



*The Top Drive & CRT Specialists*

## *POST JOB REPORT*

**Client:** Tamboran  
**Date:** 19<sup>th</sup> December 2023

*The Top Drive & CRT Specialists*

[www.drillquip.com.au](http://www.drillquip.com.au)



Job# 23-0162

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Job# 23-0162

## General (SOW)

- ☐ Supply of Volant Casing Running Tools Covering 18.625", 13.375", 9.625 and 5.5"
- ☐ Supply of Casing technicians
- ☐ Prepping of all casing and accessories, including supply of API drifts
- ☐ Supply torque vs turns equipment for all casing sizes
- ☐ Supply and maintain all handling equipment for casing
- ☐ Assist in offline connection MU/BU utilizing DQ's bucking unit



# LEARNINGS REPORT

18 5/8, 13 3/8, 9 5/8, 5 1/2"	5,745	53	18/12/23	TAMBORAN
Casing size/type	Meters ran	Total running hours	Report Date	Client

Completed by: DQ Field Techs

DQ Job Number: 23-0162

This report is to reflect an accurate and transparent unbiased account of information to better support both the Manufacturer and Client

Item #	Equipment	Feed Back
1	FMS' Slips	Slips were operational as normal. But poor alignment of mast & bop made it difficult to grab evenly at times. Resulting in the rotary table being adjusted to help slips bite. They worked ok on 13 3/8" run but poor on 9 5/8". We rigged them down and used manual slips for 5 1/2"
2	CRT tools	Every tool worked as expected with no dramas except for engagement on the 5 1/2 tool. Post job refurbishment found that the coupling protector was slipping on the bumper not allowing sufficient grip for the tool to spin.
3	Torque Sub	Connectivity was good although 3 graphs were of lower quality. This was discussed with OEM which resulted in a software update.
4	Belt Tongs	Belt tongs worked well, switching between size happened without fault and incidents.
5	Portable Bucking Unit	Worked faultlessly, saved operator time on multiple occasions with BHA and pups
6	Hand tools	No issues occurred
7	CRT transport baskets	DQ's new transport designed baskets helped equipment arrive to and from locations during transport.
8		
9		
10		

## What Worked Well

- All Rig ups worked as per DQ's SOP's and encountered no issues.
- H&P mechanics and electrician were very helpful when required.
- H&P PJSMs and their JSA system worked great.

## Challenges

- Moving pipe around and setting up for casing preparation in the beginning was challenging due to the lack of racks available.
- Mast centralisation
- Ensuring Tamboran owned casing accessories are all on site prior to casing preparation, thus preventing DQ techs having multiply trips in Daley Waters and reducing available work time on location.

## Going Forward / Changes

- Having CRTi tools for every size instead of re-dressing 13 3/8 to 9 5/8 and back again. This is due to the speed in which each hole section was drilled.
- More rack space for both casing and drill pipe
- Add Impact wrenches and Allen keys into DQ's tool list for centraliser installation.

The electronic version on the server is the **CONTROLLED** version. Copies printed from this version are considered to be **UNCONTROLLED**. Before using a printed copy, consider the environment

Approved By: B. Clark

Issued: March 09 2023

Version: 2

Page: 1 of 2

LEARNINGS REPORT



# LEARNINGS REPORT

FMS slips did not function as all previous operations due to mast misalignment. If the FMS are to be utilise in future campaigns, the mast alignment will need to be addressed as per all other operations these are used on.

## Any Remarks / Comments From Customer Representative

NOCR requested 2x2 man crews for DQ.



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## CRT FIELD JOB SHEET

Drill Quip Pty Ltd  
#1 Production Court  
Wilsonton, Qld, Australia 4351  
PH: (+61) 7 4634 3500

### Job Information

Job Number:	23-0162	Date:	20 September, 2023
Well Name:	Amungee NW-3H	Rig Contractor:	H&P
Rig Location:	Beetaloo/McArthur River Basins	Rig #:	Flex Rig 469
Oil Company Rep:	Greg Porter/Maurice Verdansk	DQ Rep:	Jace Bayliss
Rig Manager:	Joe	DQ Rep:	Shaun Turner
CRT S/N:	82306-12 3J5030-08 350 Tonne	DQ Rep:	Campbell Clark
TQ Sub S/N:	DP5	Cement Swivel Serial #	N/A
Ext Link S/N:	015-016 XL	Elevator Size & Serial#	18 5/8" SN E20035-146
Belt Tong Size & S/N's	70305-1 18 5/8"	Slips Size & Serial #	18 5/8" SN 41140
Dog Collar Size & S/N	181791 & 18170 - 18 5/8"	CRT Service Meter:	
Day Driller:	Ice Cream (Josh)	Night Driller:	Earl
CRT Test Air Pressure:	100psi	TQ Sub Battery Level:	100%
		Cross-Over(s) Used:	NC50 Pin – Delta 544 Box
		CRT Run Air Pressure:	60-80 PSI

### Pipe Information

CSG Diameter	18 5/8"	Well Section	Conductor	Min Torque (ft/lbs):	Triange	Air Temp Day:	35+ Deg
CSG Weight	87.5#	Joint Total:	7 + 1 pup			Air Temp Night	20
CSG Grade:	K55	Avg Joint m:	11.5m	Max Torque (ft/lb):	Triange	Max Turns Stroke Out	7/8
CSG Connection:	BTC	CSG TD (m):	84m	OPTIUM MU Torque (ft/lb):	Triange	Max Turns in Casing	3/4 +/-
Packer up Range:	87.5#	Total CSG Joints on site	10 Joints 3 pup Joints 1 x/o TPQR - BTC	Top Drive Make/Model:	National Oilwell Varco	NOV Split Block System TDS 11	
Extendable Link Setting:		Max Hoist (Klbs):		Top Drive Weight (Klbs):	45K		
				CSG Drifted & Inspected	YES		
Circulating Time:	N/A	Casing Start Time/date:	2200 25/09/23	Casing End Time/date:	0400hrs 26/09/23	Casing Run Time:	7hrs
Equip Arrive Location: Rig Site	Date: 26/07/2023			Technician(s) Arrive Location:	Date: 21/09/2023	Campbell, Jace, Shaun	
Equip Depart Location:	Date:			Technician(s) Depart Location	Date:		

Any other Information:

### Job Site Checklist

*Verify all items immediately upon arrival*

Rig Checks	CRT/Tool Checks	Paperwork
Rig Client Induction Completed <input checked="" type="checkbox"/>	Verify Air Pressure <input checked="" type="checkbox"/>	Safe Operating Procedure/JSA <input checked="" type="checkbox"/>
Verify Pipe Size & Weight <input checked="" type="checkbox"/>	Check all Visible Cap Screw Torque <input checked="" type="checkbox"/>	Task Risk Assessment <input type="checkbox"/>
Verify Pipe Connection <input checked="" type="checkbox"/>	Verify Die Set Diameter & Weight <input checked="" type="checkbox"/>	Review Pipe Tally <input checked="" type="checkbox"/>
Test Safety Nubbin <input checked="" type="checkbox"/>	Visually Inspect Dies <input checked="" type="checkbox"/>	VMS – Cleared <input type="checkbox"/>
Verify Correct Crossover <input checked="" type="checkbox"/>	Verify Packer Cup Diameter & Weight <input checked="" type="checkbox"/>	TQ Sub Job Loaded <input checked="" type="checkbox"/>
Verify Accessories & Confirm Weight <input checked="" type="checkbox"/>	TQ Sub pairing & Operation <input checked="" type="checkbox"/>	Client Work Instruction <input checked="" type="checkbox"/>
Verify Casing Count on Location <input checked="" type="checkbox"/>		Drop Object Checklist <input type="checkbox"/>



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Date	Event	Comments
20/09/2023	Techs to Darwin	Shaun, Campbell & Jace to Darwin Mercure hotel
21/09/2023	Travel to location	0700am charter flight – Hardys aviation to Daly waters. Bus from Daly Waters to Amungee NW-3H.
	Review Casing Reports	Review & amend Shenandoah's casing reports for Tamboran
	Move equipment & set up	
22/09/2023	Set Up bucking unit	
	18 5/8" tool prep	Breakout Wits sub from 5 1/2" tool and make up to 18 5/8" + Delta X/O – set 5 1/2" tool in service stand.
	FMS prep	Remove 5 1/2" Slips, clean up housing and install 13 3/8" slips. Re-Grease ports. Set-up HPU
23/09/2023	Casing prep	remove running gear from baskets & set on pallets. Set-up dog collar & test fit. Remove protectors and start drifting casing
24/09/2023	Casing prep	Move casing to pipe racks, finish drifting, strap and number for OCR
	Slips	Get power to HPU and test Slip operation
25/09/2023	Rig Up & RIH	Rig up for casing approx. 2000hrs, start RIH & 2200hrs
26/09/2023	Rig down	Rig down CRT & equipment.
	Casing prep	Start preparation for 13 3/8" casing pipe



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### Job Information

Job Number:	23-0162	Date:	26 September, 2023
Well Name:	Amungee NW-3H	Rig Contractor:	H&P
Rig Location:	Beetaloo/McArthur River Basins	Rig #:	Flex Rig 469
Oil Company Rep:	Greg Porter	DQ Rep:	Jace Bayliss
Rig Manager:	Joe	DQ Rep:	Shaun Turner
CRT S/N:	82306-12 3J5050-09 350 Tonne	DQ Rep:	Campbell Clark
TQ Sub S/N:	DP5	Cement Swivel Serial #	N/A
Ext Link S/N:	015-016 XL	Elevator Size & Serial#	9797 - 13 3/8"
Belt Tong Size & S/N's	70305 -1 13 3/8"	Slips Size & Serial #	754000-N 121013 - 13 3/8"
Dog Collar Size & S/N	15557 - 13 3/8"	CRT Service Meter:	
Day Driller:	Ice Cream (Josh)	Night Driller:	Earl
CRT Test Air Pressure:	100psi	TQ Sub Battery Level:	100%
		Cross-Over(s) Used:	NC50 Pin - Delta 544 Box
		CRT Run Air Pressure:	55 PSI

### Pipe Information

CSG Diameter	13 3/8"	Well Section	Intermediate 1	Min Torque (ft/lbs):	19,800f t/lb	Air Temp Day:	24-33 Deg
CSG Weight	68#	Joint Total:	26 + 2 pup joints			Air Temp Night	18
CSG Grade:	L80	Avg Joint m:	11.5m	Max Torque (ft/lb):	24,200f t/lb	Max Turns Stroke Out	1 1/8
CSG Connection:	TP-BMS + BTC	CSG TD (m):	285m	OPTIUM MU Torque (ft/lb):	22,000 + $\Delta$	Max Turns in Casing	
Packer up Range:	68#	Total CSG Joints on site		Top Drive Make/Model:	National Oilwell Varco	NOV Split Block System TDS 11	
Extendable Link Setting:		Max Hoist (Klbs):		Top Drive Weight (Klbs):	45K		
				CSG Drifted & Inspected	Yes		
Circulating Time:	N/A	Casing Start Time/date:	1900 27/09/2023	Casing End Time/date:	0000 28/09/2023	Casing Run Time:	5hrs
Equip Arrive Location: Rig Site	Date: 26/07/2023			Technician(s) Arrive Location:		Date:	Campbell, Jace, Shaun
Equip Depart Location:	Date:			Technician(s) Depart Location		Date:	

Any other Information:

### Job Site Checklist

Verify all items immediately upon arrival

Rig Checks	CRT/Tool Checks	Paperwork
Rig Client Induction Completed <input checked="" type="checkbox"/>	Verify Air Pressure <input checked="" type="checkbox"/>	Safe Operating Procedure/JSA <input checked="" type="checkbox"/>
Verify Pipe Size & Weight <input checked="" type="checkbox"/>	Check all Visible Cap Screw Torque <input checked="" type="checkbox"/>	Task Risk Assessment <input type="checkbox"/>
Verify Pipe Connection <input checked="" type="checkbox"/>	Verify Die Set Diameter & Weight <input checked="" type="checkbox"/>	Review Pipe Tally <input checked="" type="checkbox"/>
Test Safety Nubbin <input checked="" type="checkbox"/>	Visually Inspect Dies <input checked="" type="checkbox"/>	VMS - Cleared <input type="checkbox"/>
Verify Correct Crossover <input checked="" type="checkbox"/>	Verify Packer Cup Diameter & Weight <input checked="" type="checkbox"/>	TQ Sub Job Loaded <input checked="" type="checkbox"/>
Verify Accessories & Confirm Weight <input checked="" type="checkbox"/>	TQ Sub pairing & Operation <input checked="" type="checkbox"/>	Client Work Instruction <input checked="" type="checkbox"/>
Verify Casing Count on Location <input checked="" type="checkbox"/>		Drop Object Checklist <input type="checkbox"/>





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Date	Event	Comments
26/09/2023	Complete Run	Finish run & 0300hrs
	Rest > Rig down	
	Casing prep	Move 13 3/8" to casing racks, remove protectors, clean & drift install centralisers.
	Bucking unit	Remove WITS off 18 5/8" tool & make up to 13 3/8"
27/09/2023	Daly waters	Drive to Tamboran yard to collect correct centralisers
	Casing prep	Remove and replace casing with correct centralisers.
	Rig up	Rig up & RIH casing @ 1900hrs – complete & midnight
28/09/2023	Rig down	Rig down @ 1200hrs



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### Job Information

Job Number:	23-0162	Date:	28 September, 2023
Well Name:	Amungee NW-3H	Rig Contractor:	H&P
Rig Location:	Beetaloo/McArthur River Basins	Rig #:	Flex Rig 469
Oil Company Rep:	Greg Porter	DQ Rep:	Jace Bayliss
Rig Manager:	Joe	DQ Rep:	Shaun Turner
CRT S/N:	82306-12 3J5050-09	DQ Rep:	Campbell Clark
TQ Sub S/N:	DP5	Cement Swivel Serial #	N/A
Ext Link S/N:	015-016 XL	Elevator Size & Serial#	11169 - 9 5/8"
Belt Tong Size & S/N's	70305-1 9 5/8"	Slips Size & Serial #	754000-N 121013 - 9 5/8"
Dog Collar Size & S/N	15557 - 9 5/8"	CRT Service Meter:	
Day Driller: Earl	Night Driller: Josh	TQ Sub Battery Level:	100%
CRT Test Air Pressure:	100psi	Cross-Over(s) Used:	NC50 Pin – Delta 544 Box
		CRT Run Air Pressure:	50 PSI

### Pipe Information

CSG Diameter	9 5/8"	Well Section	Intermediate	Min Torque (ft/lbs):	23,220f t/lb	Air Temp Day:	24-36Deg
CSG Weight	47#	Joint Total:	52			Air Temp Night	18
CSG Grade:	P110	Avg Joint m:	11.5m	Max Torque (ft/lb):	28,380f t/lb	Max Turns Stroke Out	1 1/8
CSG Connection:	JFE BEAR	CSG TD (m):	608m	OPTIUM MU Torque (ft/lb):	25,800f t/lb	Max Turns in Casing	
Packer up Range:	47#	Total CSG Joints on site	60 Naked 3 Pup Joints	Top Drive Make/Model:	TDS11SA(HP)	NOV Split Block System TDS 11	
Extendable Link Setting:		Max Hoist (Klbs):		Top Drive Weight (Klbs):	45K		
				CSG Drifted & Inspected	Yes		
Circulating Time:	N/A	Casing Start Time/date:	1800hrs 30/09/2023	Casing End Time/date:	0000hrs 1/10/2023	Casing Run Time:	6hrs
Equip Arrive Location: Rig Site	Date: 26/07/2023			Technician(s) Arrive Location:		Date:	Campbell, Jace, Shaun
Equip Depart Location:	Date:			Technician(s) Depart Location		Date:	

Any other Information:

### Job Site Checklist

*Verify all items immediately upon arrival*

Rig Checks	CRT/Tool Checks	Paperwork
Rig Client Induction Completed <input checked="" type="checkbox"/>	Verify Air Pressure <input checked="" type="checkbox"/>	Safe Operating Procedure/JSA <input checked="" type="checkbox"/>
Verify Pipe Size & Weight <input checked="" type="checkbox"/>	Check all Visible Cap Screw Torque <input checked="" type="checkbox"/>	Task Risk Assessment <input type="checkbox"/>
Verify Pipe Connection <input checked="" type="checkbox"/>	Verify Die Set Diameter & Weight <input checked="" type="checkbox"/>	Review Pipe Tally <input checked="" type="checkbox"/>
Test Safety Nubbin <input checked="" type="checkbox"/>	Visually Inspect Dies <input checked="" type="checkbox"/>	VMS – Cleared <input type="checkbox"/>
Verify Correct Crossover <input checked="" type="checkbox"/>	Verify Packer Cup Diameter & Weight <input checked="" type="checkbox"/>	TQ Sub Job Loaded <input checked="" type="checkbox"/>
Verify Accessories & Confirm Weight <input checked="" type="checkbox"/>	TQ Sub pairing & Operation <input checked="" type="checkbox"/>	Client Work Instruction <input checked="" type="checkbox"/>
Verify Casing Count on Location <input checked="" type="checkbox"/>		Drop Object Checklist <input type="checkbox"/>



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Date	Event	Comments
28/09/2023	Rig Down	Rig down @ 1200hrs
	Clean & Swap tools	Remove Wits sub from 13 3/8" tool & Set in service stand. Pressure wash FMS' and redress to 9 5/8", re grease ports. Assemble 9 5/8" dog collar & test fit. Move next running gear onto pallets.
	Redress CRT	Redress 13 3/8" tool to 9 5/8
	Move drill pipe & casing	Move drill pipe around to access 9 5/8" casing in bunkers. Pack away 18 5/8" + 13 3/8" casing
29/09/2023	Casing prep	Lay 9 5/8" casing on racks, remove protectors, drift & strap
	SS1 & Daly Waters	Drop Cactus to Shenandoah and pick up 9 5/8" stop collars from Tamboran yard.
	Casing prep	Number & install centralisers. Pre buck Shoe & Float on to joint 1 & 3
30/09/2023	Housekeeping	Clean up work area, pressure wash & pack away equipment not needed.
	RIH casing	Rig up & RIH casing @ 1800hrs, complete at midnight
	CRT Service	CAT 2B Service on 5.5" crt tool
1/09/2023	Tool prep	Break Wits sub off 9 5/8" tool and make to 5.5" tool. Clean up tools & work area. Move bucking unit HPU into container.
	R&R	Techs to Daly Waters Highway Inn



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## CRT FIELD JOB SHEET

Drill Quip Pty Ltd  
#1 Production Court  
Wilsonton, Qld, Australia 4351  
PH: (+61) 7 4634 3500

### Job Information

Job Number:	23-0162	Date:	5 October, 2023
Well Name:	Amungee NW-3H	Rig Contractor:	H&P
Rig Location:	Beetaloo/McArthur River Basins	Rig #:	Flex Rig 469
Oil Company Rep:	Maurice Verkerk/Greg Porter	DQ Rep:	Jace Bayliss
Rig Manager:	Joe	DQ Rep:	Shaun Turner
CRT S/N:	82305-01 4558A20-01	DQ Rep:	Campbell Clark
TQ Sub S/N:	DP5	Cement Swivel Serial #	N/A
Ext Link S/N:		Elevator Size & Serial#	
Belt Tong Size & S/N's	N/A	Slips Size & Serial #	754000-N 121013 – 5 ½"
Dog Collar Size & S/N	15557 – 5 ½"	CRT Service Meter:	
Day Driller:	Coleman	Night Driller:	Diego
CRT Test Air Pressure:	100psi	TQ Sub Battery Level:	100%
		Cross-Over(s) Used:	NC50 Pin – Delta 544 Box
		CRT Run Air Pressure:	50 PSI

### Pipe Information

CSG Diameter	5 1/2"	Well Section	Production	Min Torque (ft/lbs):	12,970f t/lb	Air Temp Day:	35-40Deg
CSG Weight	23#	Joint Total:	355 + 5 pups			Air Temp Night	25
CSG Grade:	Q125	Avg Joint m:	11.6m	Max Torque (ft/lb):	15,020f t/lb	Max Turns Stroke Out	1 1/8
CSG Connection:	VAX	CSG TD (m):	3,830m	OPTIUM MU Torque (ft/lb):	13,650f t/lb	Max Turns in Casing	
Packer up Range:	23#	Total CSG Joints on site	451 jnts 6 pups	Top Drive Make/Model:	TDS11SA(HP)	NOV Split Block System TDS 11	
Extendable Link Setting:		Max Hoist (Klbs):		Top Drive Weight (Klbs):	45K		
				CSG Drifted & Inspected	Yes		
Circulating Time:	N/A	Casing Start Time/date:	10:00, 14 <sup>th</sup> October 2023	Casing End Time/date:	19:00, 15 <sup>th</sup> October	Casing Run Time:	33hrs
Equip Arrive Location: Rig Site	Date: 26/07/2023			Technician(s) Arrive Location:	Date: 5/10/2023	Campbell, Shaun, Jace	
Equip Depart Location:	Date:			Technician(s) Depart Location	Date: 16/10/2023	Campbell, Shaun, Jace	

Any other Information:

### Job Site Checklist

*Verify all items immediately upon arrival*

Rig Checks	CRT/Tool Checks	Paperwork
Rig Client Induction Completed <input checked="" type="checkbox"/>	Verify Air Pressure <input checked="" type="checkbox"/>	Safe Operating Procedure/JSA <input checked="" type="checkbox"/>
Verify Pipe Size & Weight <input checked="" type="checkbox"/>	Check all Visible Cap Screw Torque <input checked="" type="checkbox"/>	Task Risk Assessment <input type="checkbox"/>
Verify Pipe Connection <input checked="" type="checkbox"/>	Verify Die Set Diameter & Weight <input checked="" type="checkbox"/>	Review Pipe Tally <input checked="" type="checkbox"/>
Test Safety Nubbin <input checked="" type="checkbox"/>	Visually Inspect Dies <input checked="" type="checkbox"/>	VMS – Cleared <input type="checkbox"/>
Verify Correct Crossover <input checked="" type="checkbox"/>	Verify Packer Cup Diameter & Weight <input checked="" type="checkbox"/>	TQ Sub Job Loaded <input checked="" type="checkbox"/>
Verify Accessories & Confirm Weight <input checked="" type="checkbox"/>	TQ Sub pairing & Operation <input checked="" type="checkbox"/>	Client Work Instruction <input checked="" type="checkbox"/>
Verify Casing Count on Location <input checked="" type="checkbox"/>		Drop Object Checklist <input type="checkbox"/>



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Date	Event	Comments
5/10/2023	Casing Prep	Arrive back on site. Unstrap & organise bundles 5 ½" casing.
6/10/2023	Casing Prep	Cont. organising casing. Strap & measure, remove protectors ready for drifting.
7/10/2023	Casing Prep	Drift casing, start pressure washing box/pin ends, number note down for OCR
8/10/2023	Prep	Unpack centralisers & stop collars, start installing. Drive to Daley Waters and collect extra centraliser.
	CRT prep	Remove 9 5/8" tool from rig up sock and sit in service stand.
9/10/2023	CRT re-dress	Re-dress 9 5/8" tool to 13 3/8", secure in skid for transport.
	Casing Prep	Finish centralisers & secure stop collars. Update tally for OCR
10/10/2023	Tool Prep	Remove 9 5/8" slips, pressure wash & secure on skid. Re-dress FMS to 5 ½" & install 5 ½" top plates. Lengthen links to suit & move link tilt brackets. Build dog collar and test fit. FMS skid to welders area for repairs.
11/10/2023	Pack-up	Tidy up junk box, strap and secure basket #1 for transport
13/10/2023	Centraliser re-arrange	Remove & replace centraliser as per updated program. Wait on delivery
14/10/2023	Run casing	Rig up & RIH casing @ approx. 10:00 & install centralisers on ground.
15/10/2023	Land Hanger	Make up hanger and Land casing @ 19:00
	Pack up	Pack up Torque sub gear, Clean up FMS slips + control panel & secure on skid. Rig down CRT
16/10/2023	Pack Up	Break Wits off 5.5in tool & make up to 18 5/8" tool for transport. Rig down Links, manual slips & pack away. Break x2 subs off of SLB cement head. Pack away bucking unit and secure.



Torque Monitoring Report For:

**Tamboran**

Well Name: **Amungee NW-3H**

Location: **Beetaloo**

Lot 1: **20113 18.625 87.5**

Site Rep: **Greg Porter**

Start Date: **9/25/2023 5:43:58 PM**

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**Job Name: 18 5/8in Conductor**

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<b>Oil Company:</b>	Tamboran	<b>Casing Company:</b>	DrillQuip
<b>Location:</b>	Beetaloo	<b>Computer Company:</b>	DrillQuip
<b>Well Name:</b>	Amungee NW-3H	<b>Computer Techs:</b>	Shaun, Campbell, Jace
<b>Site Rep:</b>	Greg Porter	<b>Rig Name:</b>	469

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**Hardware Information:**

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<b>Computer ID:</b>	6	<b>Torque Sub Name:</b>	DP5-04-22 (NC50)
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**Job Notes:**

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Lot 1: 20113 18.625 87.5

Pipe Grade:	K55	Connection Type:	TP-QR
Lot Joint Count:	10	Max RPM Setting:	30
Pipe Lot Serial#:	--	Pipe Lot Heat#:	
		Imperial Units	Metric Units
Pipe Size (ID):	Inch   mm	17	431.8
Pipe Weight:	lbs/ft   kg/M	87.5	130.21
Low Shoulder Torque:	ft.lbs   Nm	2014	2731
High Shoulder Torque:	ft.lbs   Nm	16094	21821
Min Final Torque:	ft.lbs   Nm	24540	33272
Optimum Torque:	ft.lbs   Nm	27270	36973
Max Final Torque:	ft.lbs   Nm	30000	40675
Lot Casing Ran:	ft   M	275.97441828	84.117



## Joint List

Status	Joint#	Name	Length	Torque	Delta-Torq	Notes	Time
	1	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	9.816	26820	0	Float Shoe & PUP XO	Sep/25/2023 20:02:23
	2	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	38.130	26810	15730	Joint 1	Sep/25/2023 20:23:58
	3	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	9.882	26700	6850	PUP XO	Sep/25/2023 20:52:07
	4	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	13.071	26390	12250	Float Collar & PUP XO	Sep/25/2023 21:29:41
	5	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	37.638	26570	17450	Joint 2	Sep/25/2023 21:50:19
	6	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	36.391	27460	22040	Joint 3	Sep/25/2023 22:01:18
	7	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	37.047	27360	6350	Joint 4	Sep/25/2023 22:15:44
	8	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	37.260	27420	4690	Joint 5	Sep/25/2023 22:34:35
	9	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	37.605	27510	4590	Joint 6	Sep/25/2023 22:48:58
	10	18.625 in   K55   87.5 lbsft   TP- QR   Tianjin   Casing	19.134	27470	8660	PUP XO	Sep/25/2023 23:01:37

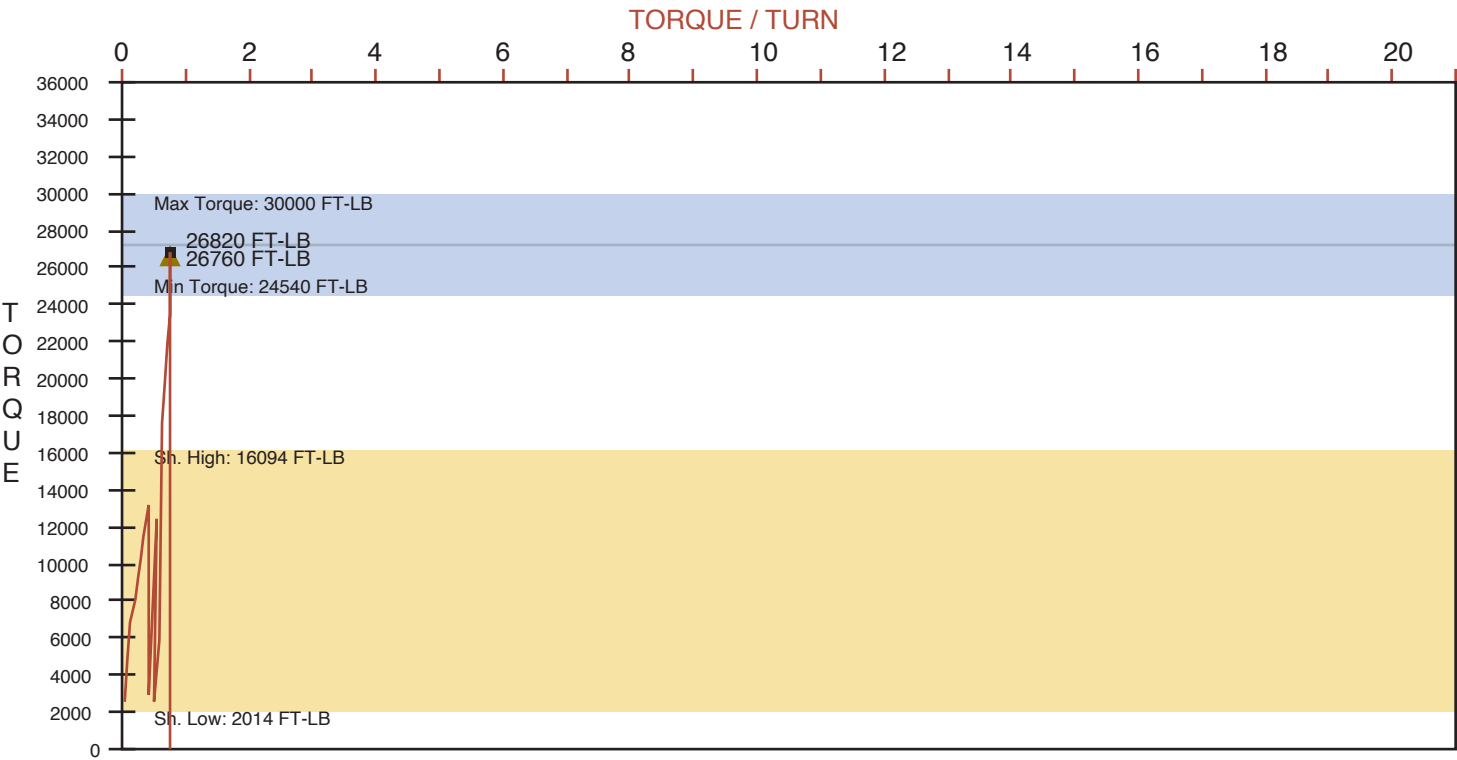
Joint #: 1

Count #: 1

Job:	18 5/8in Conductor	Serial#:	
Time:	9/25/2023 8:02:23 PM	Heat/Lot#:	
Pipe Length:	9.816 ft		
Cumulative Length:	9.816 ft		
Cumulative Weight:	858.900 lbs		
Pipe:	18.625 in   K55   87.5 lbsft   TP-QR   Tianjin   Casing		

■ Final Torque:	26820 FT-LB	▲ Shoulder Torque:	26760 FT-LB
Final Turns:	0.758	Shoulder Turns:	0.758
Max RPM:	21	Shoulder RPM:	2.43
Delta Torque:	0 FT-LB	Shoulder Slope:	0
Delta Turns:	0		

Notes: Float Shoe & PUP XO



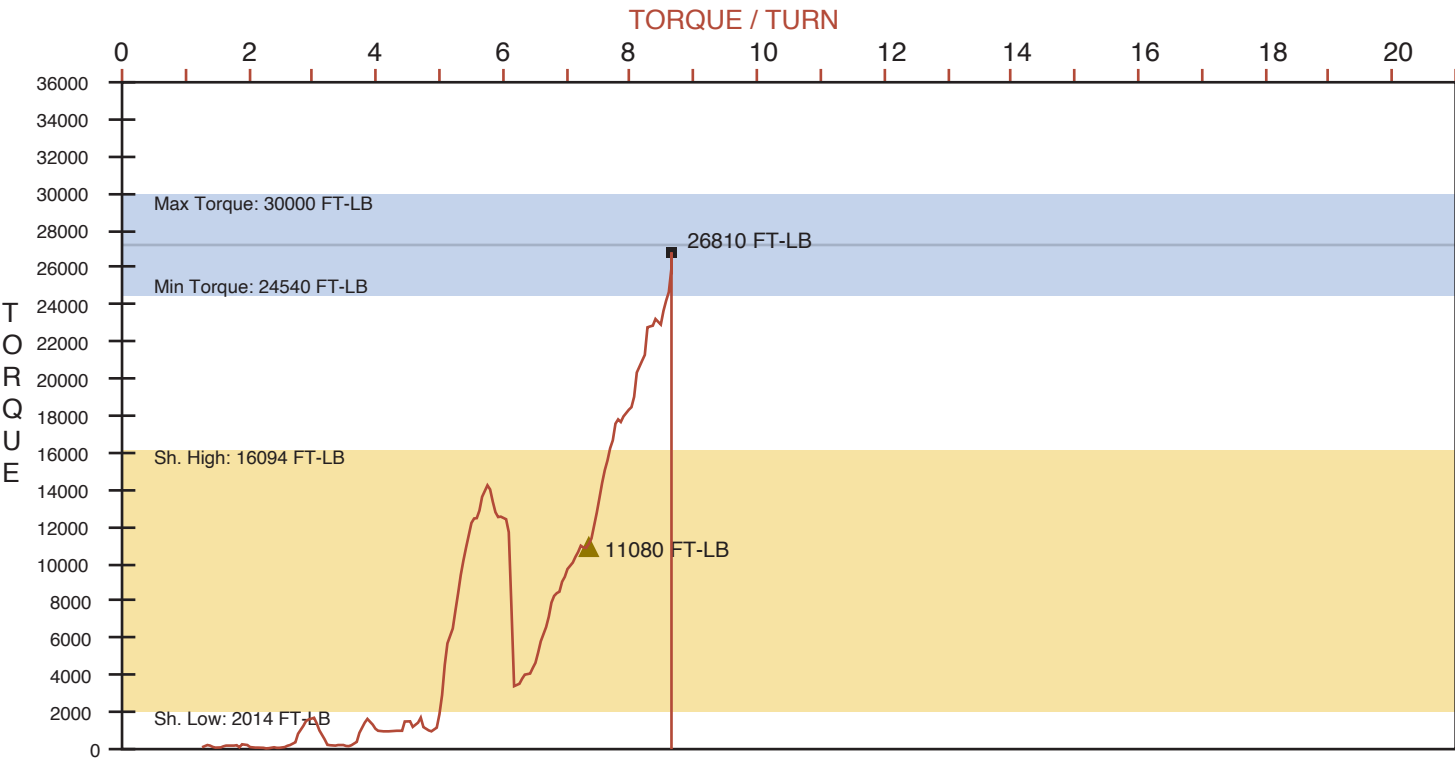
Joint #: 2

Count #: 2

Job:	18 5/8in Conductor	Serial#:	
Time:	9/25/2023 8:23:58 PM	Heat/Lot#:	
Pipe Length:	38.130 ft		
Cumulative Length:	47.946 ft		
Cumulative Weight:	4195.275 lbs		
Pipe:	18.625 in   K55   87.5 lbsft   TP-QR   Tianjin   Casing		

■ Final Torque:	26810 FT-LB	▲ Shoulder Torque:	11080 FT-LB
Final Turns:	8.648	Shoulder Turns:	7.316
Max RPM:	13.770	Shoulder RPM:	6.45
Delta Torque:	15730 FT-LB	Shoulder Slope:	0.433
Delta Turns:	1.332		

Notes: Joint 1



Joint #: 3

Count #: 3

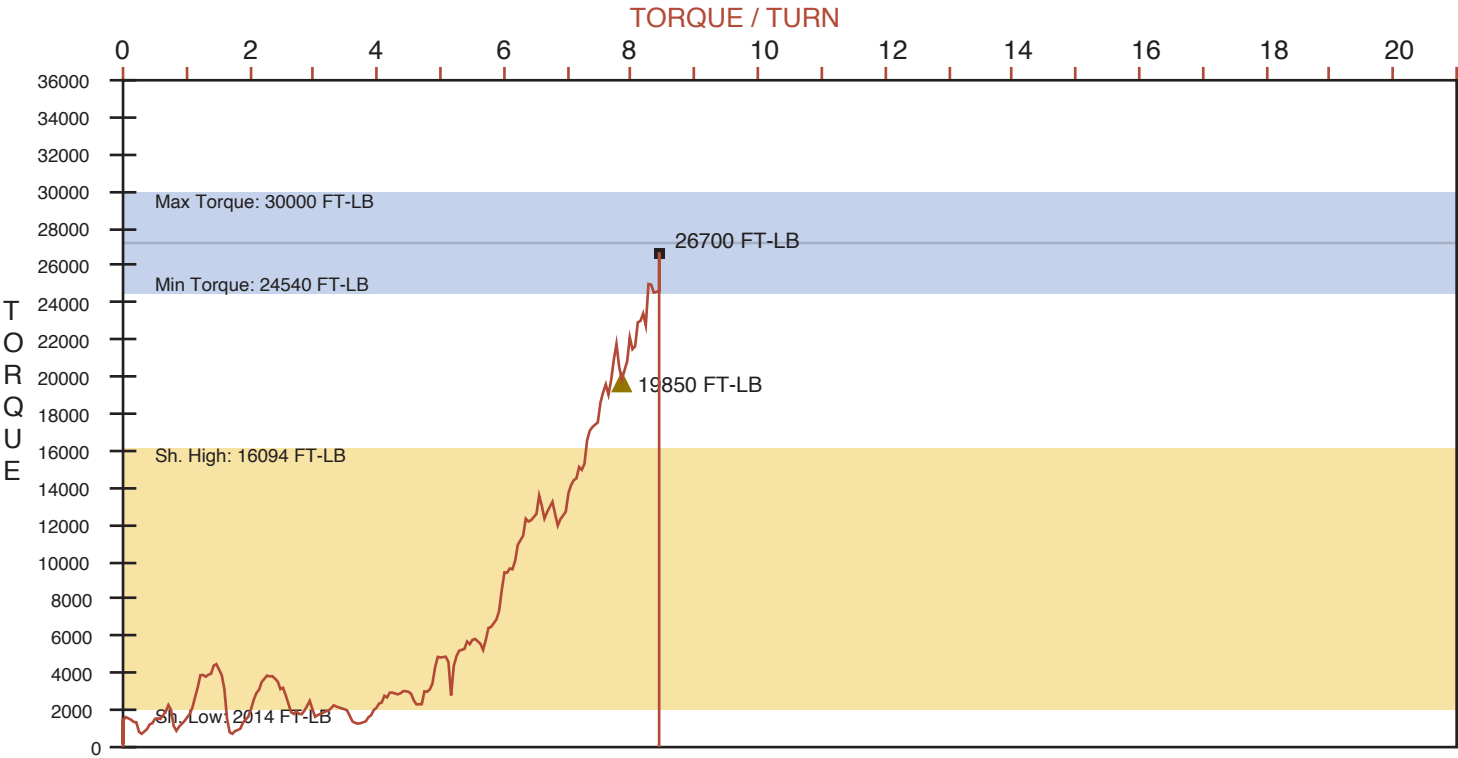
Job:	18 5/8in Conductor
Time:	9/25/2023 8:52:07 PM
Pipe Length:	9.882 ft
Cumulative Length:	57.828 ft
Cumulative Weight:	5059.950 lbs
Pipe:	18.625 in   K55   87.5 lbsft   TP-QR   Tianjin   Casing

Serial#:	
Heat/Lot#:	

■ Final Torque:	26700 FT-LB
Final Turns:	8.428
Max RPM:	7.770
Delta Torque:	6850 FT-LB
Delta Turns:	0.597

▲ Shoulder Torque:	19850 FT-LB
Shoulder Turns:	7.831
Shoulder RPM:	4.5
Shoulder Slope:	0.421

Notes: PUP XO

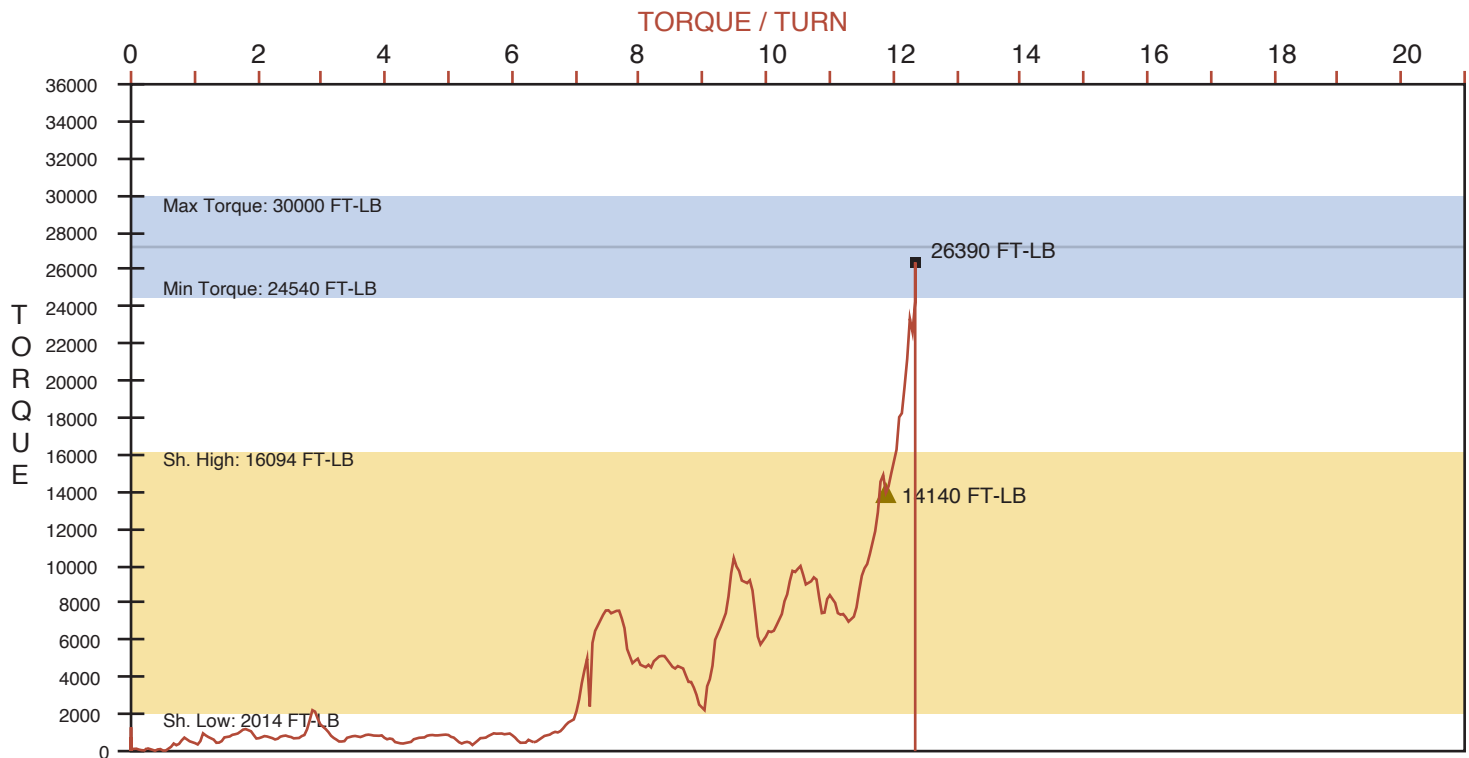


**Joint #: 4****Count #: 4**Job: **18 5/8in Conductor**

Serial#:

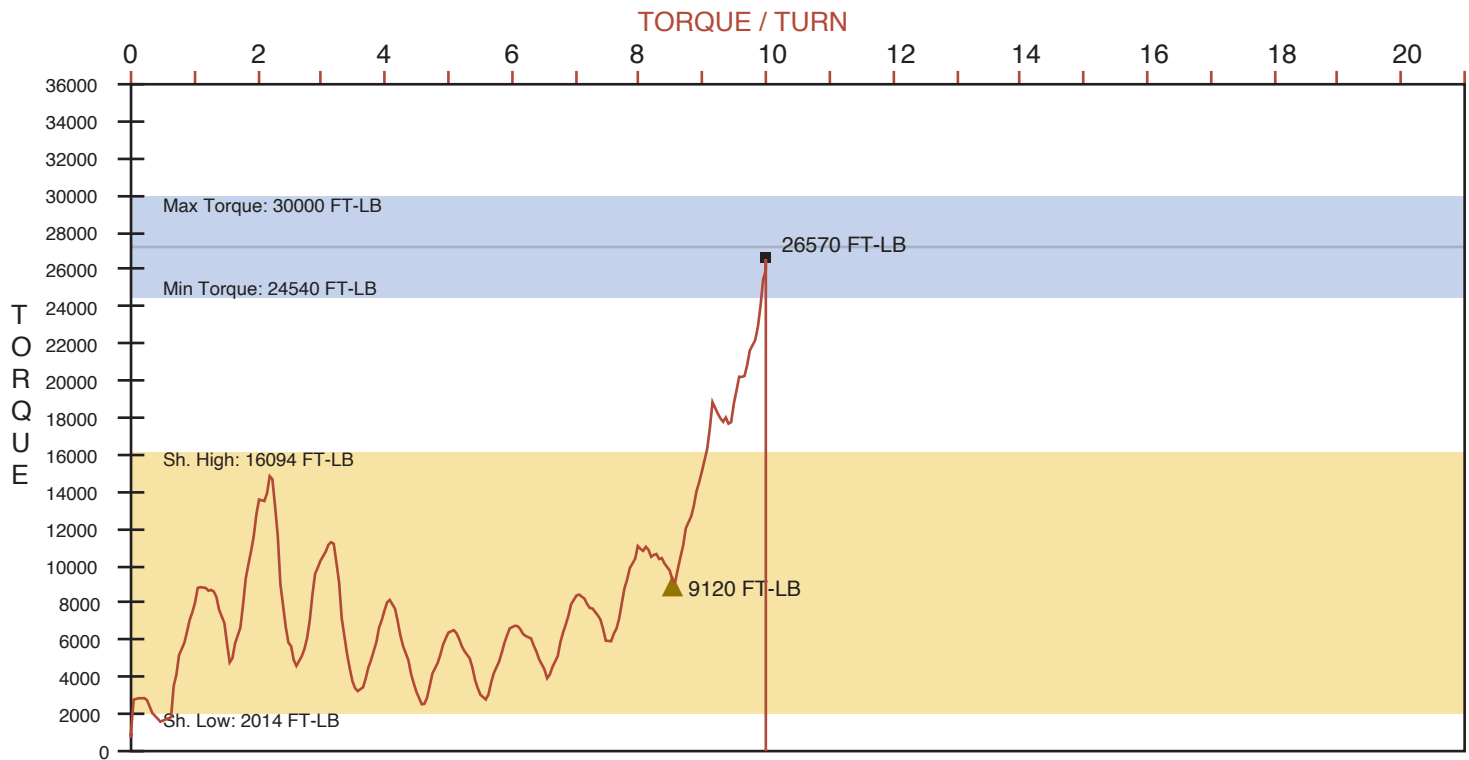
Time: **9/25/2023 9:29:41 PM**

Heat/Lot#:

Pipe Length: **13.071 ft**Cumulative Length: **70.899 ft**Cumulative Weight: **6203.662 lbs**Pipe: **18.625 in | K55 | 87.5 lbsft | TP-QR | Tianjin | Casing**■ Final Torque: **26390 FT-LB**▲ Shoulder Torque: **14140 FT-LB**Final Turns: **12.368**Shoulder Turns: **11.886**Max RPM: **12.270**Shoulder RPM: **5.79**Delta Torque: **12250 FT-LB**Shoulder Slope: **0.932**Delta Turns: **0.482****Notes: Float Collar & PUP XO**

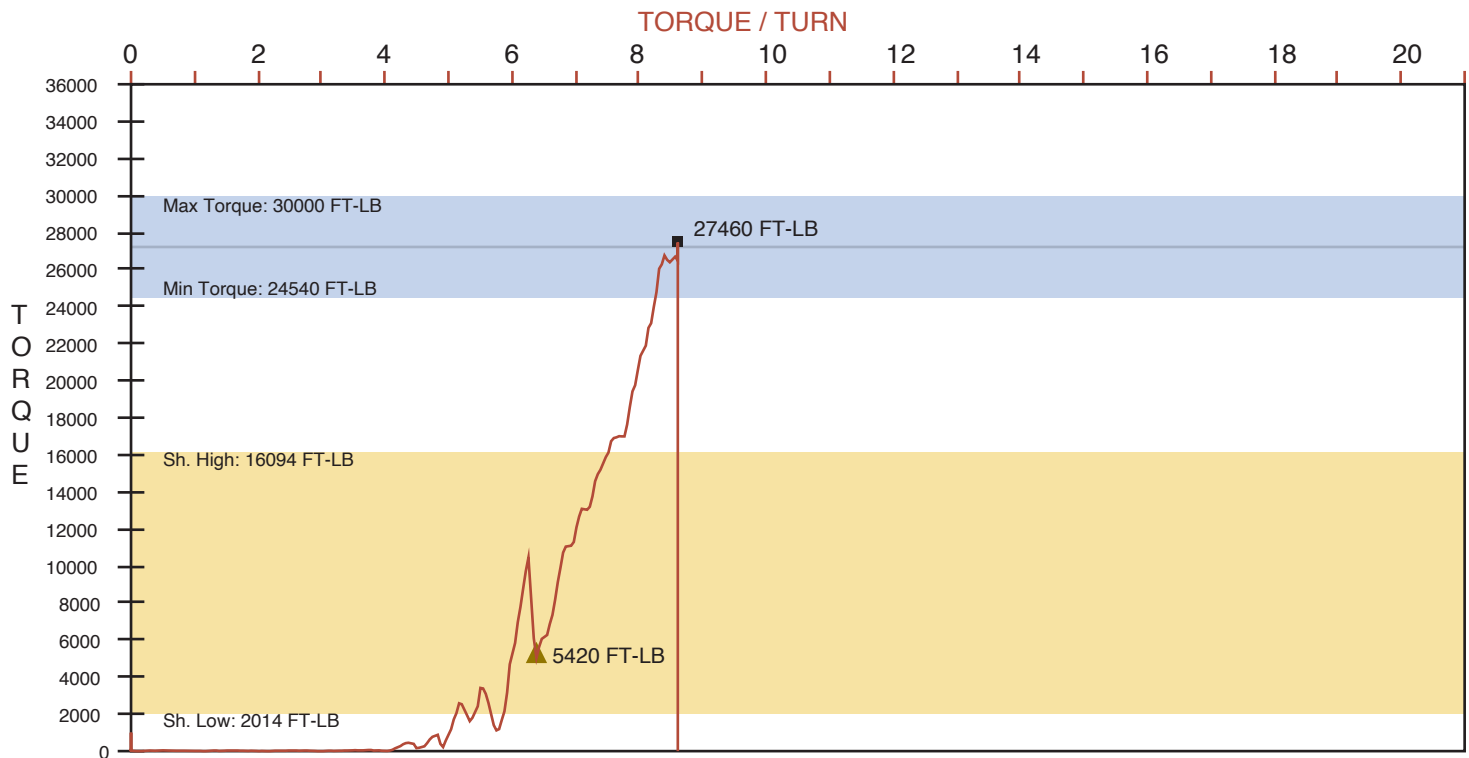
**Joint #: 5****Count #: 5**

Job:	18 5/8in Conductor	Serial#:	
Time:	9/25/2023 9:50:19 PM	Heat/Lot#:	
Pipe Length:	37.638 ft		
Cumulative Length:	108.537 ft		
Cumulative Weight:	9496.987 lbs		
Pipe:	18.625 in   K55   87.5 lbsft   TP-QR   Tianjin   Casing		

■ Final Torque: **26570 FT-LB**▲ Shoulder Torque: **9120 FT-LB**Final Turns: **9.996**Shoulder Turns: **8.488**Max RPM: **10.800**Shoulder RPM: **6.93**Delta Torque: **17450 FT-LB**Shoulder Slope: **0.424**Delta Turns: **1.508****Notes: Joint 2**

**Joint #: 6****Count #: 6**

Job:	18 5/8in Conductor	Serial#:	
Time:	9/25/2023 10:01:18 PM	Heat/Lot#:	
Pipe Length:	36.391 ft		
Cumulative Length:	144.928 ft		
Cumulative Weight:	12681.199 lbs		
Pipe:	18.625 in   K55   87.5 lbsft   TP-QR   Tianjin   Casing		

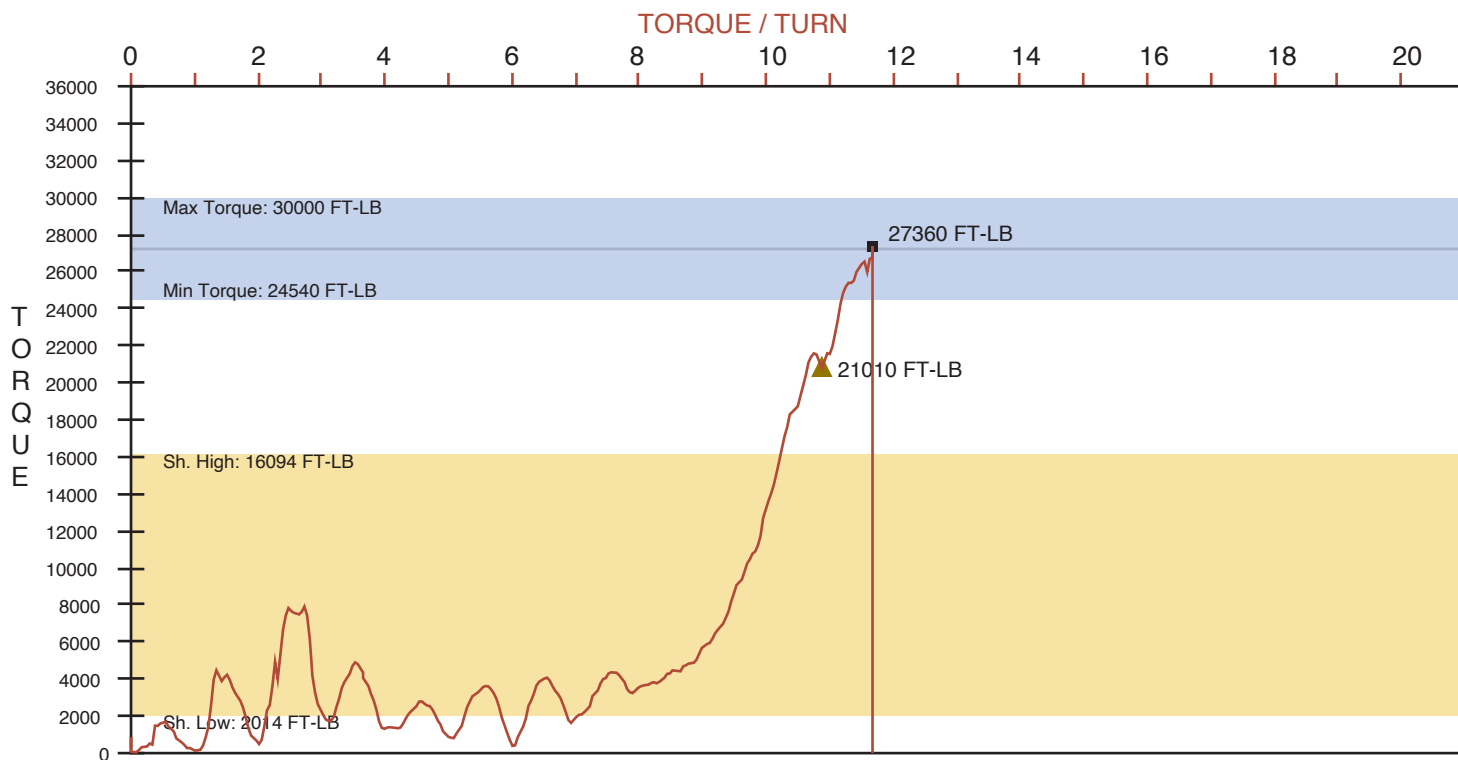
■ Final Torque: **27460 FT-LB**▲ Shoulder Torque: **5420 FT-LB**Final Turns: **8.602**Shoulder Turns: **6.382**Max RPM: **11.850**Shoulder RPM: **7.92**Delta Torque: **22040 FT-LB**Shoulder Slope: **0.364**Delta Turns: **2.220****Notes: Joint 3**

**Joint #: 7****Count #: 7**Job: **18 5/8in Conductor**

Serial#:

Time: **9/25/2023 10:15:44 PM**

Heat/Lot#:

Pipe Length: **37.047 ft**Cumulative Length: **181.975 ft**Cumulative Weight: **15922.811 lbs**Pipe: **18.625 in | K55 | 87.5 lbsft | TP-QR | Tianjin | Casing**■ Final Torque: **27360 FT-LB**▲ Shoulder Torque: **21010 FT-LB**Final Turns: **11.673**Shoulder Turns: **10.858**Max RPM: **10.620**Shoulder RPM: **4.53**Delta Torque: **6350 FT-LB**Shoulder Slope: **0.286**Delta Turns: **0.815****Notes: Joint 4**

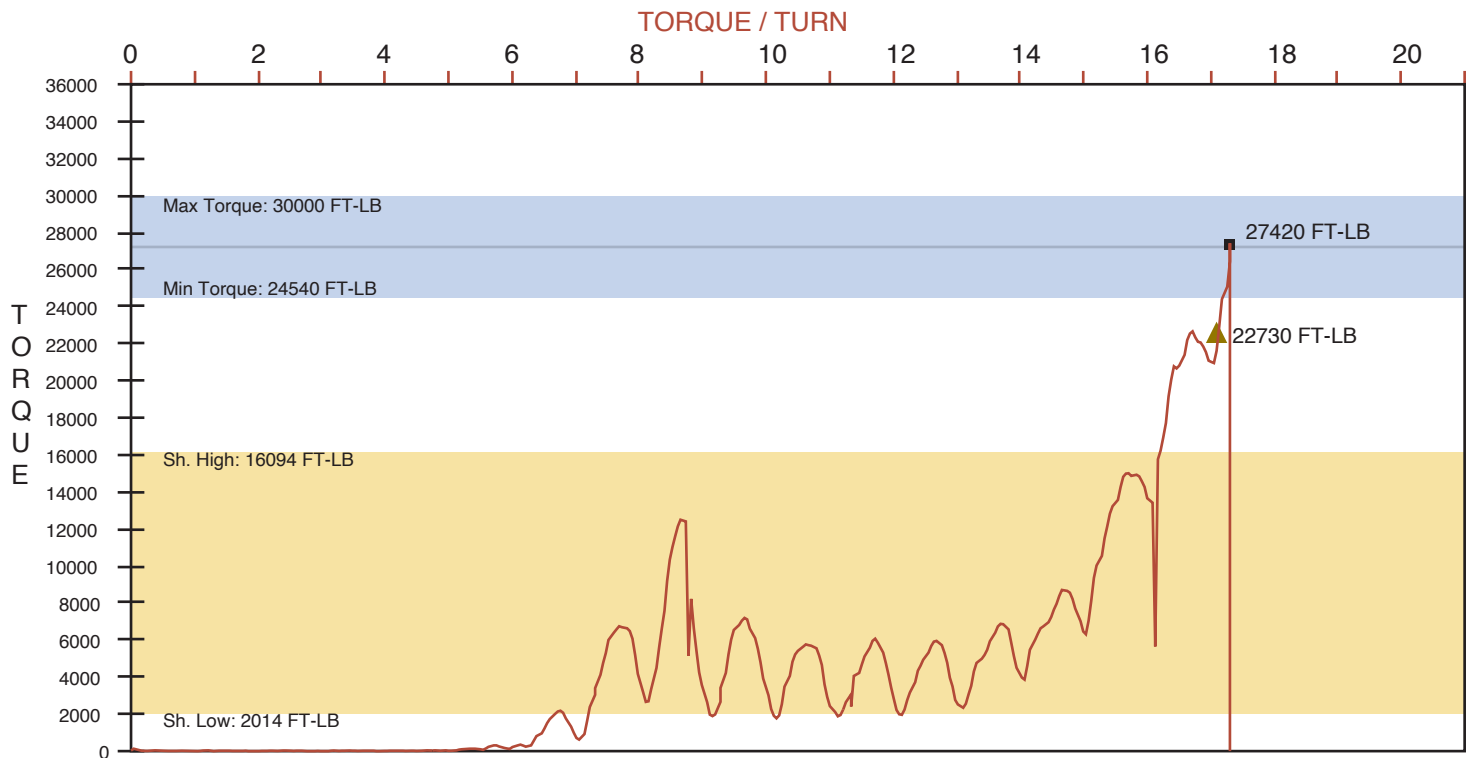


**Joint #: 8****Count #: 8**Job: **18 5/8in Conductor**

Serial#:

Time: **9/25/2023 10:34:35 PM**

Heat/Lot#:

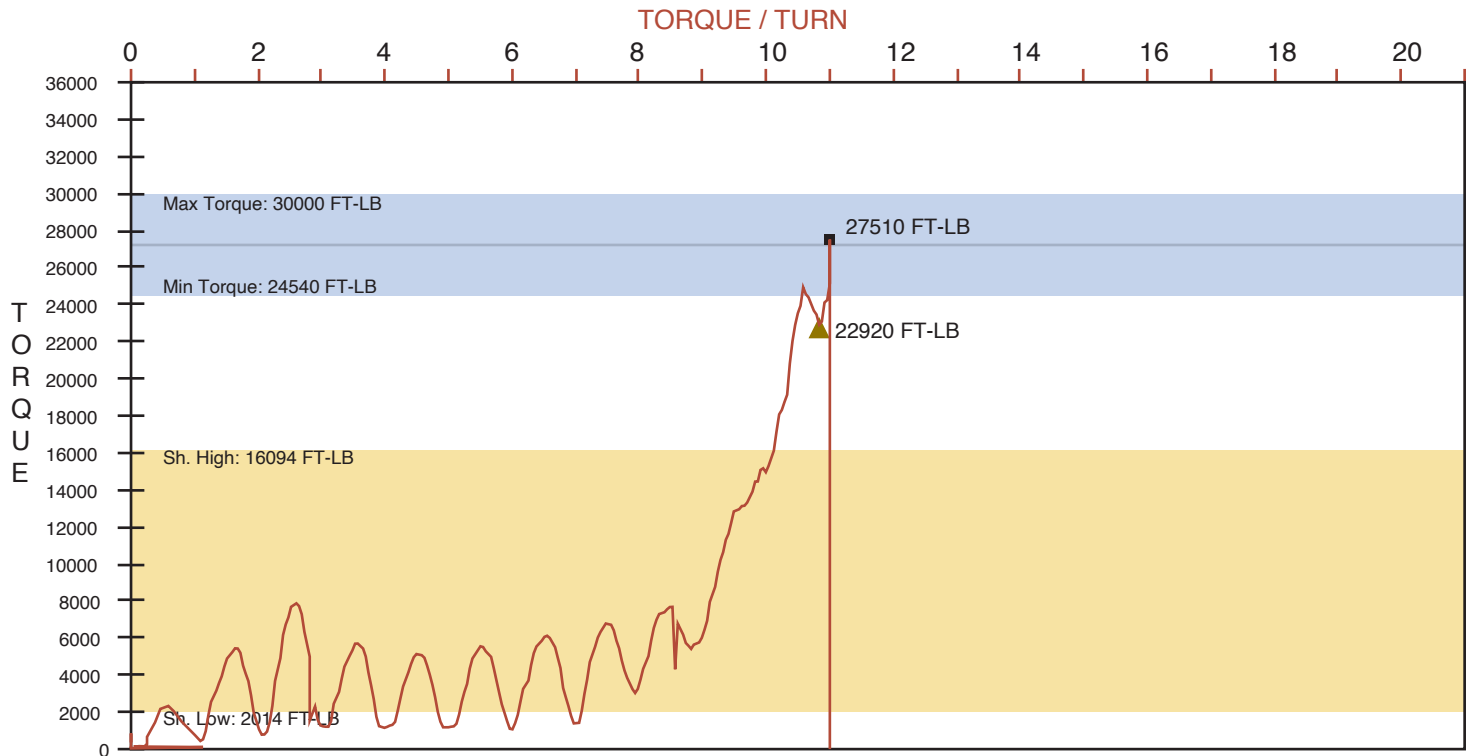
Pipe Length: **37.260 ft**Cumulative Length: **219.235 ft**Cumulative Weight: **19183.061 lbs**Pipe: **18.625 in | K55 | 87.5 lbsft | TP-QR | Tianjin | Casing**■ Final Torque: **27420 FT-LB**▲ Shoulder Torque: **22730 FT-LB**Final Turns: **17.296**Shoulder Turns: **17.108**Max RPM: **11.010**Shoulder RPM: **4.26**Delta Torque: **4690 FT-LB**Shoulder Slope: **0.910**Delta Turns: **0.189****Notes: Joint 5**

**Joint #: 9****Count #: 9**Job: **18 5/8in Conductor**

Serial#:

Time: **9/25/2023 10:48:58 PM**

Heat/Lot#:

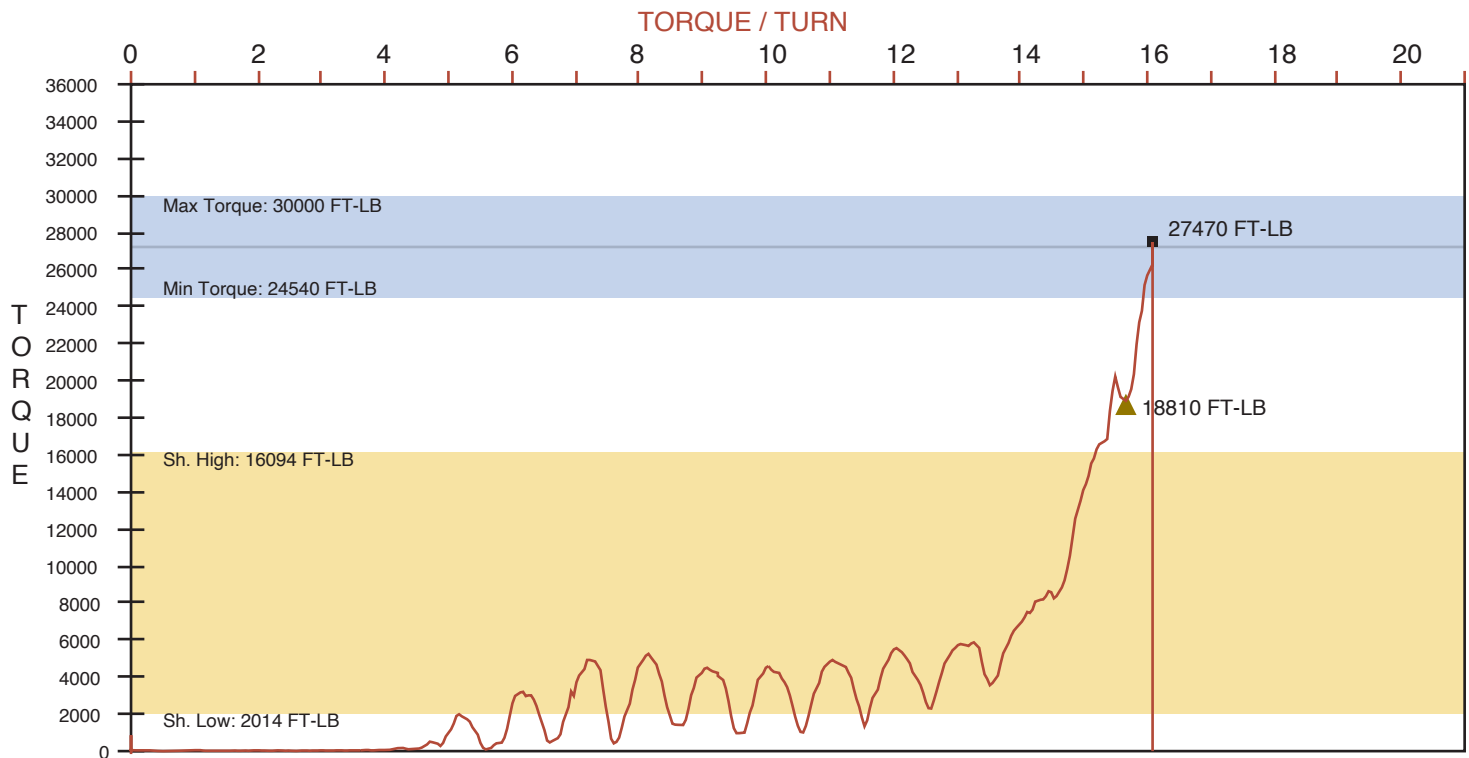
Pipe Length: **37.605 ft**Cumulative Length: **256.840 ft**Cumulative Weight: **22473.498 lbs**Pipe: **18.625 in | K55 | 87.5 lbsft | TP-QR | Tianjin | Casing**■ Final Torque: **27510 FT-LB**▲ Shoulder Torque: **22920 FT-LB**Final Turns: **11.014**Shoulder Turns: **10.824**Max RPM: **10.920**Shoulder RPM: **4.14**Delta Torque: **4590 FT-LB**Shoulder Slope: **0.886**Delta Turns: **0.19****Notes: Joint 6**

**Joint #: 10****Count #: 10**Job: **18 5/8in Conductor**

Serial#:

Time: **9/25/2023 11:01:37 PM**

Heat/Lot#:

Pipe Length: **19.134 ft**Cumulative Length: **275.974 ft**Cumulative Weight: **24147.723 lbs**Pipe: **18.625 in | K55 | 87.5 lbsft | TP-QR | Tianjin | Casing**■ Final Torque: **27470 FT-LB**▲ Shoulder Torque: **18810 FT-LB**Final Turns: **16.070**Shoulder Turns: **15.63**Max RPM: **11.820**Shoulder RPM: **4.95**Delta Torque: **8660 FT-LB**Shoulder Slope: **0.723**Delta Turns: **0.440**Notes: **PUP XO**



Torque Monitoring Report For:

**Tamboran**

Well Name: **Amungee NW-3H**

Location: **Beetaloo**

Lot 1: **12000 13.375 68**

Lot 2: **22000 13.375 68**

Site Rep: **Maurice Verkirk**

Start Date: **9/27/2023 8:39:56 PM**

**Job Name: 13 3/8 BTC SURFACE**

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<b>Oil Company:</b>	Tamboran	<b>Casing Company:</b>	DrillQuip
<b>Location:</b>	Beetaloo	<b>Computer Company:</b>	DrillQuip
<b>Well Name:</b>	Amungee NW-3H	<b>Computer Techs:</b>	Shaun,Campbell,Jace
<b>Site Rep:</b>	Maurice Verkirk	<b>Rig Name:</b>	469

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**Hardware Information:**

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<b>Computer ID:</b>	6	<b>Torque Sub Name:</b>	DP5-04-22 (NC50)
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**Job Notes:**

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## Lot 1: 12000 13.375 68

<b>Pipe Grade:</b>	L80	<b>Connection Type:</b>	BTC
<b>Lot Joint Count:</b>	21	<b>Max RPM Setting:</b>	20
<b>Pipe Lot Serial#:</b>	--	<b>Pipe Lot Heat#:</b>	

			Imperial Units	Metric Units
<b>Pipe Size (ID):</b>	Inch	mm	0	0
<b>Pipe Weight:</b>	lbs/ft	kg/M	68	101.20
<b>Low Shoulder Torque:</b>	ft.lbs	Nm	0	0
<b>High Shoulder Torque:</b>	ft.lbs	Nm	0	0
<b>Min Final Torque:</b>	ft.lbs	Nm	10000	13558
<b>Optimum Torque:</b>	ft.lbs	Nm	12000	16270
<b>Max Final Torque:</b>	ft.lbs	Nm	15000	20337
<b>Lot Casing Ran:</b>	ft	M	630.23952148	192.097

## Lot 2: 22000 13.375 68

<b>Pipe Grade:</b>	L80	<b>Connection Type:</b>	TP-BM(S)
<b>Lot Joint Count:</b>	6	<b>Max RPM Setting:</b>	20
<b>Pipe Lot Serial#:</b>	--	<b>Pipe Lot Heat#:</b>	

			Imperial Units	Metric Units
<b>Pipe Size (ID):</b>	Inch	mm	12	304.8
<b>Pipe Weight:</b>	lbs/ft	kg/M	68	101.20
<b>Low Shoulder Torque:</b>	ft.lbs	Nm	2200	2983
<b>High Shoulder Torque:</b>	ft.lbs	Nm	17600	23862
<b>Min Final Torque:</b>	ft.lbs	Nm	19800	26845
<b>Optimum Torque:</b>	ft.lbs	Nm	22000	29828
<b>Max Final Torque:</b>	ft.lbs	Nm	24200	32811
<b>Lot Casing Ran:</b>	ft	M	257.19817096	78.394

## Joint List

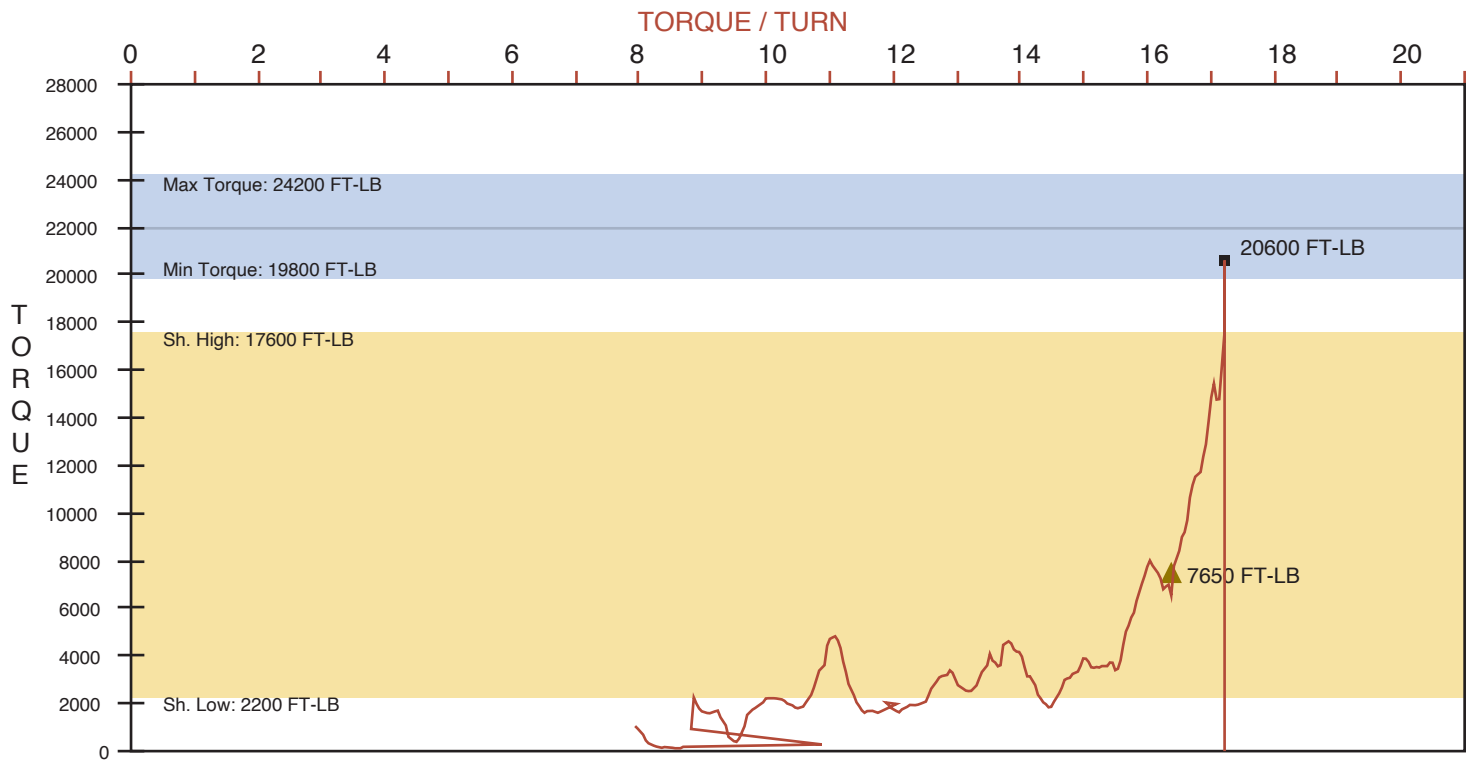
Status	Joint#	Name	Length	Torque	Delta-Torq	Notes	Time
	1	13.375 in   L80   68 lbsft   TP-BM(S)   TPCO   Casing	68.205	20600	12950	Shoe Joint & Joint 2	Sep/27/2023 23:40:58
	2	13.375 in   L80   68 lbsft   TP-BM(S)   TPCO   Casing	39.826	20630	14630	float joint - thread locked	Sep/27/2023 23:54:20
	3	13.375 in   L80   68 lbsft   TP-BM(S)   TPCO   Casing	36.775	11860	- - -	joint 4 - btc connection - torque values change to suit triangle	Sep/28/2023 00:06:58
	4	13.375 in   L80   68 lbsft   TP-BM(S)   TPCO   Casing	37.333	22680	18450	joint 5 - tp-bms box - btc pin torque values changed to tp-bms parameters	Sep/28/2023 00:17:51
	5	13.375 in   L80   68 lbsft   TP-BM(S)   TPCO   Casing	37.858	12190	- - -	joint 6 - btc connection - triangle ok	Sep/28/2023 00:26:15
	6	13.375 in   L80   68 lbsft   BTC   BTC   Casing	37.201	11210	- - -	joint 7 - Triangle ok	Sep/28/2023 00:36:46
	7	13.375 in   L80   68 lbsft   TP-BM(S)   TPCO   Casing	37.201	11220	- - -	joint 8	Sep/28/2023 00:46:38
	8	13.375 in   L80   68 lbsft   BTC   BTC   Casing	37.858	12650	- - -	joint 9	Sep/28/2023 00:54:26
	9	13.375 in   L80   68 lbsft   BTC   BTC   Casing	37.694	11660	- - -	joint 10	Sep/28/2023 00:58:46
	10	13.375 in   L80   68 lbsft   BTC   BTC   Casing	37.858	11460	- - -	joint 11	Sep/28/2023 01:04:03
	11	13.375 in   L80   68 lbsft   BTC   BTC   Casing	37.694	12500	- - -	joint 12	Sep/28/2023 01:08:46
	12	13.375 in   L80   68 lbsft   BTC   BTC   Casing	37.694	12110	- - -	joint 13	Sep/28/2023 01:16:00
	13	13.375 in   L80   68 lbsft   BTC   BTC   Casing	37.858	11940	- - -	joint 14	Sep/28/2023 01:21:45
	14	13.375 in   L80   68 lbsft   BTC   BTC   Casing	38.054	11570	- - -	joint 15	Sep/28/2023 01:28:21
	15	13.375 in   L80   68 lbsft   BTC   BTC   Casing	38.022	12080	- - -	joint 16	Sep/28/2023 01:33:05
	16	13.375 in   L80   68 lbsft   BTC   BTC   Casing	38.022	11620	- - -	joint 17	Sep/28/2023 01:39:28
	17	13.375 in   L80   68 lbsft   BTC   BTC   Casing	36.250	11970	- - -	joint 18	Sep/28/2023 01:44:21
	18	13.375 in   L80   68 lbsft   BTC   BTC   Casing	38.022	11980	- - -	joint 19	Sep/28/2023 01:58:07
	19	13.375 in   L80   68 lbsft   BTC   BTC   Casing	38.022	12080	- - -	joint 20	Sep/28/2023 02:04:45
	20	13.375 in   L80   68 lbsft   BTC   BTC   Casing	37.858	11900	- - -	joint 21	Sep/28/2023 02:16:12
	21	13.375 in   L80   68 lbsft   BTC   BTC   Casing	38.022	12110	- - -	joint 22	Sep/28/2023 02:21:31
	22	13.375 in   L80   68 lbsft   BTC   BTC   Casing	37.825	11690	- - -	joint 23	Sep/28/2023 02:26:27
	23	13.375 in   L80   68 lbsft   BTC   BTC   Casing	19.259	12260	- - -	pup B	Sep/28/2023 02:32:27
	24	13.375 in   L80   68 lbsft   BTC   BTC   Casing	6.165	11900	- - -	pup A	Sep/28/2023 02:40:26
	25	13.375 in   L80   68 lbsft   BTC   BTC   Casing	0.866	11030	- - -	hanger	Sep/28/2023 02:59:49
	26	13.375 in   L80   68 lbsft   BTC   BTC   Casing	0				
	27	13.375 in   L80   68 lbsft   BTC   BTC   Casing	0				

**Joint #: 1****Count #: 1**Job: **13 3/8 BTC SURFACE**

Serial#:

Time: **9/27/2023 11:40:58 PM**

Heat/Lot#:

Pipe Length: **68.205 ft**Cumulative Length: **68.205 ft**Cumulative Weight: **4637.940 lbs**Pipe: **13.375 in | L80 | 68 lbsft | TP-BM(S) | TPCO | Casing**■ Final Torque: **20600 FT-LB**▲ Shoulder Torque: **7650 FT-LB**Final Turns: **17.236**Shoulder Turns: **16.392**Max RPM: **19.440**Shoulder RPM: **3.93**Delta Torque: **12950 FT-LB**Shoulder Slope: **0.697**Delta Turns: **0.844****Notes: Shoe Joint & Joint 2**

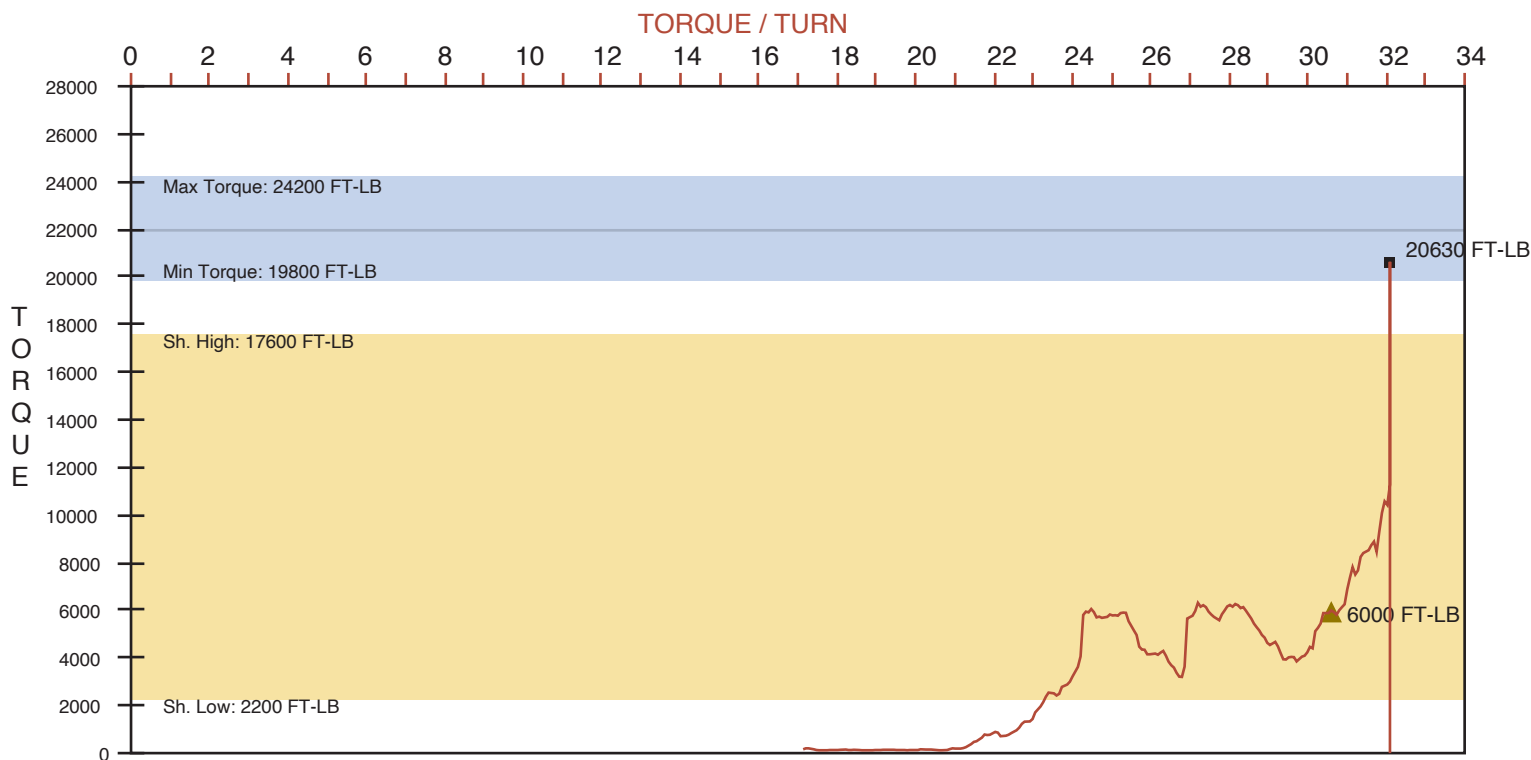


**Joint #: 2****Count #: 2**Job: **13 3/8 BTC SURFACE**

Serial#:

Time: **9/27/2023 11:54:20 PM**

Heat/Lot#:

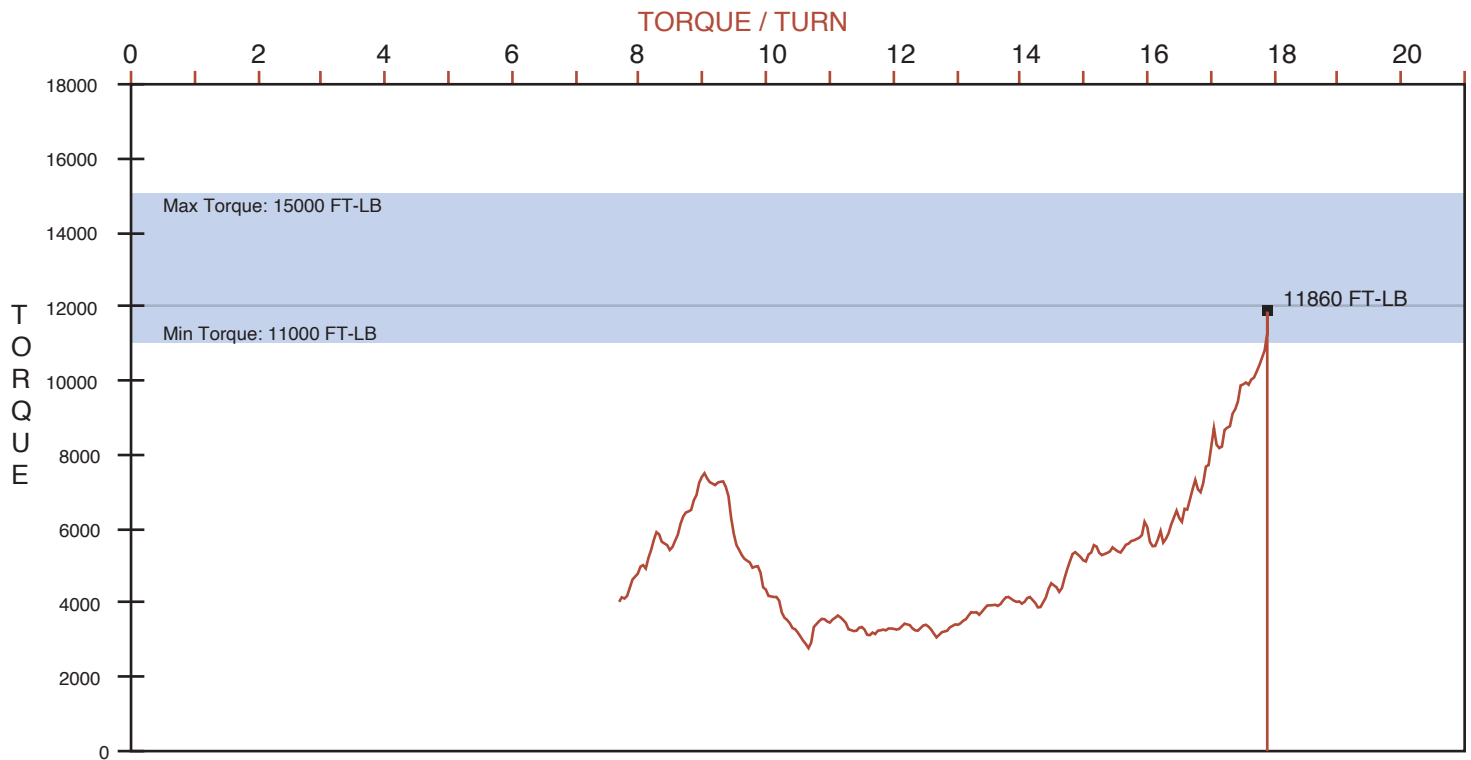
Pipe Length: **39.826 ft**Cumulative Length: **108.031 ft**Cumulative Weight: **7346.108 lbs**Pipe: **13.375 in | L80 | 68 lbsft | TP-BM(S) | TPCO | Casing**■ Final Torque: **20630 FT-LB**▲ Shoulder Torque: **6000 FT-LB**Final Turns: **32.113**Shoulder Turns: **30.558**Max RPM: **18.030**Shoulder RPM: **6.42**Delta Torque: **14630 FT-LB**Shoulder Slope: **0.428**Delta Turns: **1.555****Notes: float joint - thread locked**

**Joint #: 3****Count #: 3**Job: **13 3/8 BTC SURFACE**

Serial#:

Time: **9/28/2023 12:06:58 AM**

Heat/Lot#:

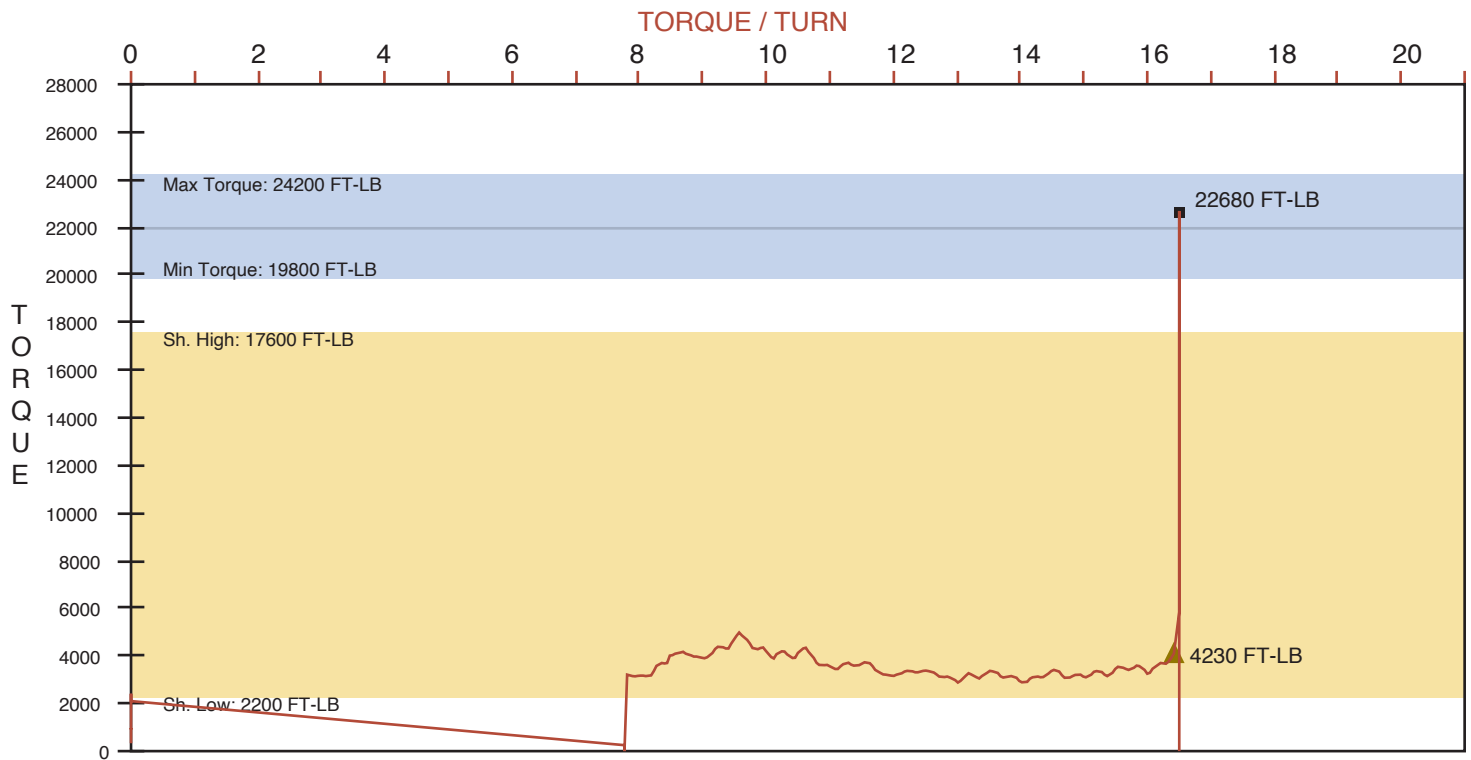
Pipe Length: **36.775 ft**Cumulative Length: **144.806 ft**Cumulative Weight: **9846.808 lbs**Pipe: **13.375 in | L80 | 68 lbsft | TP-BM(S) | TPCO | Casing**■ Final Torque: **11860 FT-LB**Final Turns: **17.881**Max RPM: **19.650**Delta Torque: **3560 FT-LB**Delta Turns: **0.736****Notes: joint 4 - btc connection - torque values change to suit triangle**

**Joint #: 4****Count #: 4**Job: **13 3/8 BTC SURFACE**

Serial#:

Time: **9/28/2023 12:17:51 AM**

Heat/Lot#:

Pipe Length: **37.333 ft**Cumulative Length: **182.139 ft**Cumulative Weight: **12385.452 lbs**Pipe: **13.375 in | L80 | 68 lbsft | TP-BM(S) | TPCO | Casing**■ Final Torque: **22680 FT-LB**▲ Shoulder Torque: **4230 FT-LB**Final Turns: **16.512**Shoulder Turns: **16.421**Max RPM: **19.260**Shoulder RPM: **10.95**Delta Torque: **18450 FT-LB**Shoulder Slope: **9.165**Delta Turns: **0.092****Notes: joint 5 - tp-bms box - btc pin torque values changed to tp-bms parameters**

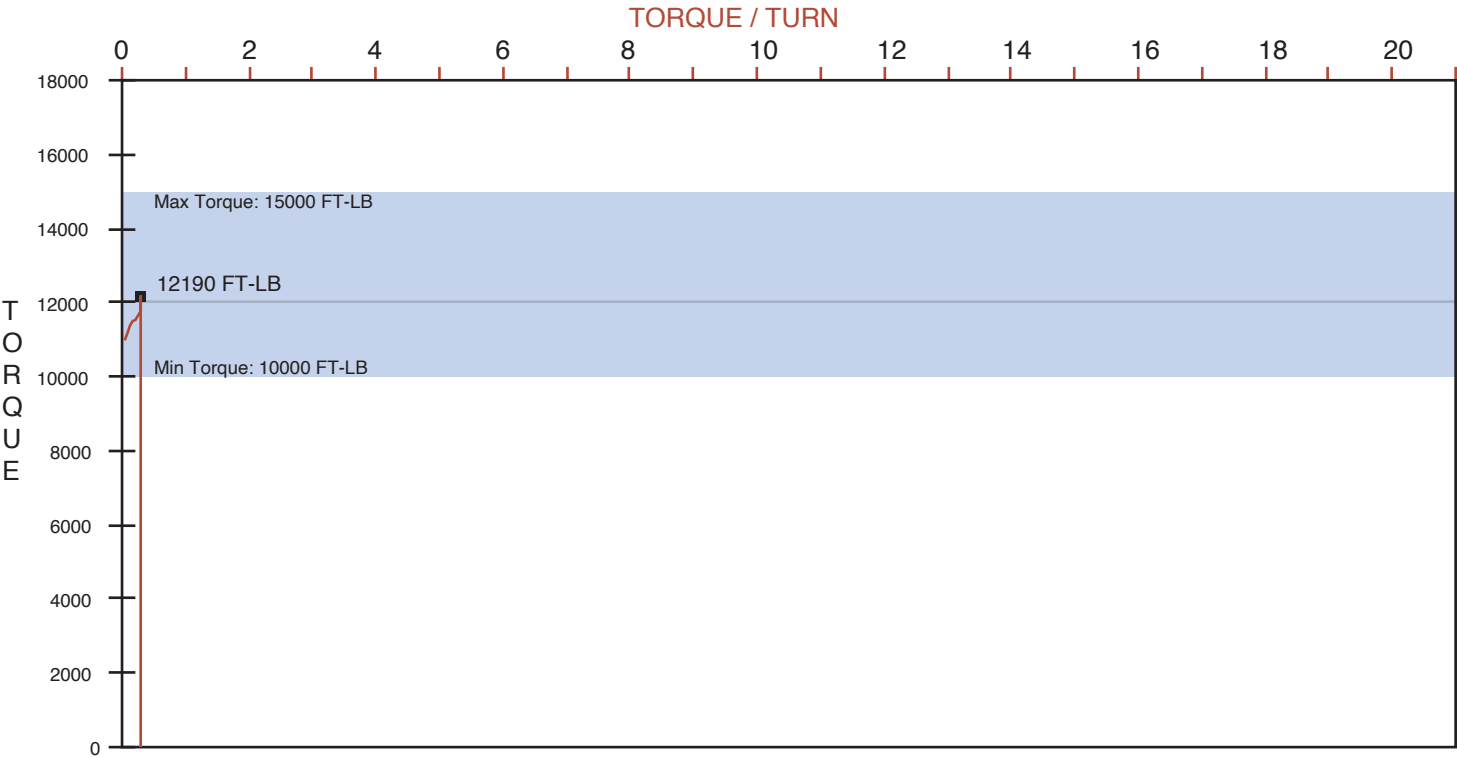
Joint #: 5

Count #: 5

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 12:26:15 AM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	219.997 ft		
Cumulative Weight:	14959.796 lbs		
Pipe:	13.375 in   L80   68 lbsft   TP-BM(S)   TPCO   Casing		

Final Torque:	12190 FT-LB
Final Turns:	0.284
Max RPM:	6.75
Delta Torque:	250 FT-LB
Delta Turns:	0.028

Notes: joint 6 - btc connection - triangle ok



**Joint #: 6****Count #: 1**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 12:36:46 AM	Heat/Lot#:	
Pipe Length:	37.201 ft		
Cumulative Length:	257.198 ft		
Cumulative Weight:	17489.464 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 11210 FT-LB

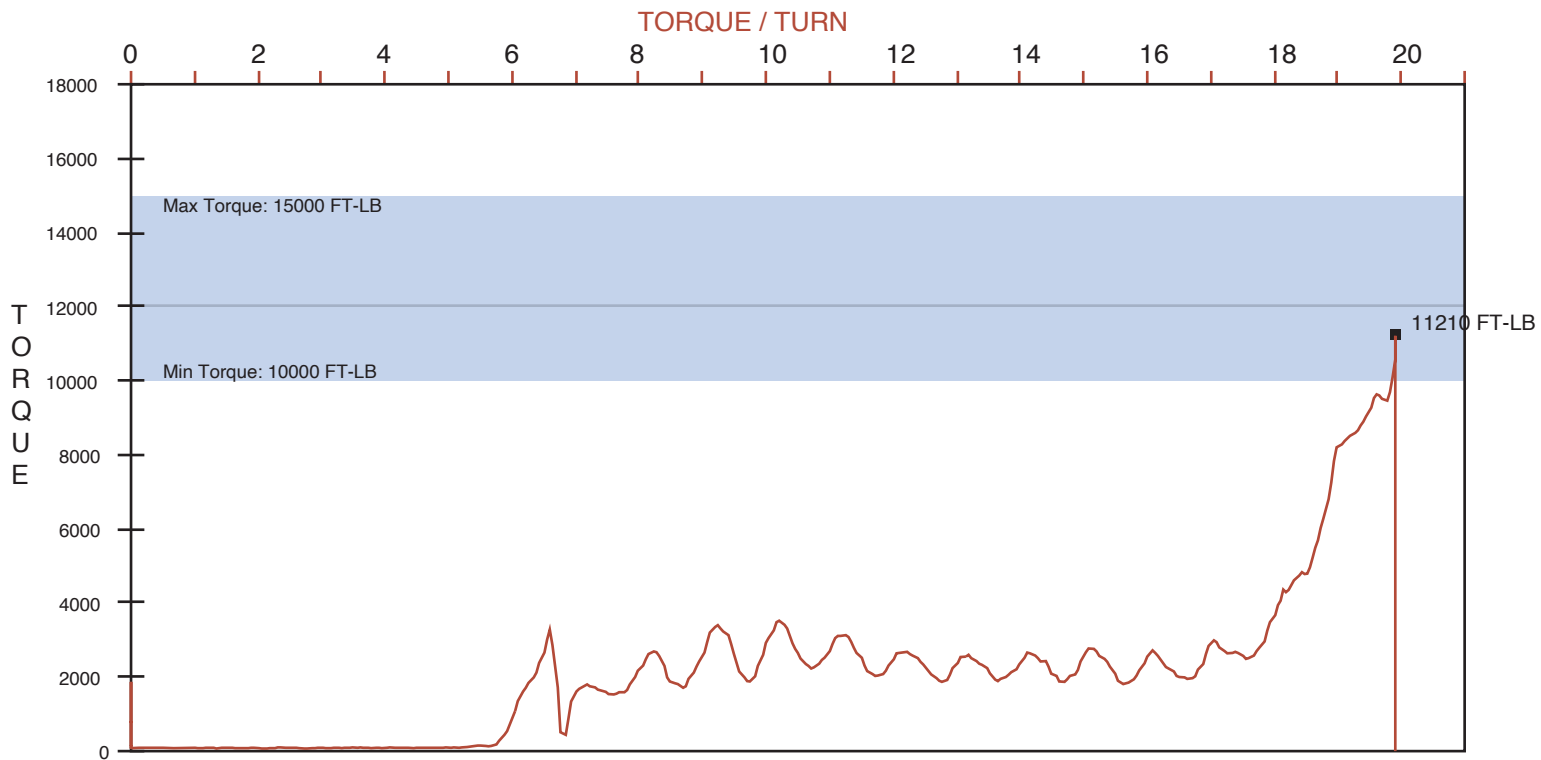
Final Turns: 19.924

Max RPM: 18.840

Delta Torque: 8470 FT-LB

Delta Turns: 9.99

Notes: joint 7 - Triangle ok

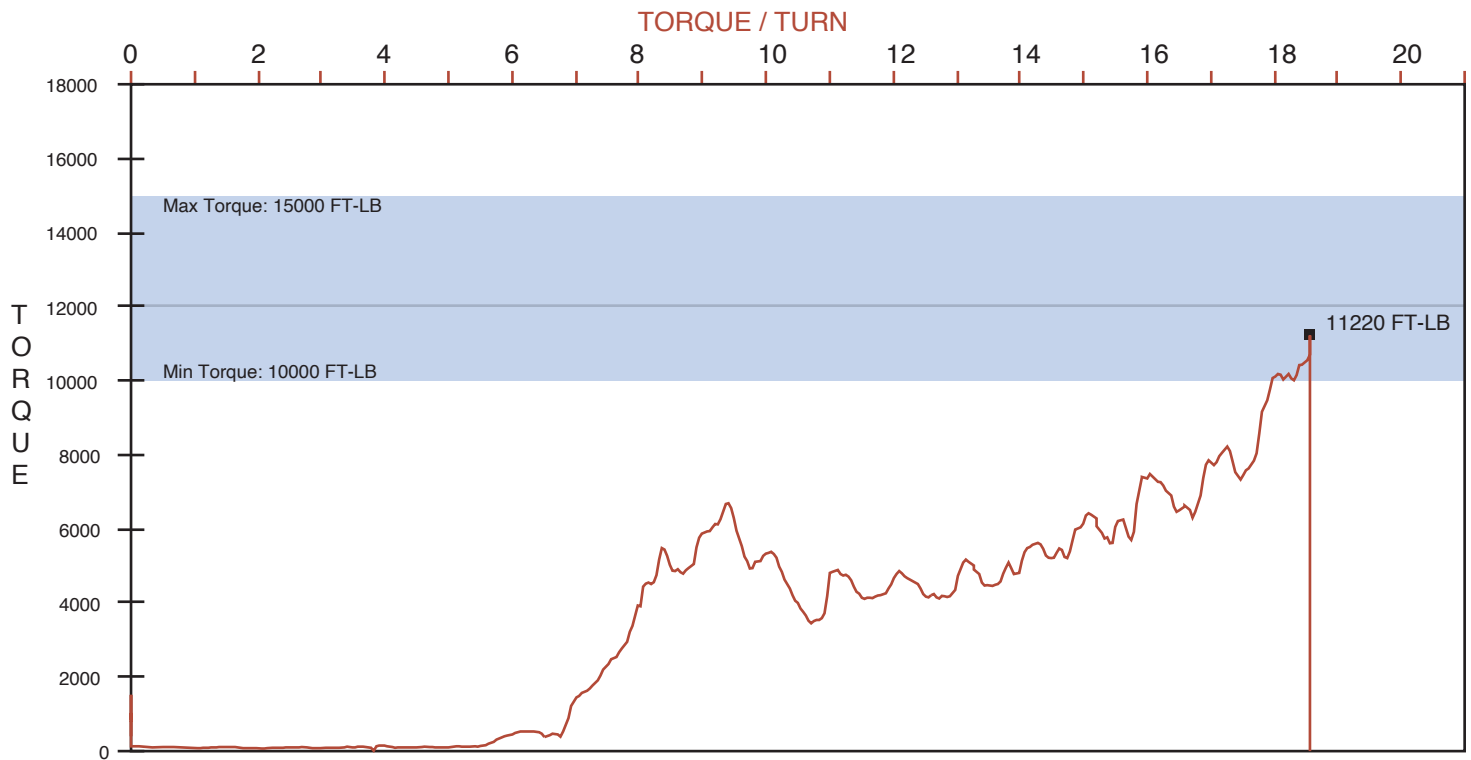


**Joint #: 7****Count #: 6**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 12:46:38 AM	Heat/Lot#:	
Pipe Length:	37.201 ft		
Cumulative Length:	294.399 ft		
Cumulative Weight:	20019.132 lbs		
Pipe:	13.375 in   L80   68 lbsft   TP-BM(S)   TPCO   Casing		

■ Final Torque:	11220 FT-LB
Final Turns:	18.564
Max RPM:	19.470
Delta Torque:	4400 FT-LB
Delta Turns:	2.744

Notes: joint 8



**Joint #: 8**

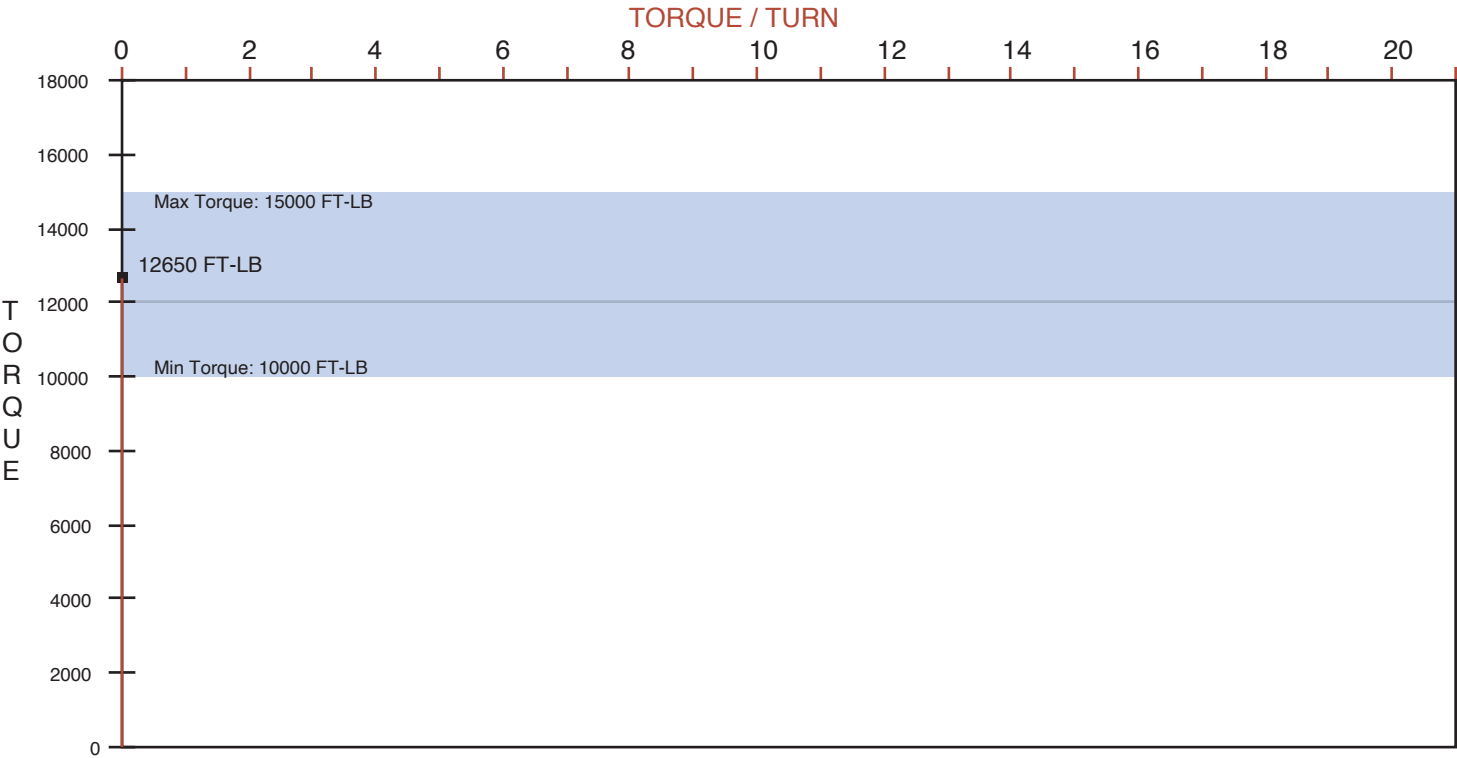
**Count #: 2**

Job:	13 3/8 BTC SURFACE
Time:	9/28/2023 12:54:26 AM
Pipe Length:	37.858 ft
Cumulative Length:	332.257 ft
Cumulative Weight:	22593.476 lbs
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing

Serial#:
Heat/Lot#:

■ Final Torque:	12650 FT-LB
Final Turns:	0.000
Max RPM:	0.030
Delta Torque:	0 FT-LB
Delta Turns:	0

Notes: joint 9



**Joint #: 9****Count #: 3**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 12:58:46 AM	Heat/Lot#:	
Pipe Length:	37.694 ft		
Cumulative Length:	369.951 ft		
Cumulative Weight:	25156.668 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 11660 FT-LB

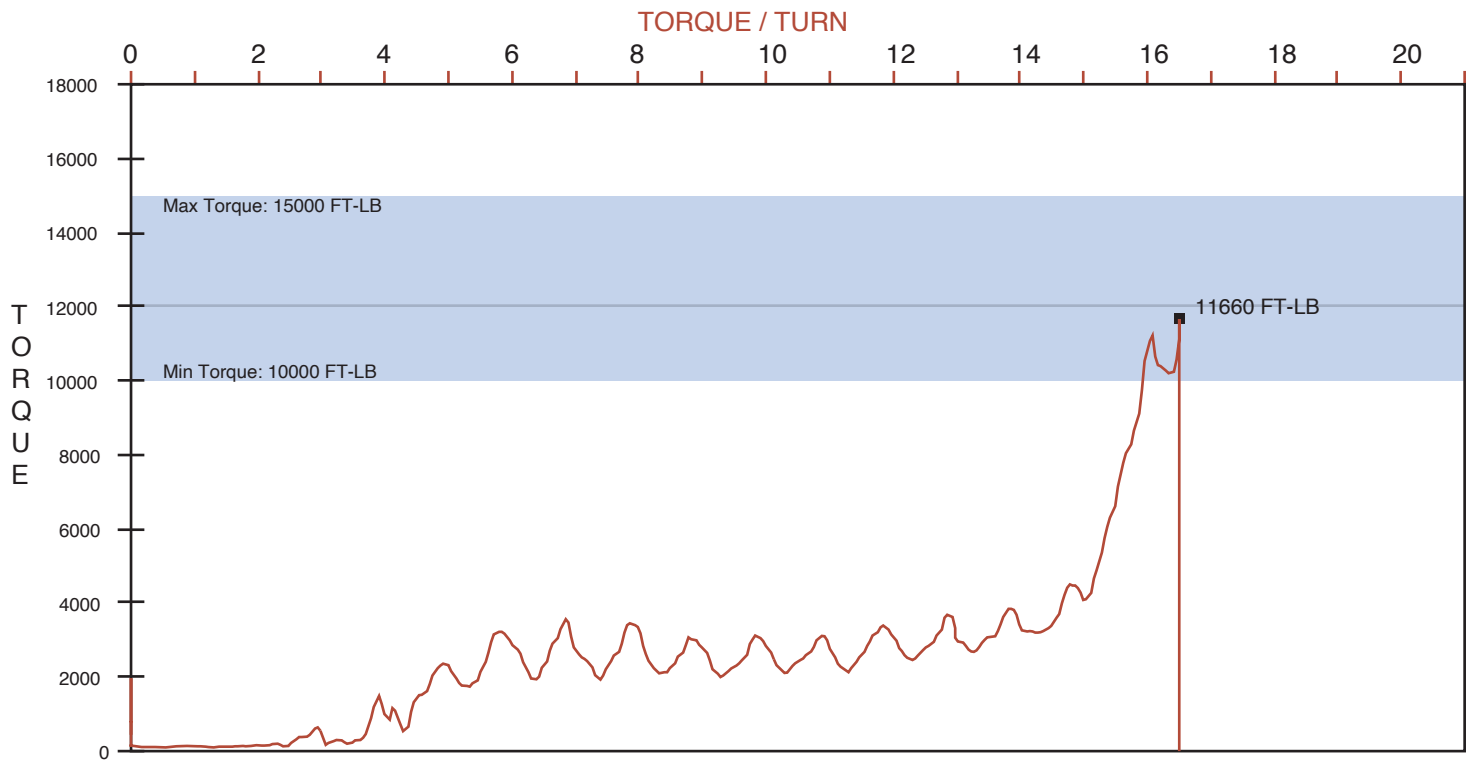
Final Turns: 16.522

Max RPM: 18.030

Delta Torque: 9240 FT-LB

Delta Turns: 10.010

Notes: joint 10





**Joint #: 10****Count #: 4**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 1:04:03 AM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	407.809 ft		
Cumulative Weight:	27731.012 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 11460 FT-LB

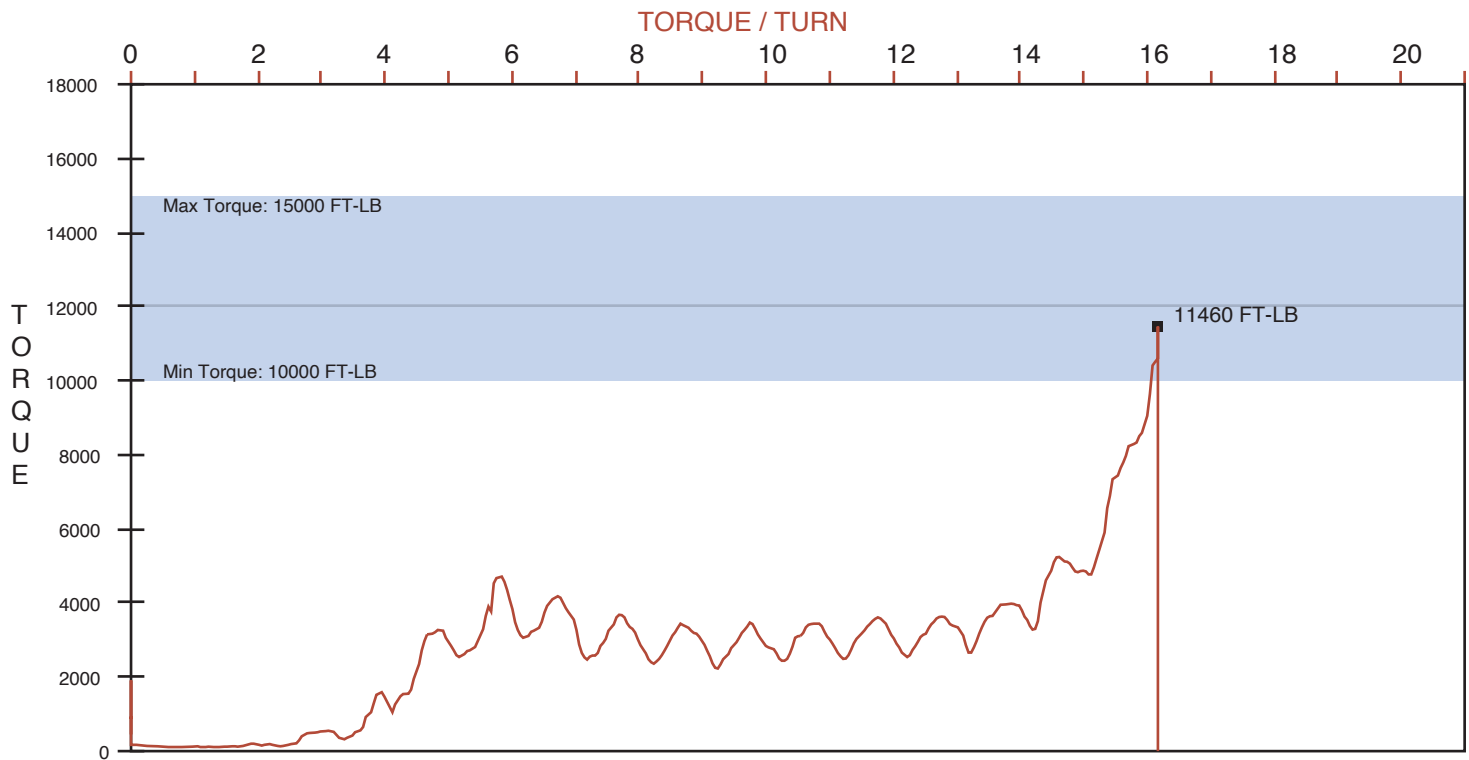
Final Turns: 16.183

Max RPM: 18.030

Delta Torque: 7950 FT-LB

Delta Turns: 1.926

Notes: joint 11



**Joint #: 11****Count #: 5**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 1:08:46 AM	Heat/Lot#:	
Pipe Length:	37.694 ft		
Cumulative Length:	445.503 ft		
Cumulative Weight:	30294.204 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 12500 FT-LB

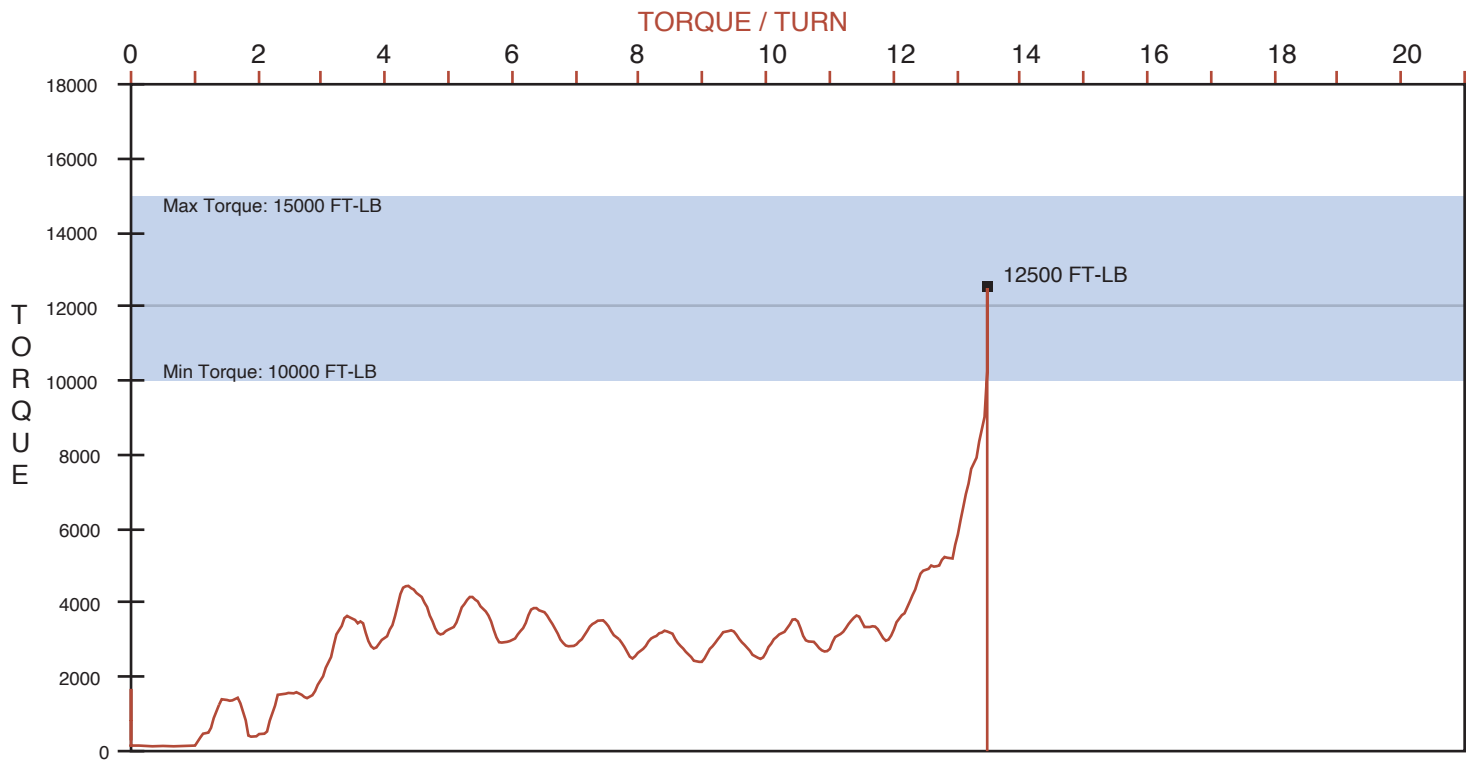
Final Turns: 13.488

Max RPM: 18.030

Delta Torque: 9400 FT-LB

Delta Turns: 9.498

Notes: joint 12



**Joint #: 12****Count #: 6**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 1:16:00 AM	Heat/Lot#:	
Pipe Length:	37.694 ft		
Cumulative Length:	483.197 ft		
Cumulative Weight:	32857.396 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 12110 FT-LB

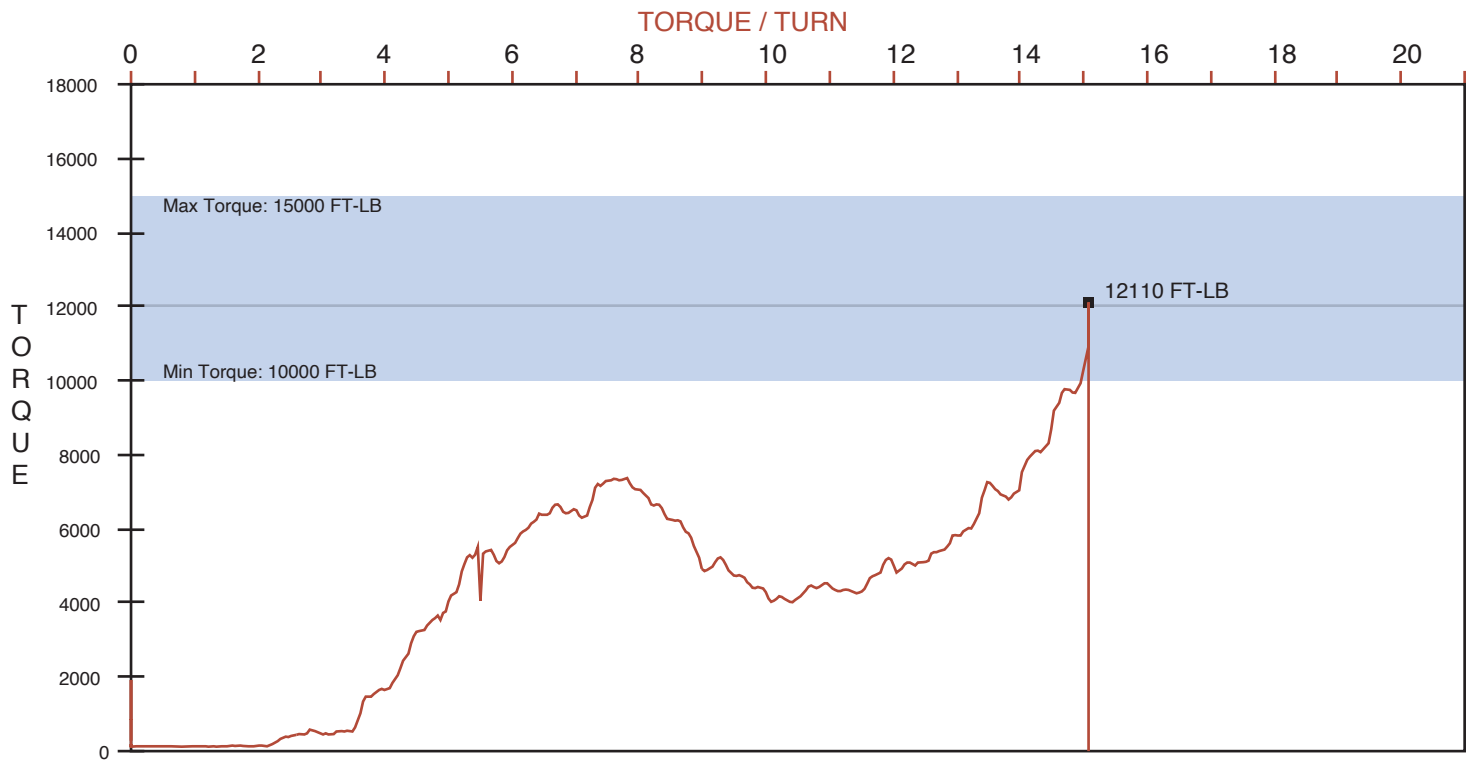
Final Turns: 15.076

Max RPM: 18.030

Delta Torque: 970 FT-LB

Delta Turns: 0.038

Notes: joint 13



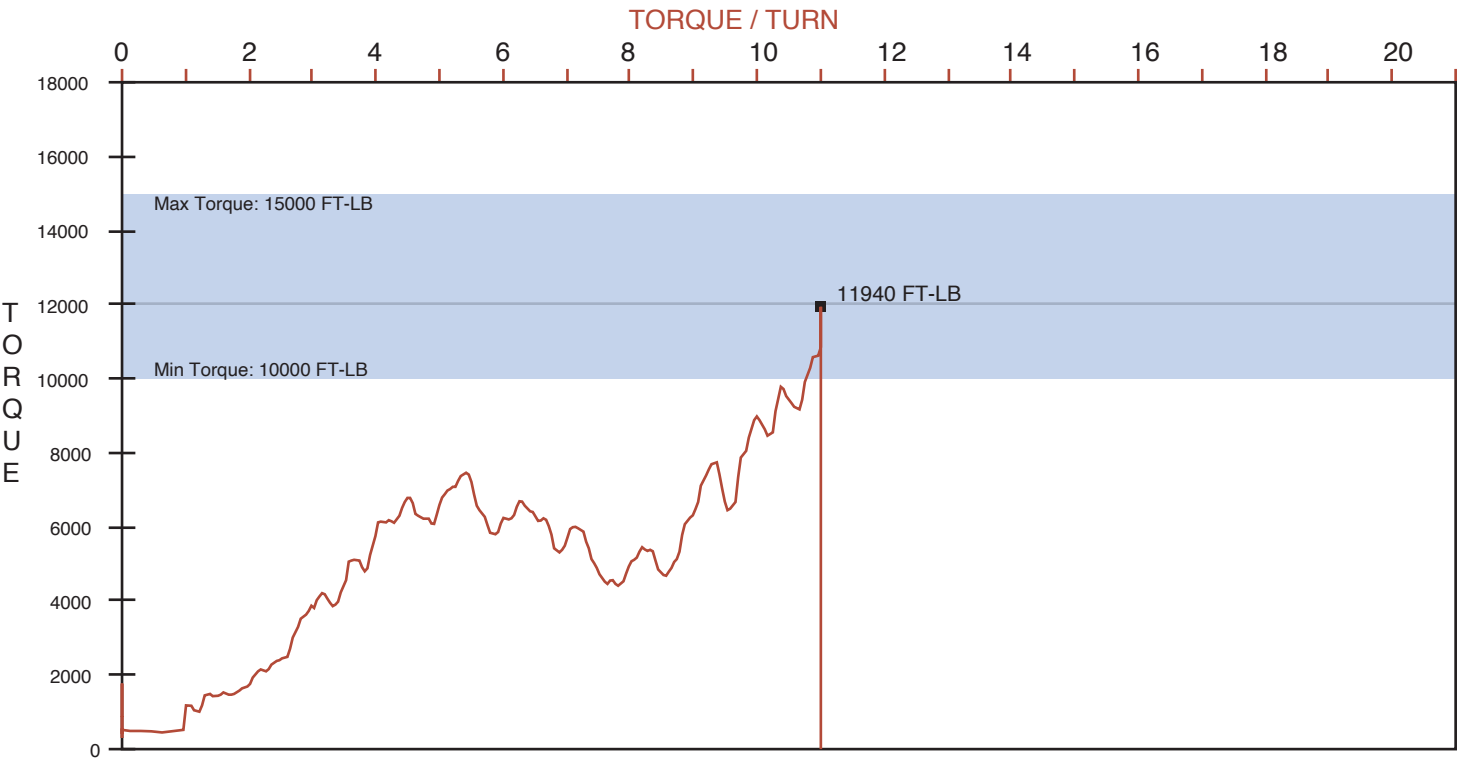
Joint #: 13

Count #: 7

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 1:21:45 AM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	521.055 ft		
Cumulative Weight:	35431.740 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

Final Torque:	11940 FT-LB
Final Turns:	11.022
Max RPM:	17.790
Delta Torque:	4840 FT-LB
Delta Turns:	1.381

Notes: joint 14



**Joint #: 14****Count #: 8**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 1:28:21 AM	Heat/Lot#:	
Pipe Length:	38.054 ft		
Cumulative Length:	559.109 ft		
Cumulative Weight:	38019.412 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 11570 FT-LB

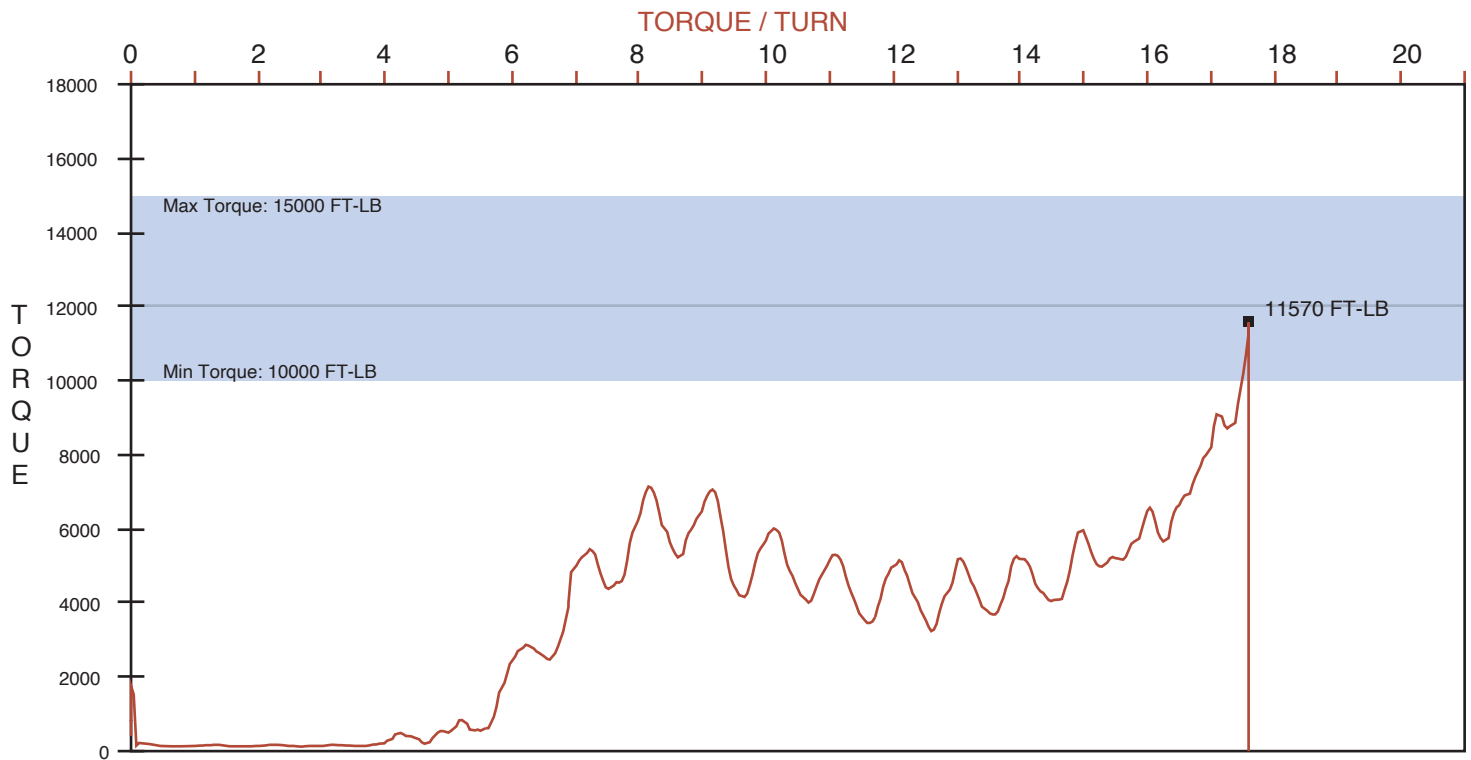
Final Turns: 17.615

Max RPM: 18.030

Delta Torque: 6980 FT-LB

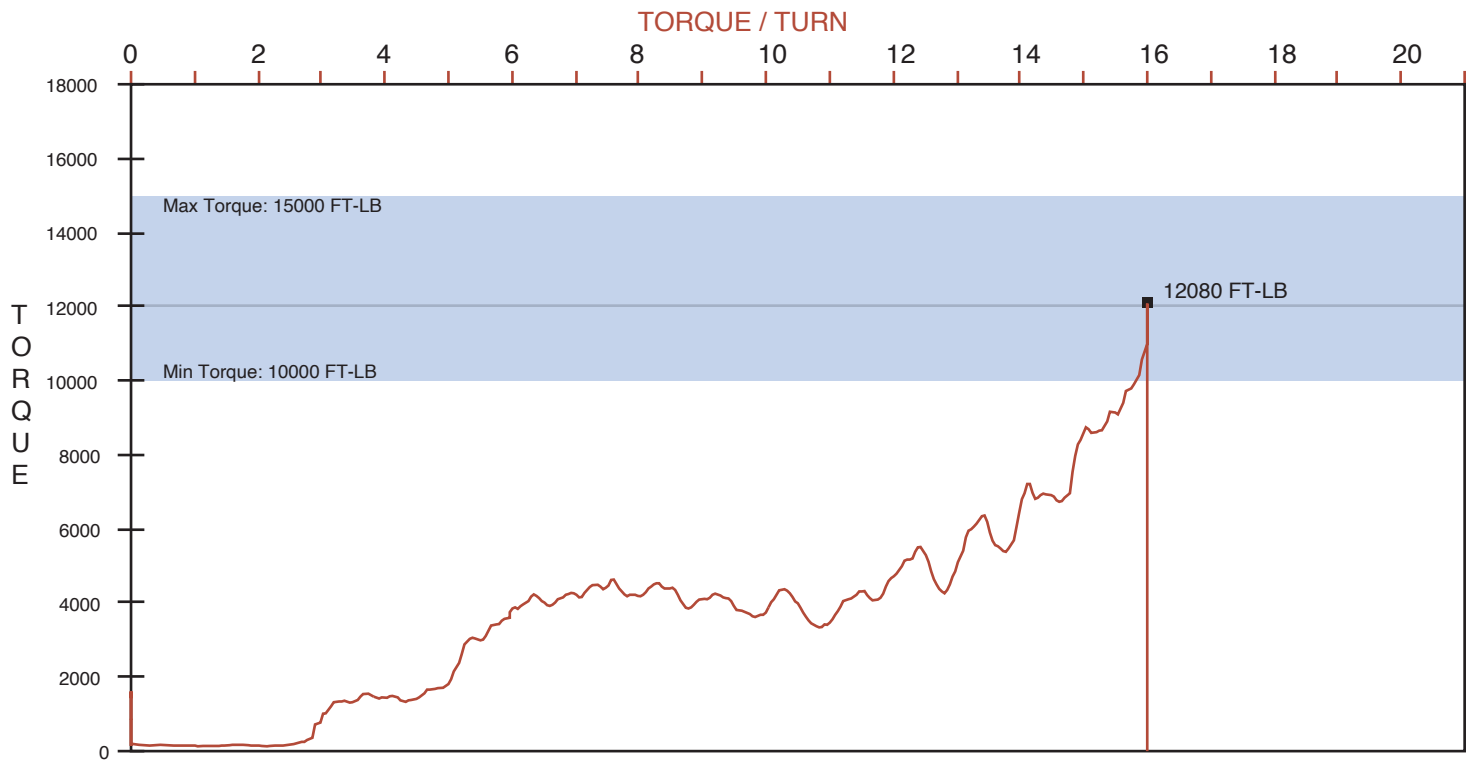
Delta Turns: 7.882

Notes: joint 15



**Joint #: 15****Count #: 9**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 1:33:05 AM	Heat/Lot#:	
Pipe Length:	38.022 ft		
Cumulative Length:	597.131 ft		
Cumulative Weight:	40604.908 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: **12080 FT-LB**Final Turns: **15.988**Max RPM: **18.810**Delta Torque: **6020 FT-LB**Delta Turns: **2.086**Notes: **joint 16**

**Joint #: 16****Count #: 10**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 1:39:28 AM	Heat/Lot#:	
Pipe Length:	38.022 ft		
Cumulative Length:	635.153 ft		
Cumulative Weight:	43190.404 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 11620 FT-LB

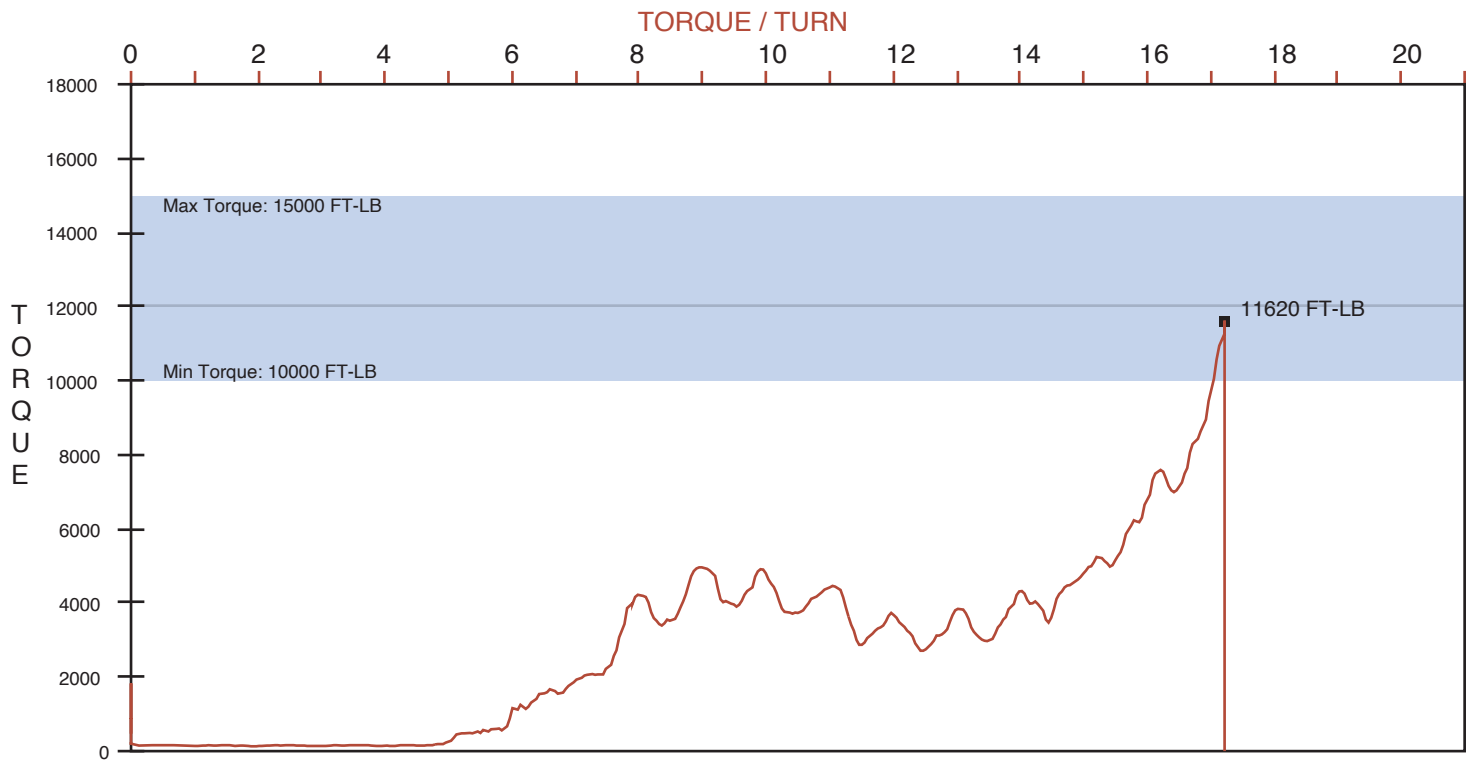
Final Turns: 17.202

Max RPM: 18

Delta Torque: 6050 FT-LB

Delta Turns: 1.596

Notes: joint 17



**Joint #: 17****Count #: 11**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 1:44:21 AM	Heat/Lot#:	
Pipe Length:	36.250 ft		
Cumulative Length:	671.403 ft		
Cumulative Weight:	45655.404 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 11970 FT-LB

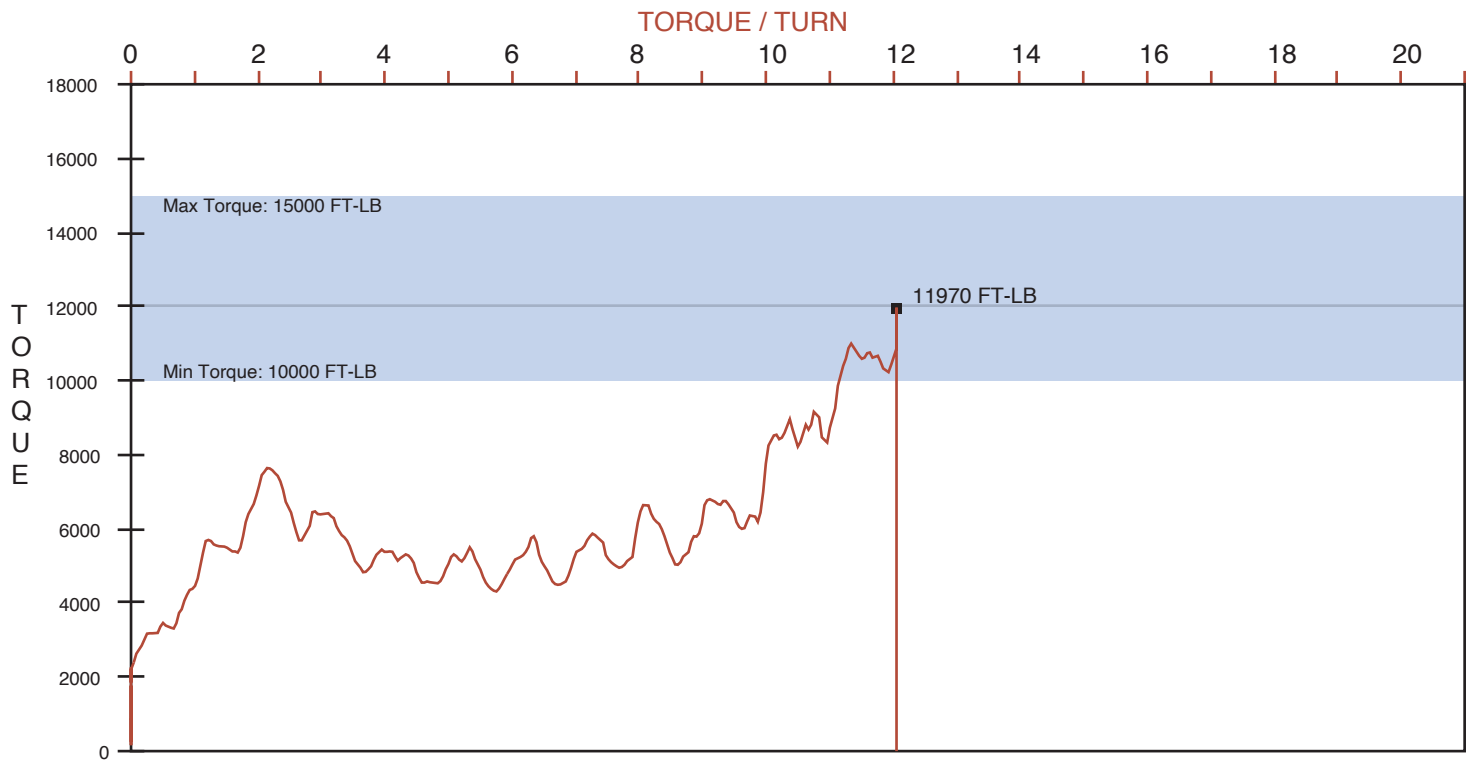
Final Turns: 12.047

Max RPM: 17.850

Delta Torque: 1100 FT-LB

Delta Turns: 0.051

Notes: joint 18





**Joint #: 18****Count #: 12**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 1:58:07 AM	Heat/Lot#:	
Pipe Length:	38.022 ft		
Cumulative Length:	709.425 ft		
Cumulative Weight:	48240.900 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 11980 FT-LB

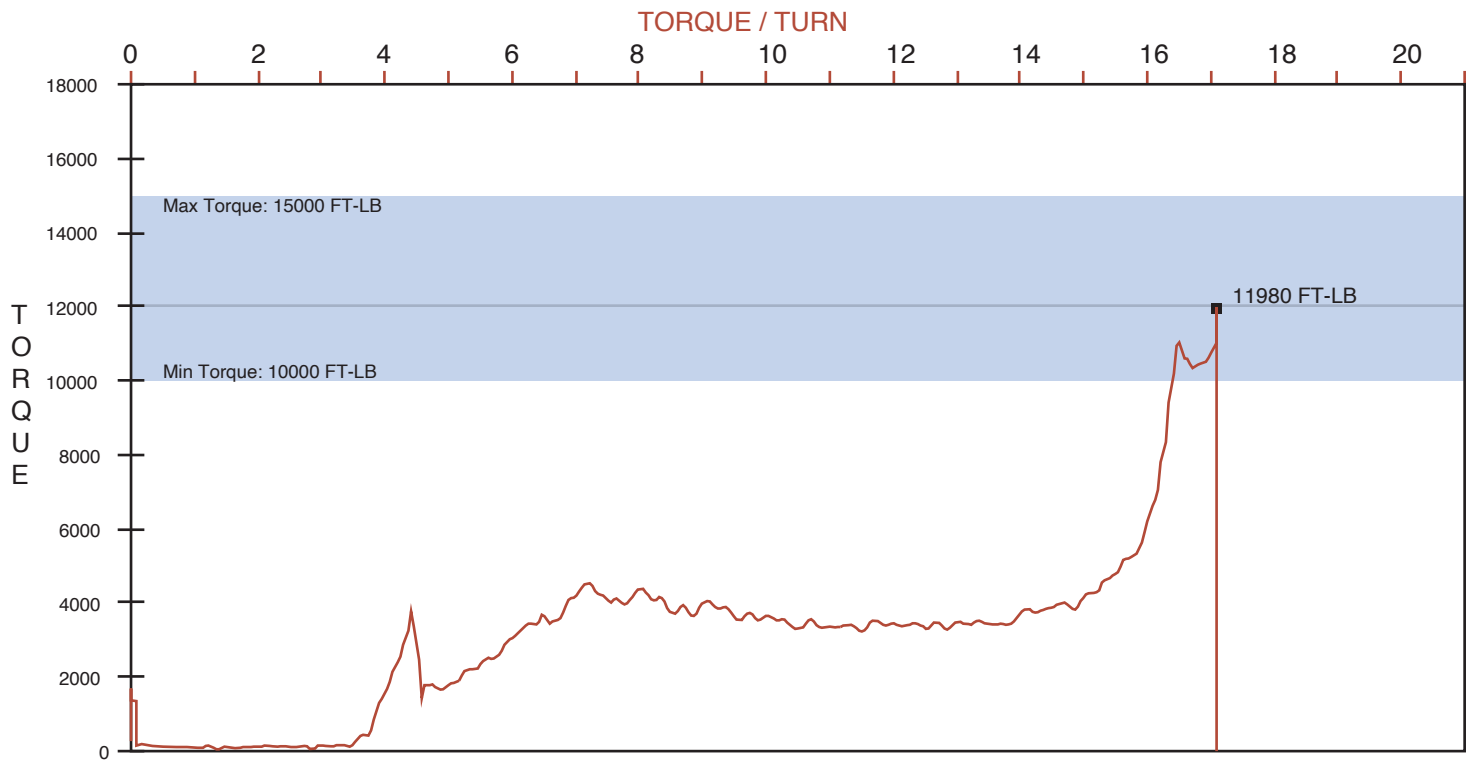
Final Turns: 17.096

Max RPM: 18.030

Delta Torque: 10550 FT-LB

Delta Turns: 12.548

Notes: joint 19

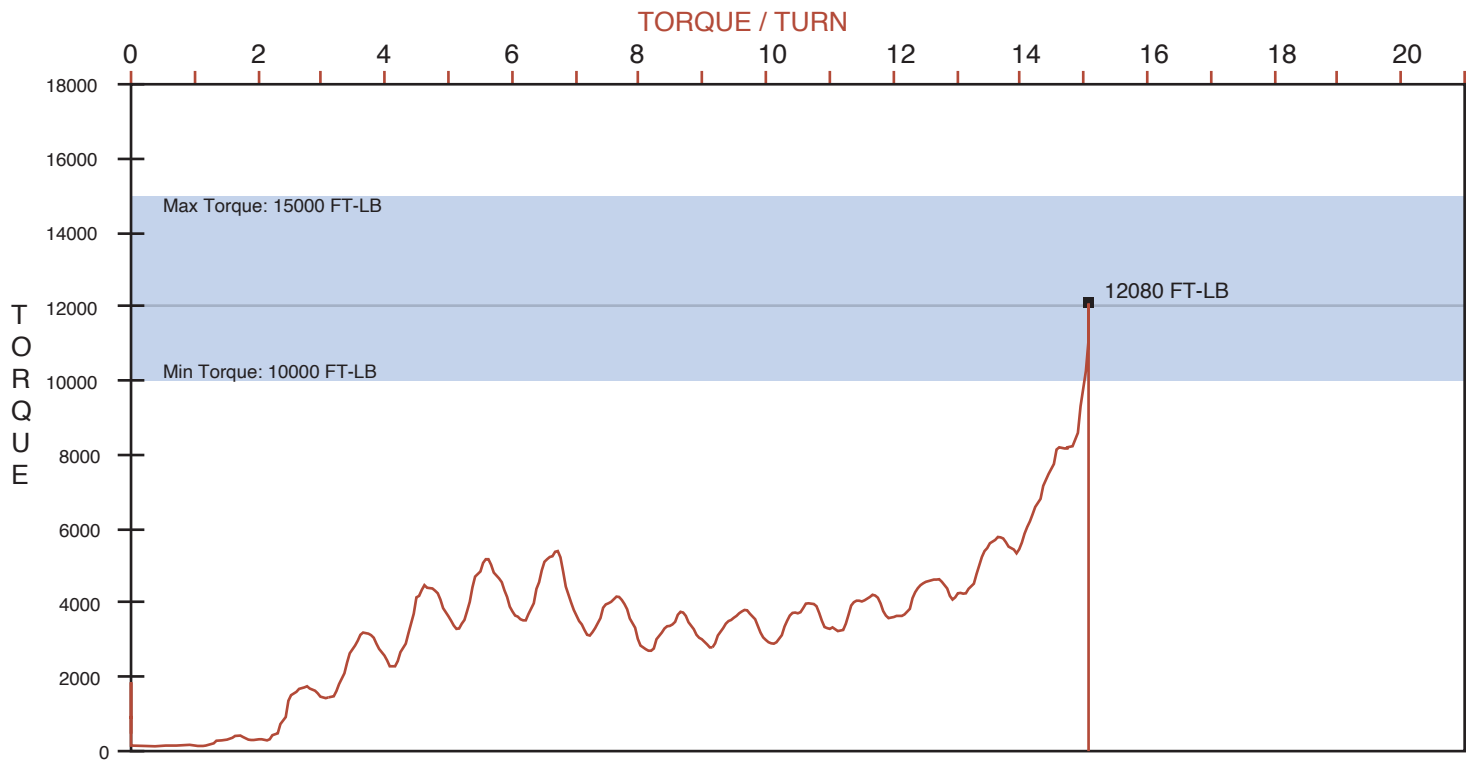


**Joint #: 19****Count #: 13**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 2:04:45 AM	Heat/Lot#:	
Pipe Length:	38.022 ft		
Cumulative Length:	747.447 ft		
Cumulative Weight:	50826.396 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque:	12080 FT-LB
Final Turns:	15.092
Max RPM:	18.030
Delta Torque:	1820 FT-LB
Delta Turns:	0.107

Notes: joint 20

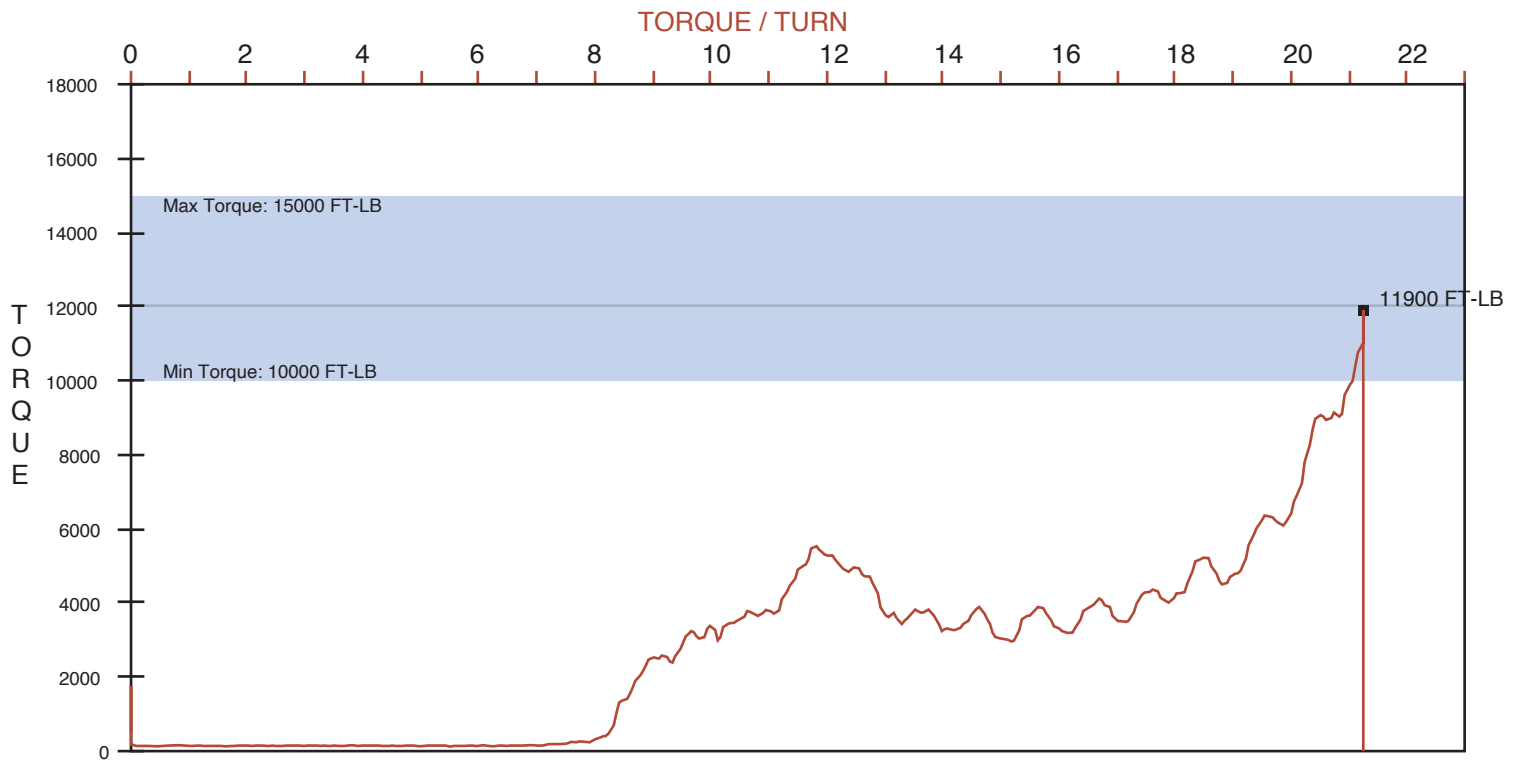


**Joint #: 20****Count #: 14**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 2:16:12 AM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	785.305 ft		
Cumulative Weight:	53400.740 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque:	11900 FT-LB
Final Turns:	21.249
Max RPM:	19.410
Delta Torque:	7360 FT-LB
Delta Turns:	2.404

Notes: joint 21



**Joint #: 21****Count #: 15**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 2:21:31 AM	Heat/Lot#:	
Pipe Length:	38.022 ft		
Cumulative Length:	823.327 ft		
Cumulative Weight:	55986.236 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 12110 FT-LB

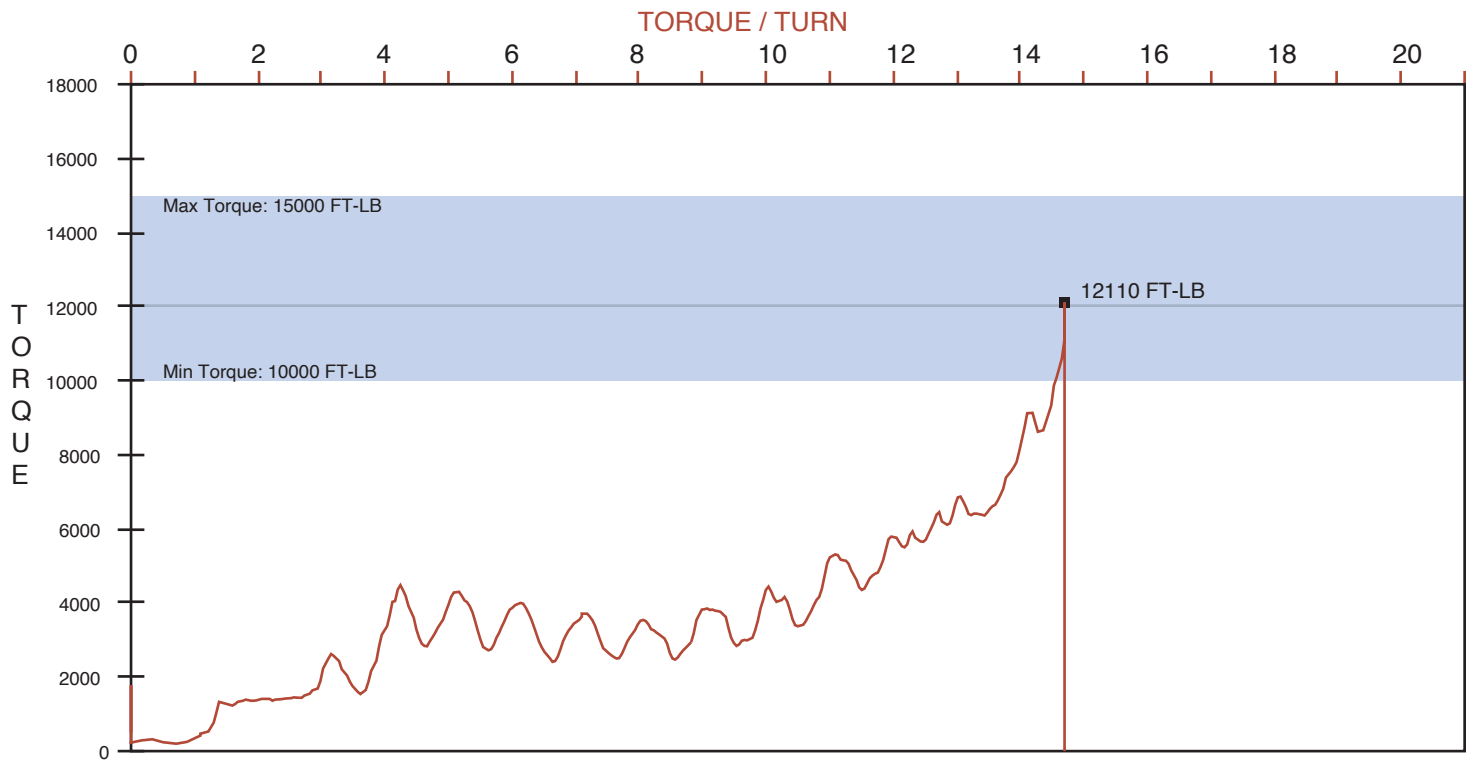
Final Turns: 14.704

Max RPM: 19.260

Delta Torque: 9490 FT-LB

Delta Turns: 10.855

Notes: joint 22

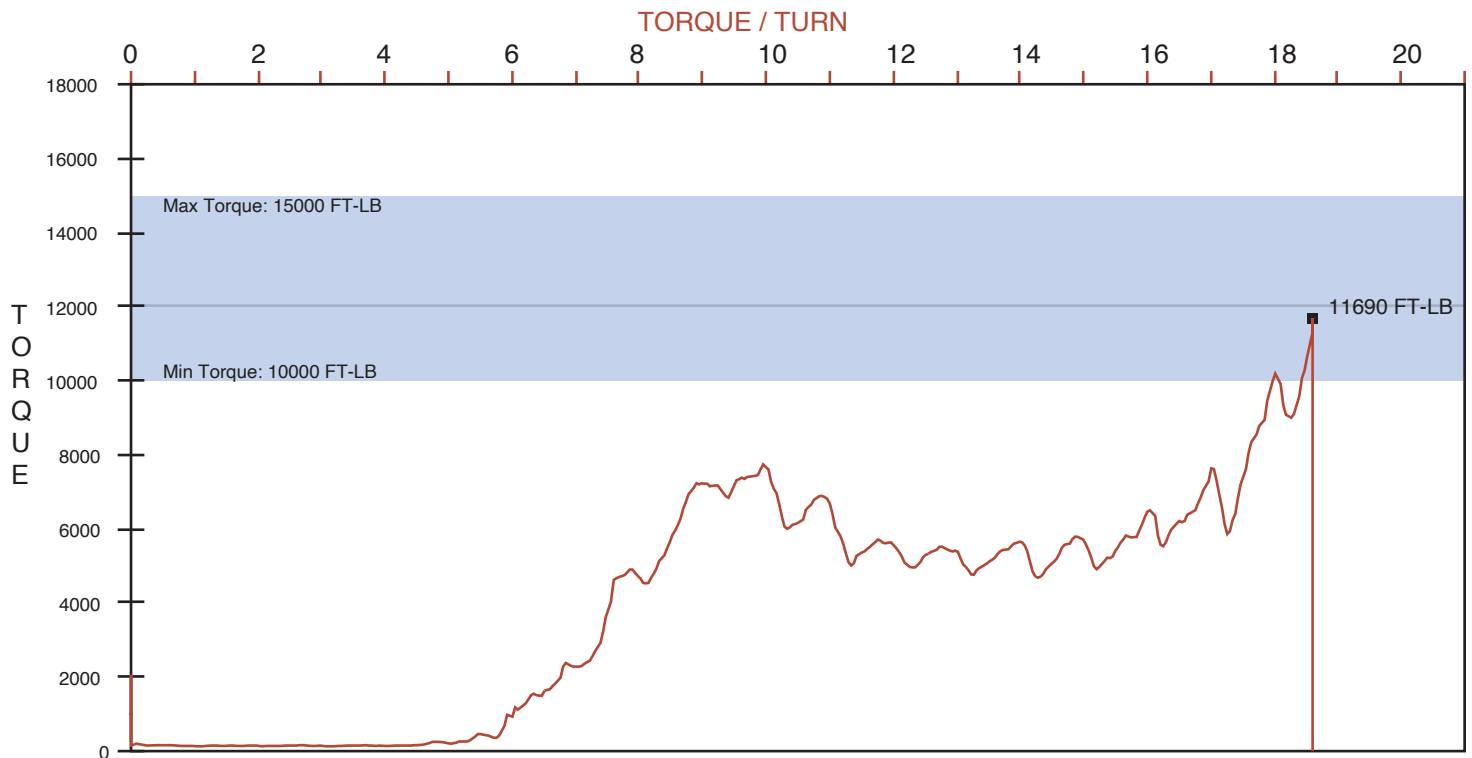


**Joint #: 22****Count #: 16**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 2:26:27 AM	Heat/Lot#:	
Pipe Length:	37.825 ft		
Cumulative Length:	861.152 ft		
Cumulative Weight:	58558.336 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: **11690 FT-LB**Final Turns: **18.594**Max RPM: **19.470**Delta Torque: **5110 FT-LB**Delta Turns: **1.2**

Notes: joint 23



**Joint #: 23****Count #: 17**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 2:32:27 AM	Heat/Lot#:	
Pipe Length:	19.259 ft		
Cumulative Length:	880.411 ft		
Cumulative Weight:	59867.948 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 12260 FT-LB

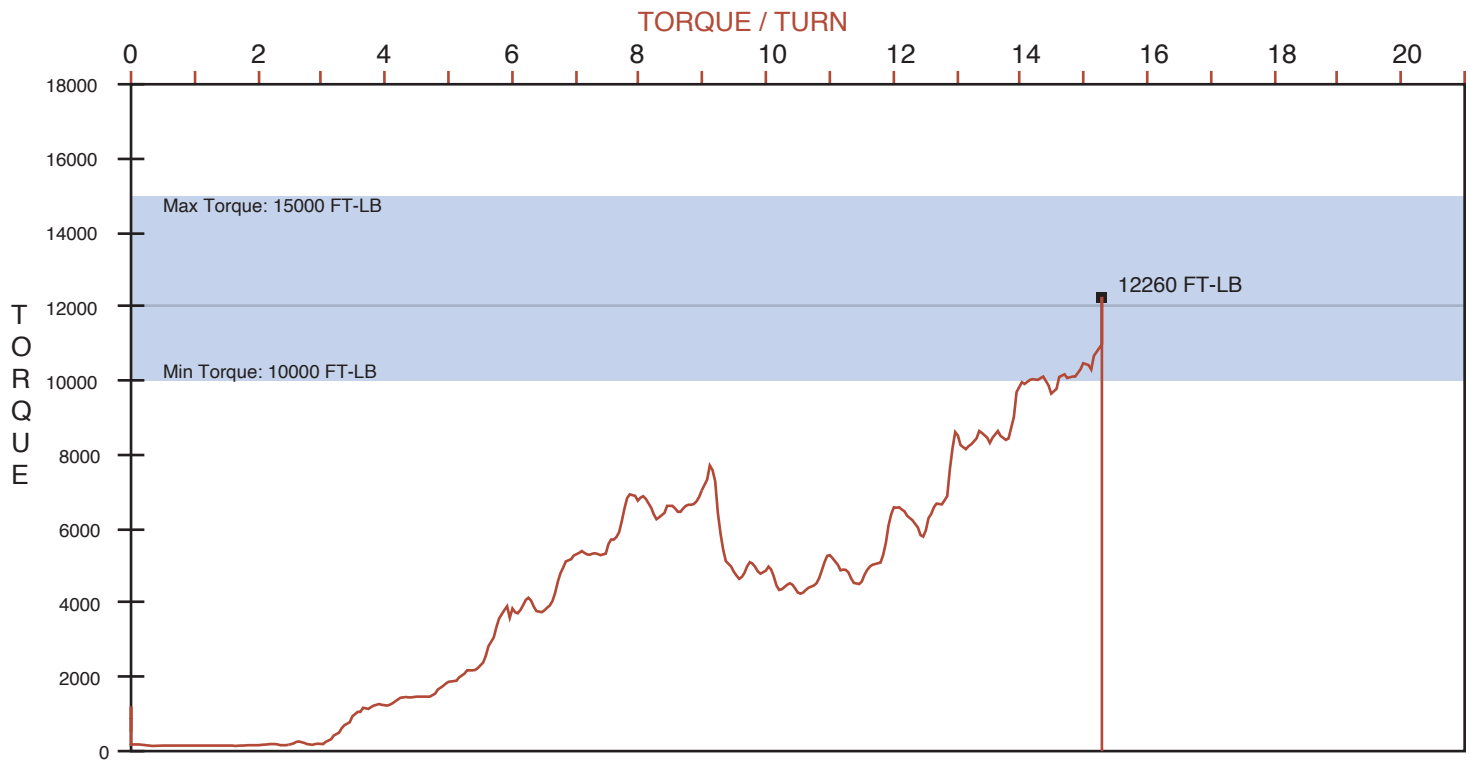
Final Turns: 15.290

Max RPM: 18.030

Delta Torque: 3500 FT-LB

Delta Turns: 1.458

Notes: pup B



**Joint #: 24****Count #: 18**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 2:40:26 AM	Heat/Lot#:	
Pipe Length:	6.165 ft		
Cumulative Length:	886.576 ft		
Cumulative Weight:	60287.168 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 11900 FT-LB

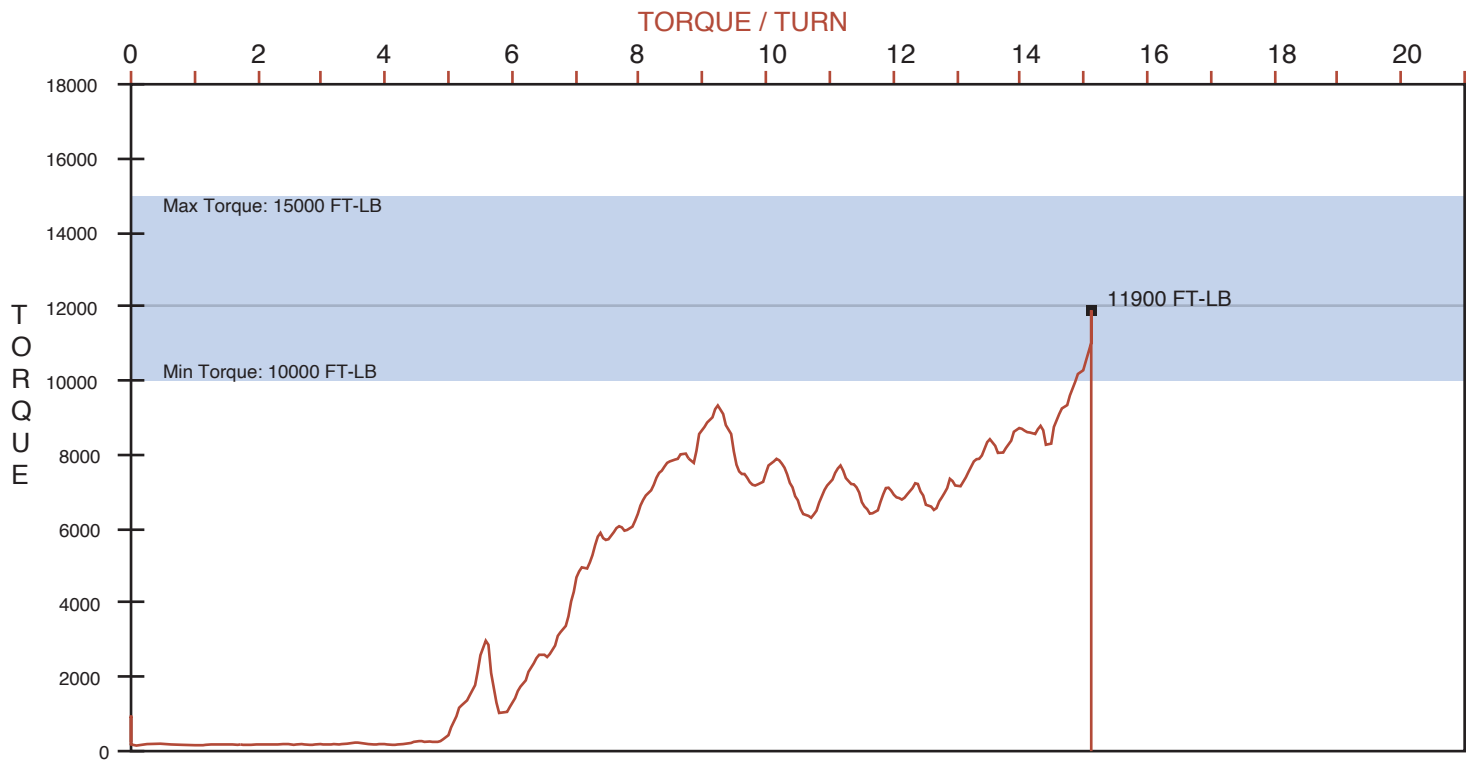
Final Turns: 15.102

Max RPM: 18.060

Delta Torque: 10470 FT-LB

Delta Turns: 9.093

Notes: pup A



**Joint #: 25****Count #: 19**

Job:	13 3/8 BTC SURFACE	Serial#:	
Time:	9/28/2023 2:59:49 AM	Heat/Lot#:	
Pipe Length:	0.866 ft		
Cumulative Length:	887.442 ft		
Cumulative Weight:	60346.056 lbs		
Pipe:	13.375 in   L80   68 lbsft   BTC   BTC   Casing		

■ Final Torque: 11030 FT-LB

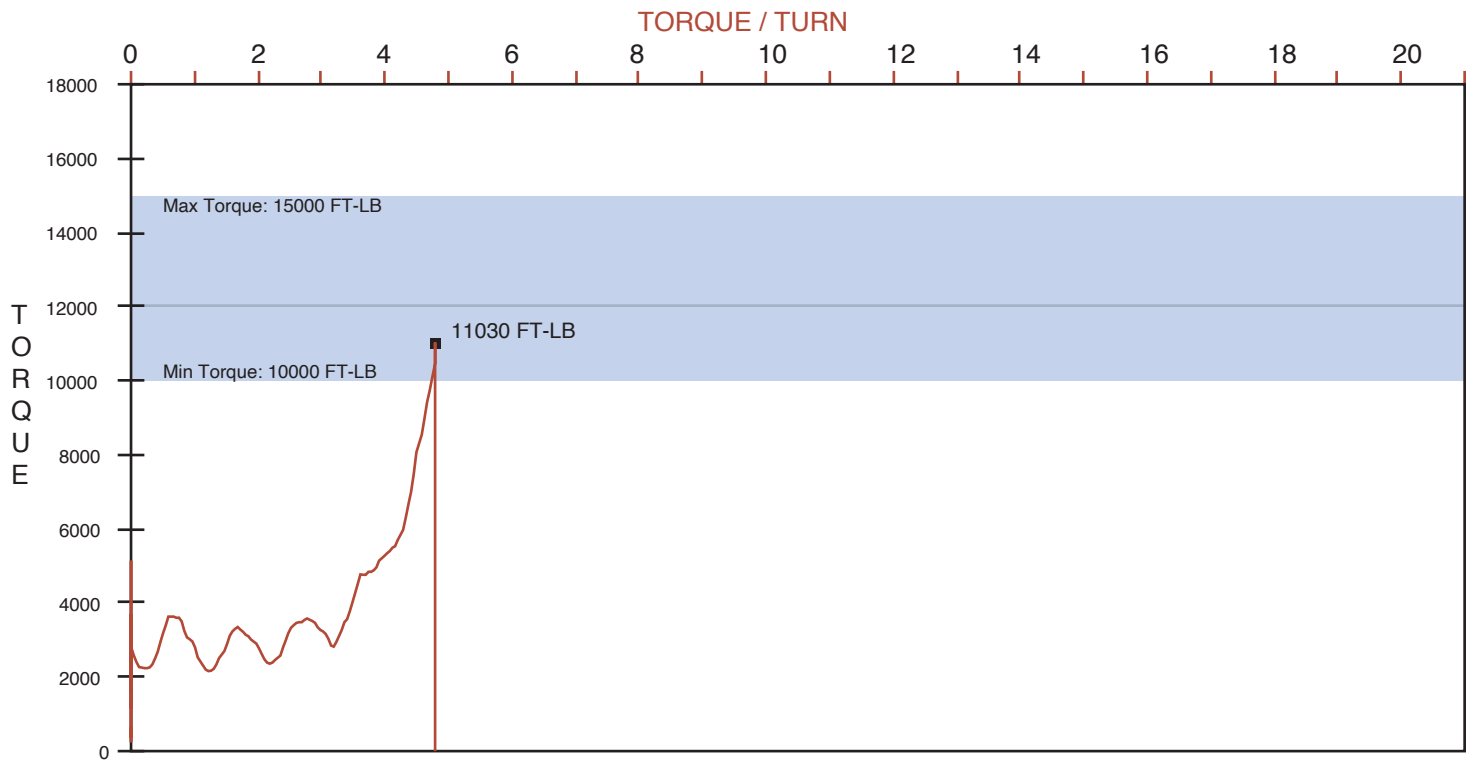
Final Turns: 4.795

Max RPM: 17.970

Delta Torque: 8800 FT-LB

Delta Turns: 4.606

Notes: hanger







Torque Monitoring Report For:

**Tamboran**

Well Name: **Amungee NW-3H**

Location: **Beetaloo**

Lot 1: **25800 9.625 53.5**

Site Rep: **Maurice Verkirk**

Start Date: **9/30/2023 4:46:39 PM**

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**Job Name: 9 5/8 Intermediate casing**

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<b>Oil Company:</b>	Tamboran	<b>Casing Company:</b>	DrillQuip
<b>Location:</b>	Beetaloo	<b>Computer Company:</b>	DrillQuip
<b>Well Name:</b>	Amungee NW-3H	<b>Computer Techs:</b>	Shaun,Campbell, Jace
<b>Site Rep:</b>	Maurice Verkirk	<b>Rig Name:</b>	469

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**Hardware Information:**

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<b>Computer ID:</b>	6	<b>Torque Sub Name:</b>	DP5-04-22 (NC50)
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**Job Notes:**

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Pipe Grade:	P 110	Connection Type:	JFE Bear
Lot Joint Count:	52	Max RPM Setting:	22
Pipe Lot Serial#:	--	Pipe Lot Heat#:	
		Imperial Units	Metric Units
Pipe Size (ID):	Inch   mm	8.535	216.789
Pipe Weight:	lbs/ft   kg/M	47	69.94
Low Shoulder Torque:	ft.lbs   Nm	1290	1749
High Shoulder Torque:	ft.lbs   Nm	16770	22737
Min Final Torque:	ft.lbs   Nm	23220	31482
Optimum Torque:	ft.lbs   Nm	25800	34980
Max Final Torque:	ft.lbs   Nm	28380	38478
Lot Casing Ran:	ft   M	1988.30058856	606.034

Joint List

Status	Joint#	Name					Length	Torque	Delta-Torq	Notes	Time
	1	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	78.589	25520	21240	Joint 2 (FC & joint 1 bucked up on ground)	Sep/30/2023 19:01:30
	2	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	40.246	26500	22400	FC & Joint 3	Sep/30/2023 19:18:14
	3	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	34.324	26470	19820	Joint 4	Sep/30/2023 19:31:07
	4	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.228	26290	23170	Joint 5	Sep/30/2023 19:39:47
	5	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	36.916	26480	23230	Joint 6	Sep/30/2023 19:48:04
	6	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.949	25980	23210	Joint 7	Sep/30/2023 19:54:26
	7	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.490	26310	23030	Joint 8	Sep/30/2023 20:01:10
	8	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	36.654	26260	22830	Joint 9	Sep/30/2023 20:07:05
	9	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.900	26320	23380	Joint 10	Sep/30/2023 20:13:34
	10	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	36.490	26530	23430	Joint 11	Sep/30/2023 20:19:40
	11	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	36.916	26480	22680	Joint 12	Sep/30/2023 20:26:04
	12	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.589	26410	24630	Joint 13	Sep/30/2023 20:30:41
	13	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.812	26380	24700	Joint 14	Sep/30/2023 20:34:37
	14	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.146	26330	22850	Joint 15	Sep/30/2023 20:39:13
	15	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.261	26410	23050	Joint 16	Sep/30/2023 20:43:32
	16	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	35.948	26330	22790	Joint 17	Sep/30/2023 20:47:22
	17	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.245	26230	23770	Joint 18	Sep/30/2023 20:51:42
	18	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.294	26370	22850	Joint 19	Sep/30/2023 20:55:50
	19	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	36.818	26260	24260	Joint 20	Sep/30/2023 20:59:41
	20	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.268	26340	22120	Joint 21	Sep/30/2023 21:03:45
	21	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	36.440	26390	23740	Joint 22	Sep/30/2023 21:09:03
	22	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.851	26320	23160	Joint 23	Sep/30/2023 21:12:48
	23	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.261	26300	22820	Joint 24	Sep/30/2023 21:18:29
	24	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.278	26340	23930	Joint 25	Sep/30/2023 21:22:23
	25	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.949	26100	23470	Joint 26	Sep/30/2023 21:30:14
	26	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.917	26420	23980	Joint 27	Sep/30/2023 21:34:52
	27	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.261	26260	24350	Joint 28	Sep/30/2023 21:39:02
	28	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.278	26080	22650	Joint 29	Sep/30/2023 21:42:56
	29	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.375	26120	22630	Joint 30	Sep/30/2023 21:46:23
	30	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.294	25920	22000	Joint 31	Sep/30/2023 21:50:06
	31	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.327	26300	19700	Joint 32	Sep/30/2023 21:54:10
	32	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.278	26290	22710	Joint 33	Sep/30/2023 21:58:18
	33	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	36.342	26260	22580	Joint 34	Sep/30/2023 22:01:42
	34	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.900	26250	22870	Joint 35	Sep/30/2023 22:04:52
	35	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.900	26100	24150	Joint 36	Sep/30/2023 22:08:36
	36	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.244	26330	23020	Joint 37	Sep/30/2023 22:12:02
	37	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.949	26180	24480	Joint 38	Sep/30/2023 22:15:38
	38	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.244	26160	22500	Joint 39	Sep/30/2023 22:19:59
	39	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.949	26120	22980	Joint 40	Sep/30/2023 22:23:32
	40	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	36.916	26290	24400	Joint 41	Sep/30/2023 22:28:35
	41	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.966	25980	24240	Joint 42	Sep/30/2023 22:32:29
	42	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.917	26030	22530	Joint 43	Sep/30/2023 22:36:00
	43	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	37.966	26200	22870	Joint 44	Sep/30/2023 22:39:32
	44	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	38.097	26070	22350	Joint 45	Sep/30/2023 22:44:36
	45	9.625 in Bear	in JFE	P 110 Bear	47 lbsft Casing	JFE	36.243	26050	22390	Joint 46	Sep/30/2023 22:48:00

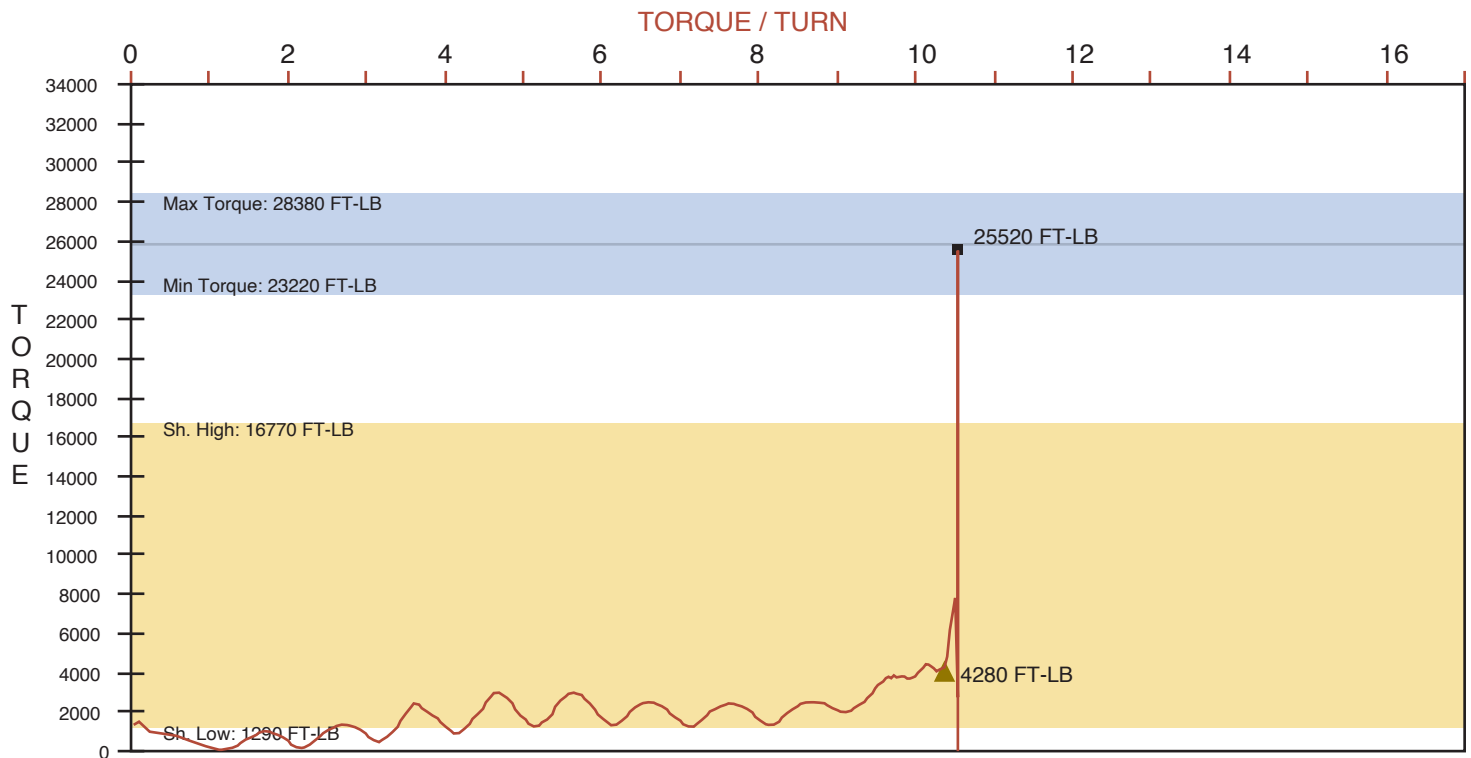
46	9.625 in Bear	P 110 JFE Bear	47 lbsft Casing	JFE	37.113	26190	21300	Joint 47	Sep/30/2023 22:51:29
47	9.625 in Bear	P 110 JFE Bear	47 lbsft Casing	JFE	38.261	26310	22840	Joint 48	Sep/30/2023 22:56:59
48	9.625 in Bear	P 110 JFE Bear	47 lbsft Casing	JFE	37.949	26040	18860	Joint 49	Sep/30/2023 23:00:58
49	9.625 in Bear	P 110 JFE Bear	47 lbsft Casing	JFE	37.605	26120	22470	Joint 50	Sep/30/2023 23:04:24
50	9.625 in Bear	P 110 JFE Bear	47 lbsft Casing	JFE	36.752	26180	22680	Joint 51	Sep/30/2023 23:08:18
51	9.625 in Bear	P 110 JFE Bear	47 lbsft Casing	JFE	37.621	26170	22580	Joint 52	Sep/30/2023 23:12:20
52	9.625 in Bear	P 110 JFE Bear	47 lbsft Casing	JFE	30.774	26250	22810	Hanger & Landing Joint	Sep/30/2023 23:17:01

**Joint #: 1****Count #: 1**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 7:01:30 PM**

Heat/Lot#:

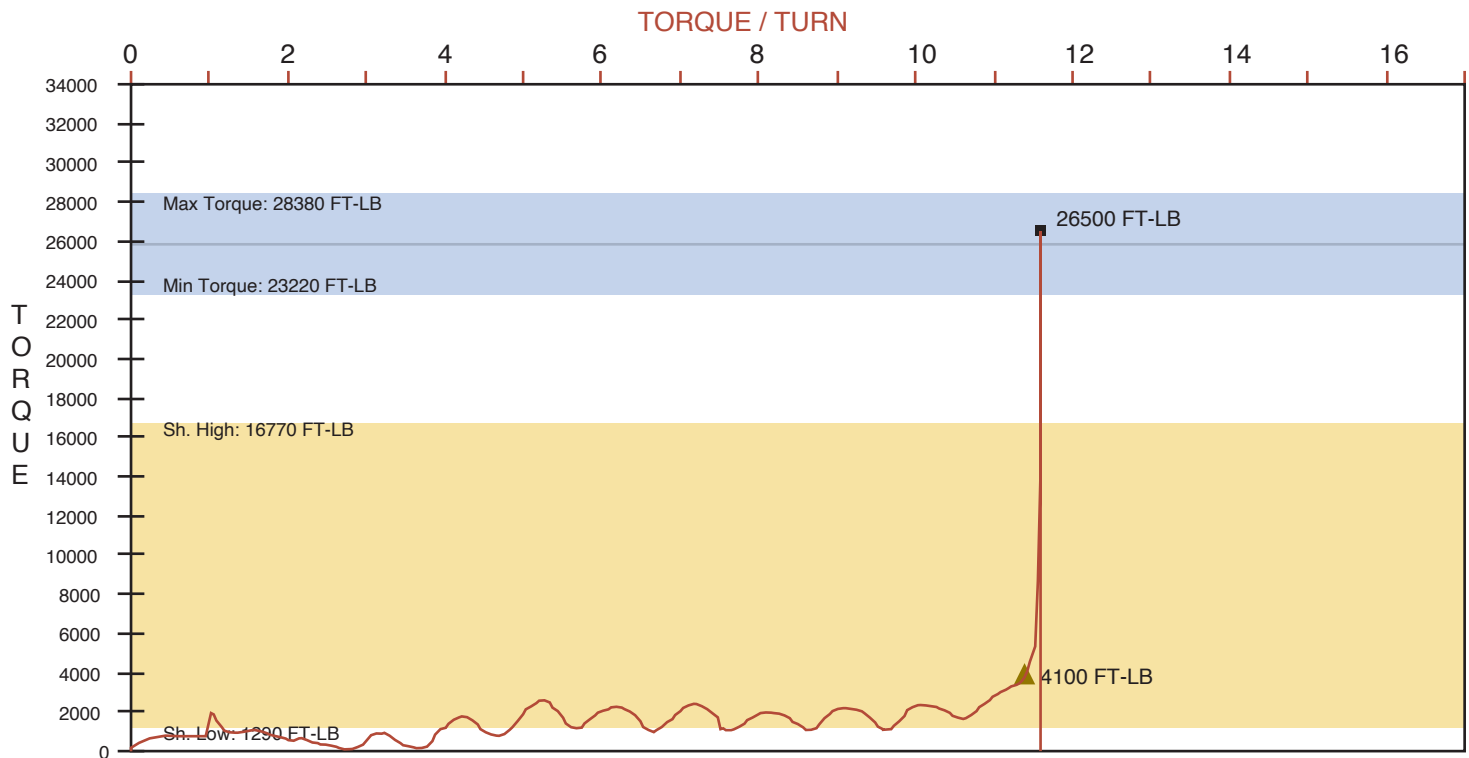
Pipe Length: **78.589 ft**Cumulative Length: **78.589 ft**Cumulative Weight: **3693.683 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **25520 FT-LB**▲ Shoulder Torque: **4280 FT-LB**Final Turns: **10.532**Shoulder Turns: **10.33**Max RPM: **24.330**Shoulder RPM: **7.74**Delta Torque: **21240 FT-LB**Shoulder Slope: **4.086**Delta Turns: **0.202****Notes: Joint 2 (FC & joint 1 bucked up on ground)**

**Joint #: 2****Count #: 2**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 7:18:14 PM**

Heat/Lot#:

Pipe Length: **40.246 ft**Cumulative Length: **118.835 ft**Cumulative Weight: **5585.245 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26500 FT-LB**▲ Shoulder Torque: **4100 FT-LB**Final Turns: **11.602**Shoulder Turns: **11.392**Max RPM: **18.930**Shoulder RPM: **3.33**Delta Torque: **22400 FT-LB**Shoulder Slope: **4.144**Delta Turns: **0.210****Notes: FC & Joint 3**

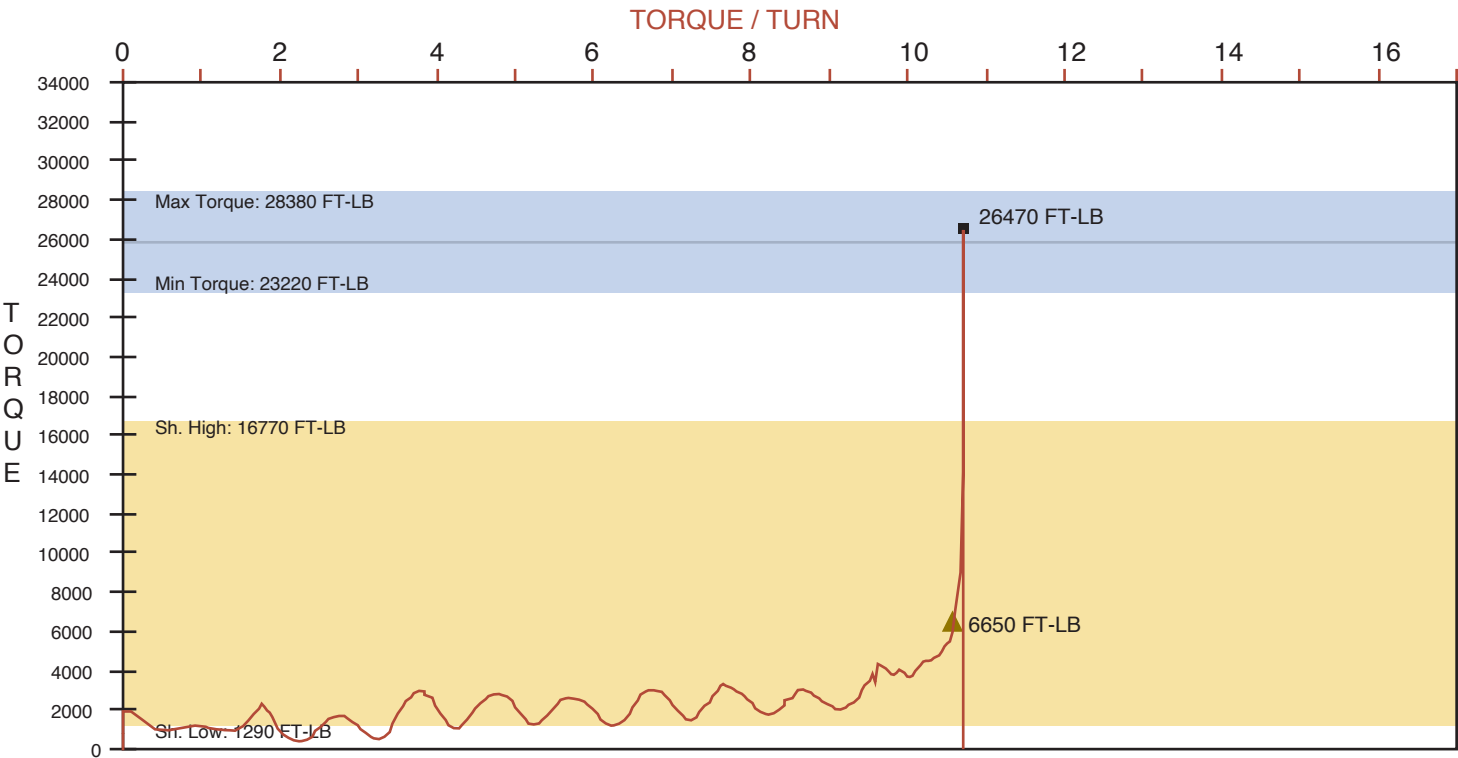
Joint #: 3

Count #: 3

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 7:31:07 PM	Heat/Lot#:	
Pipe Length:	34.324 ft		
Cumulative Length:	153.159 ft		
Cumulative Weight:	7198.473 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26470 FT-LB	▲ Shoulder Torque:	6650 FT-LB
Final Turns:	10.708	Shoulder Turns:	10.577
Max RPM:	19.140	Shoulder RPM:	7.47
Delta Torque:	19820 FT-LB	Shoulder Slope:	5.842
Delta Turns:	0.132		

Notes: Joint 4



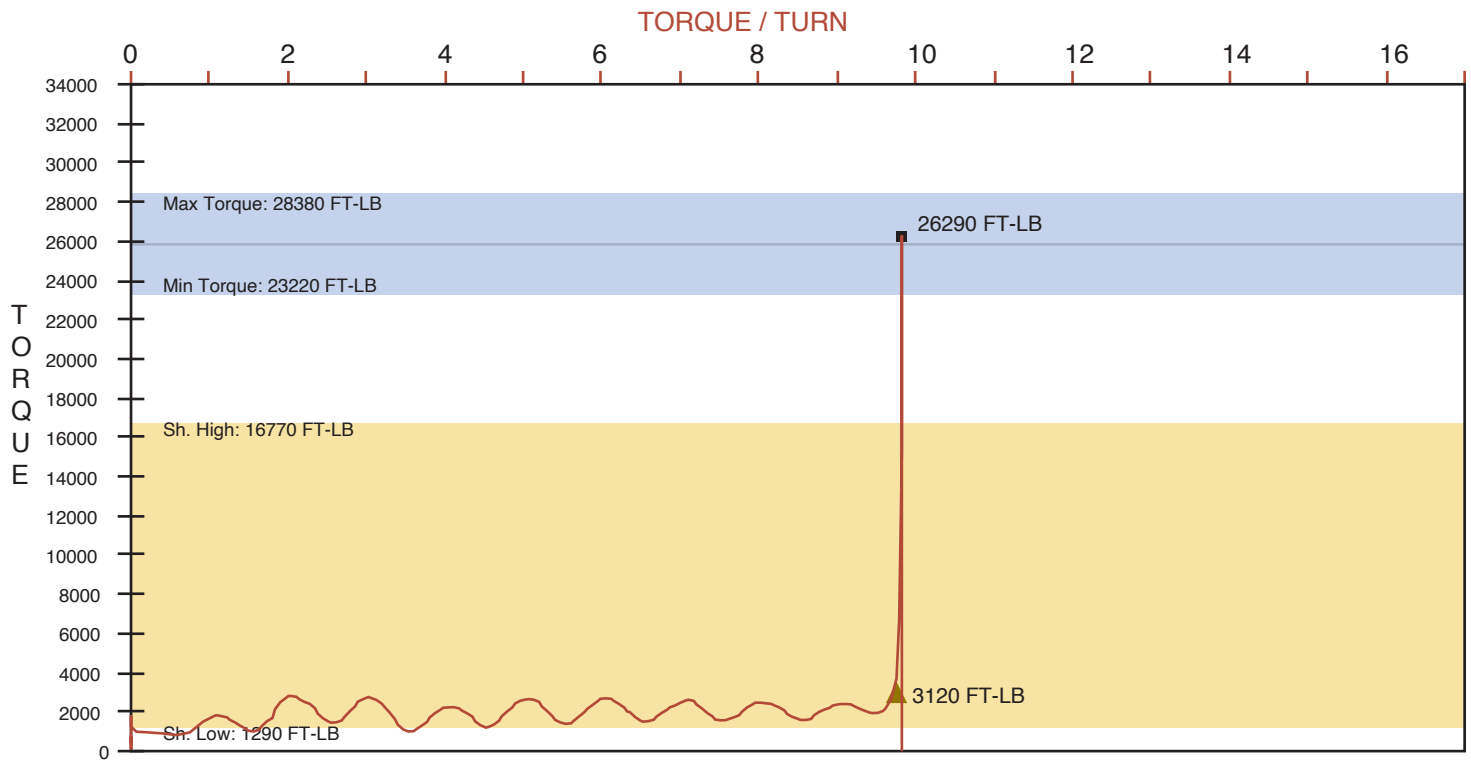


**Joint #: 4****Count #: 4**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 7:39:47 PM**

Heat/Lot#:

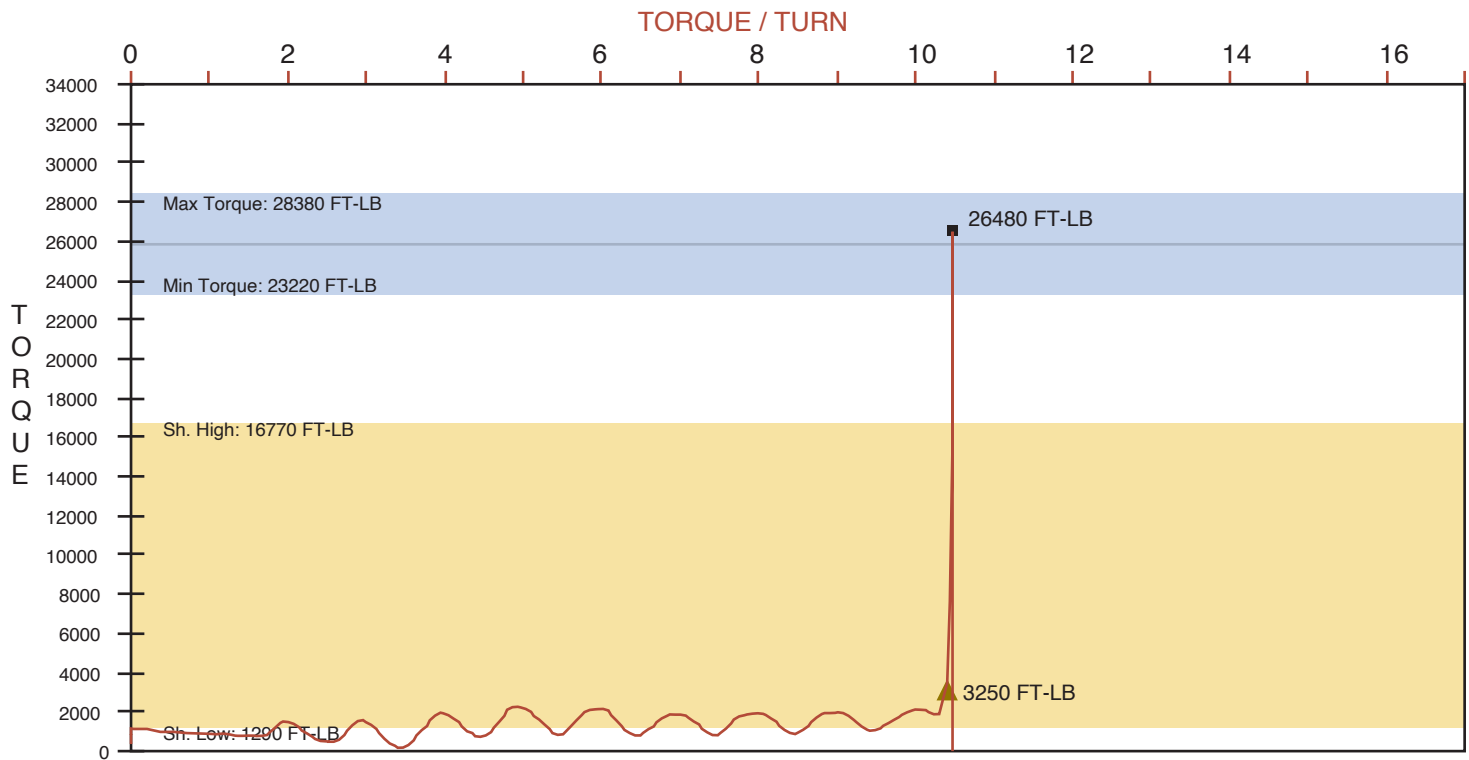
Pipe Length: **37.228 ft**Cumulative Length: **190.387 ft**Cumulative Weight: **8948.189 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26290 FT-LB**▲ Shoulder Torque: **3120 FT-LB**Final Turns: **9.833**Shoulder Turns: **9.73**Max RPM: **18.75**Shoulder RPM: **0**Delta Torque: **23170 FT-LB**Shoulder Slope: **8.719**Delta Turns: **0.103****Notes: Joint 5**

**Joint #: 5****Count #: 5**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 7:48:04 PM**

Heat/Lot#:

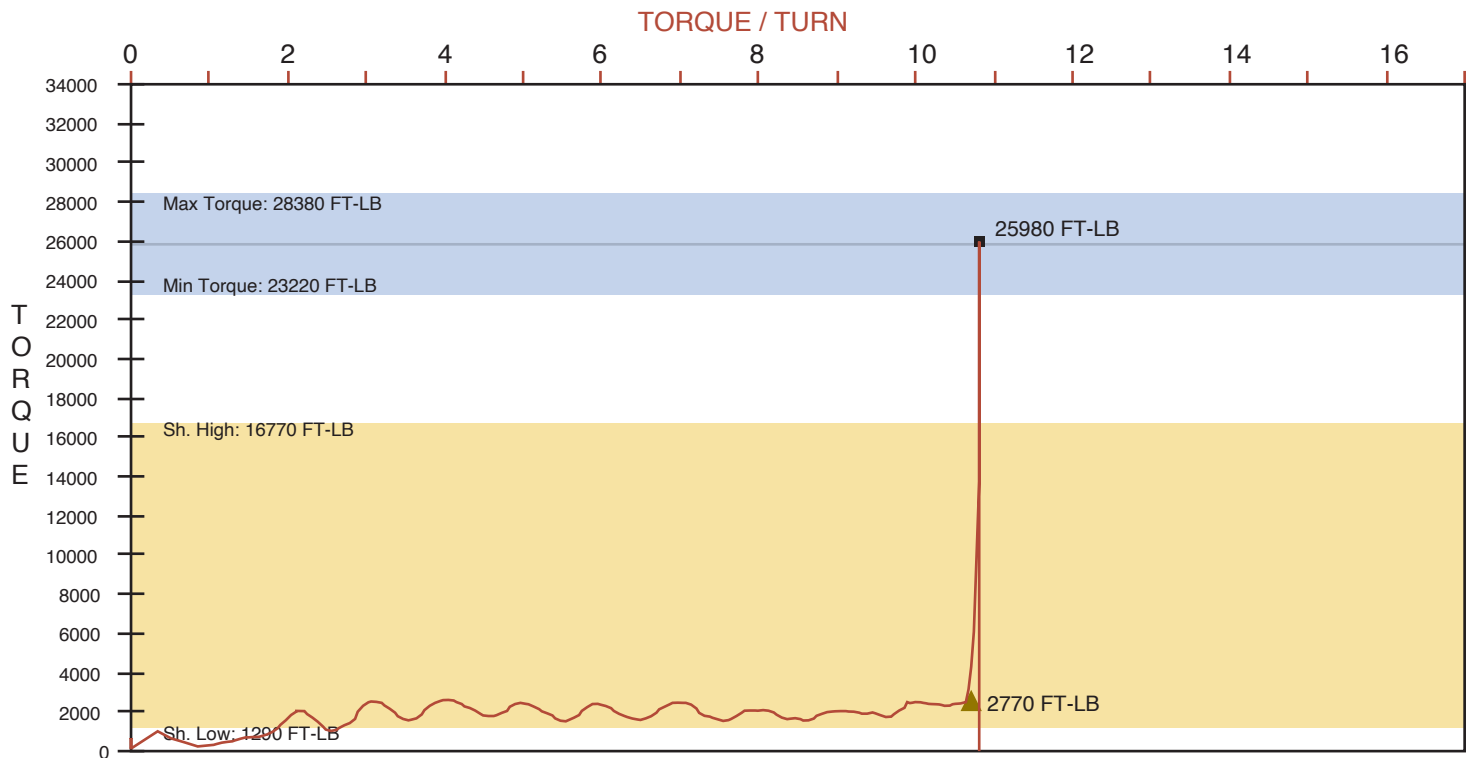
Pipe Length: **36.916 ft**Cumulative Length: **227.303 ft**Cumulative Weight: **10683.241 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26480 FT-LB**▲ Shoulder Torque: **3250 FT-LB**Final Turns: **10.474**Shoulder Turns: **10.378**Max RPM: **18.960**Shoulder RPM: **0**Delta Torque: **23230 FT-LB**Shoulder Slope: **9.330**Delta Turns: **0.096****Notes: Joint 6**

**Joint #: 6****Count #: 6**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 7:54:26 PM**

Heat/Lot#:

Pipe Length: **37.949 ft**Cumulative Length: **265.252 ft**Cumulative Weight: **12466.844 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **25980 FT-LB**▲ Shoulder Torque: **2770 FT-LB**Final Turns: **10.806**Shoulder Turns: **10.692**Max RPM: **18.870**Shoulder RPM: **0.06**Delta Torque: **23210 FT-LB**Shoulder Slope: **7.926**Delta Turns: **0.114****Notes: Joint 7**

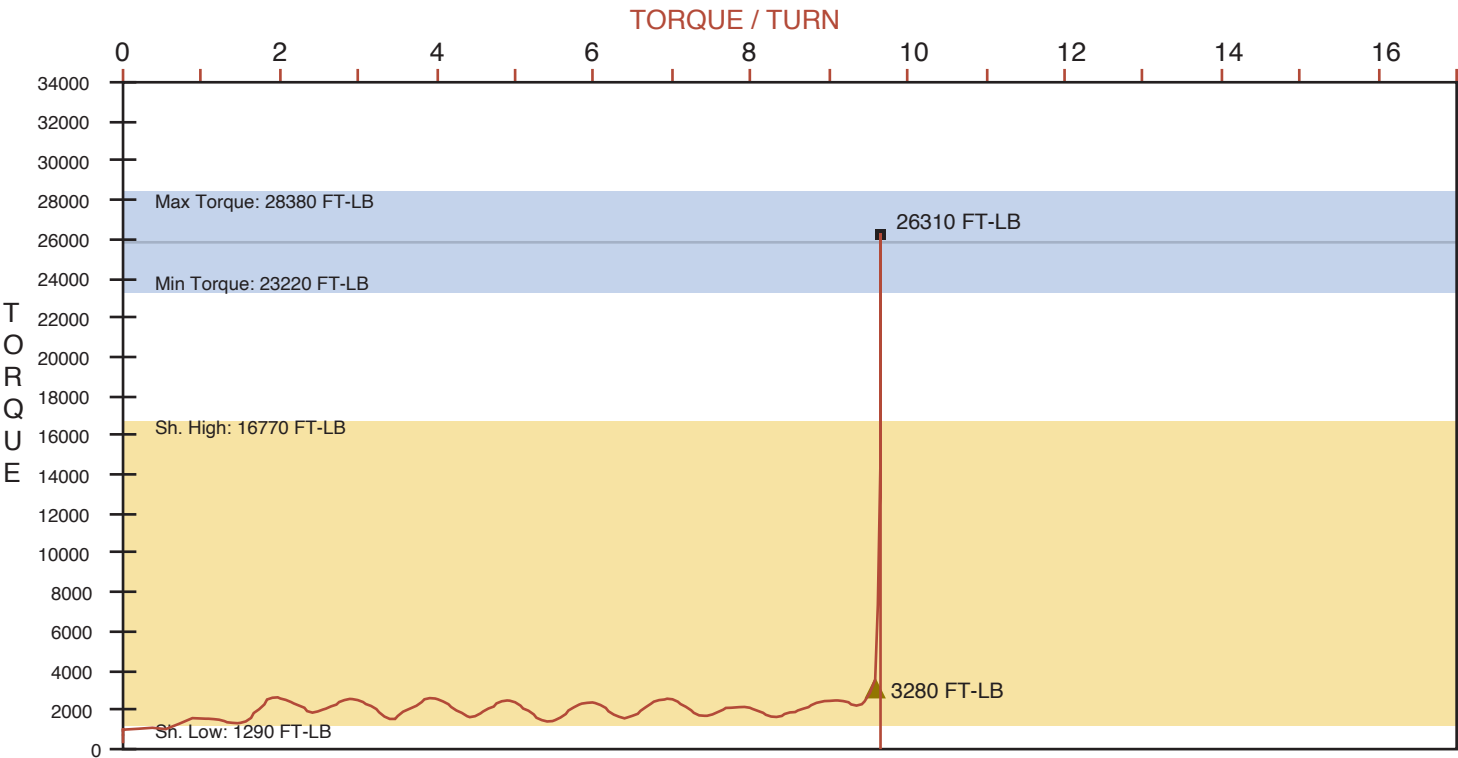
Joint #: 7

Count #: 7

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 8:01:10 PM	Heat/Lot#:	
Pipe Length:	37.490 ft		
Cumulative Length:	302.742 ft		
Cumulative Weight:	14228.874 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26310 FT-LB	▲ Shoulder Torque:	3280 FT-LB
Final Turns:	9.662	Shoulder Turns:	9.552
Max RPM:	17.610	Shoulder RPM:	0
Delta Torque:	23030 FT-LB	Shoulder Slope:	8.078
Delta Turns:	0.110		

Notes: Joint 8



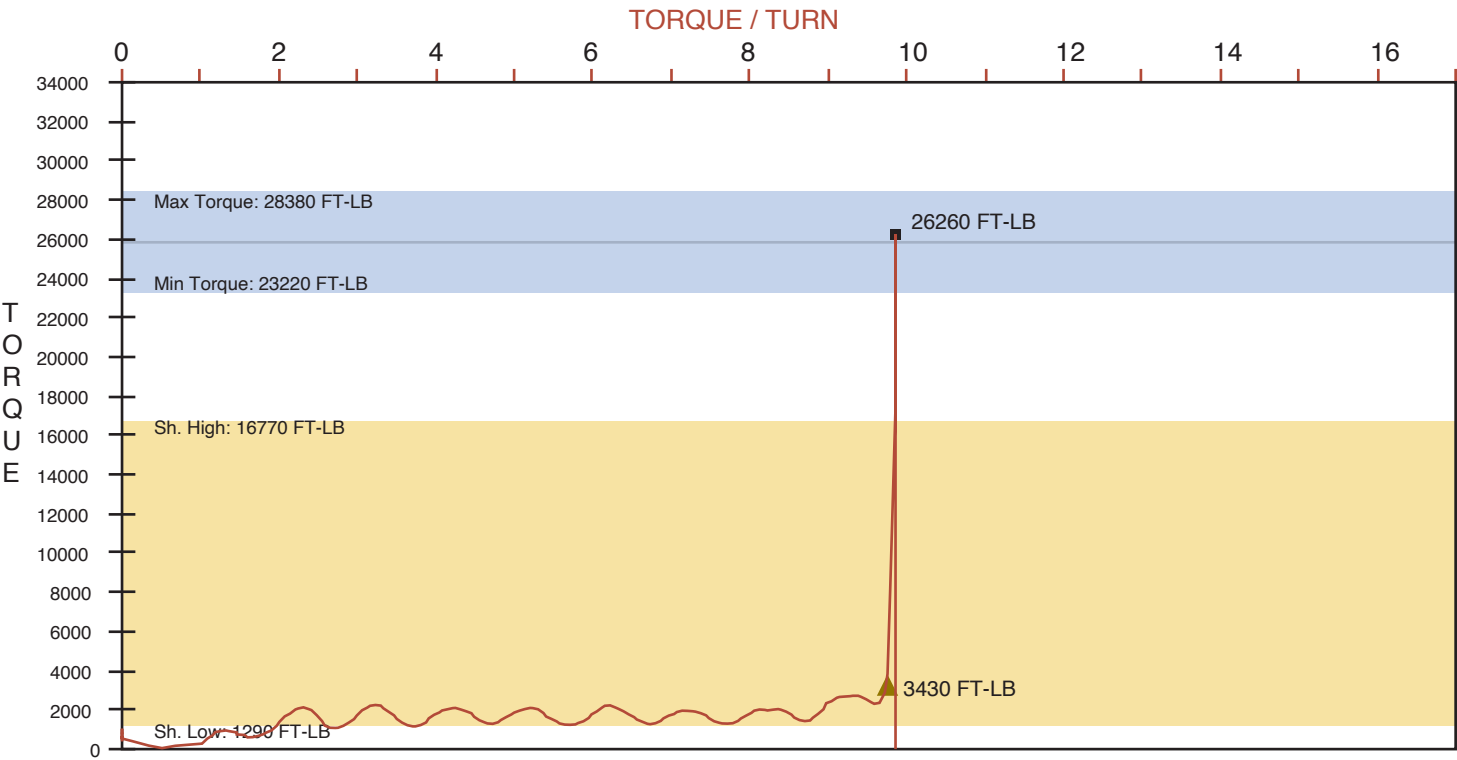
Joint #: 8

Count #: 8

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 8:07:05 PM	Heat/Lot#:	
Pipe Length:	36.654 ft		
Cumulative Length:	339.396 ft		
Cumulative Weight:	15951.612 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

Final Torque:	26260 FT-LB	Shoulder Torque:	3430 FT-LB
Final Turns:	9.848	Shoulder Turns:	9.744
Max RPM:	19.230	Shoulder RPM:	0
Delta Torque:	22830 FT-LB	Shoulder Slope:	8.508
Delta Turns:	0.104		

Notes: Joint 9

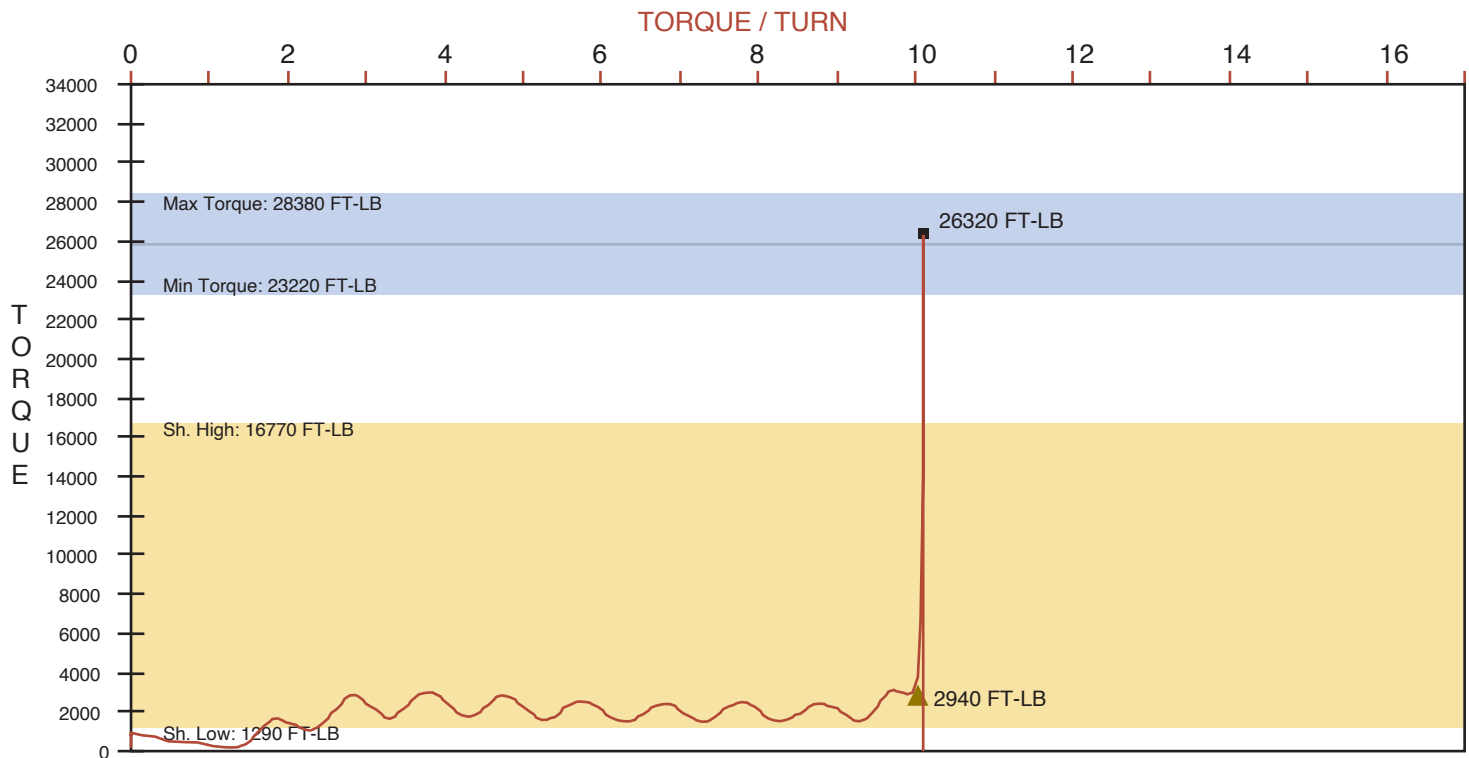


**Joint #: 9****Count #: 9**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 8:13:34 PM**

Heat/Lot#:

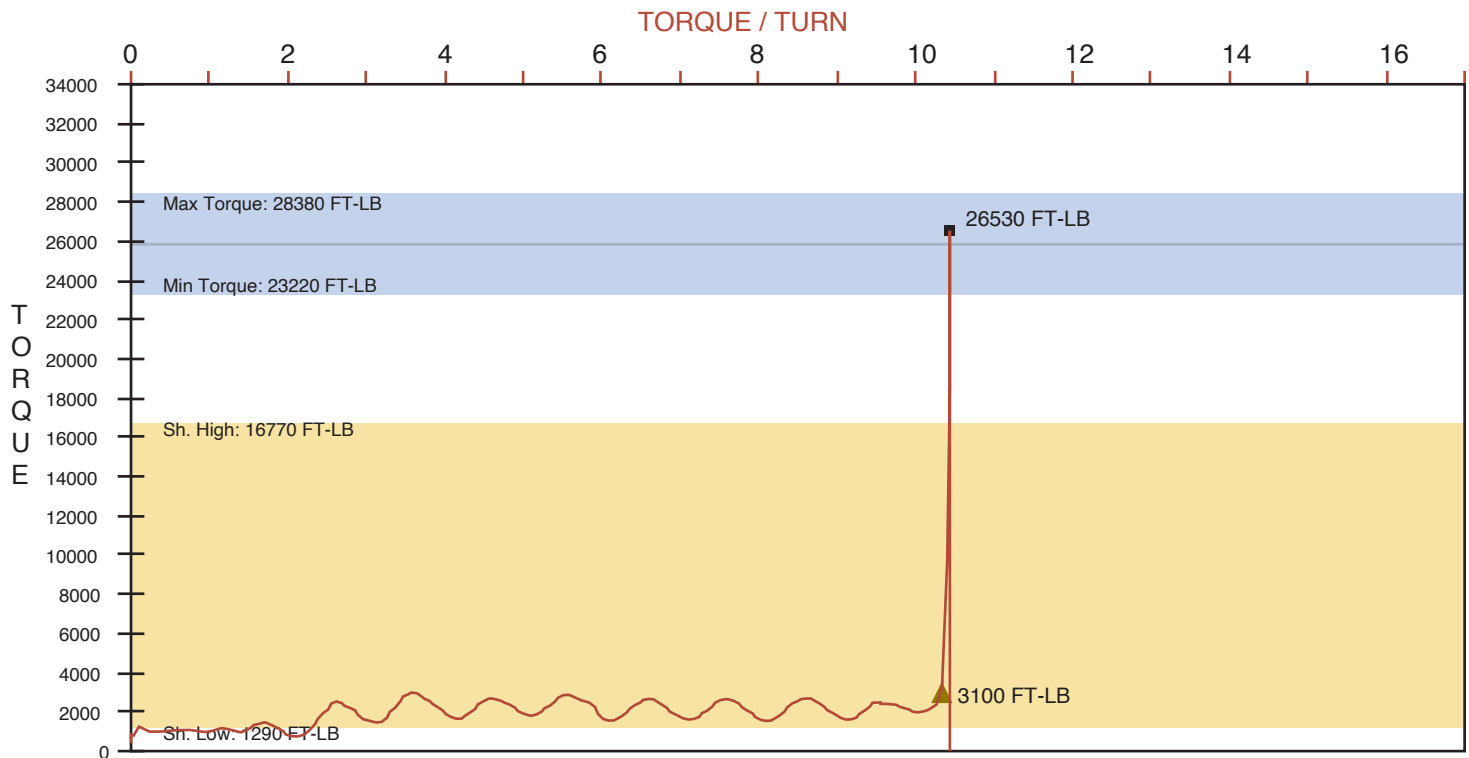
Pipe Length: **37.900 ft**Cumulative Length: **377.296 ft**Cumulative Weight: **17732.912 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26320 FT-LB**▲ Shoulder Torque: **2940 FT-LB**Final Turns: **10.102**Shoulder Turns: **9.992**Max RPM: **18.600**Shoulder RPM: **0**Delta Torque: **23380 FT-LB**Shoulder Slope: **8.201**Delta Turns: **0.110****Notes: Joint 10**

**Joint #: 10****Count #: 10**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 8:19:40 PM**

Heat/Lot#:

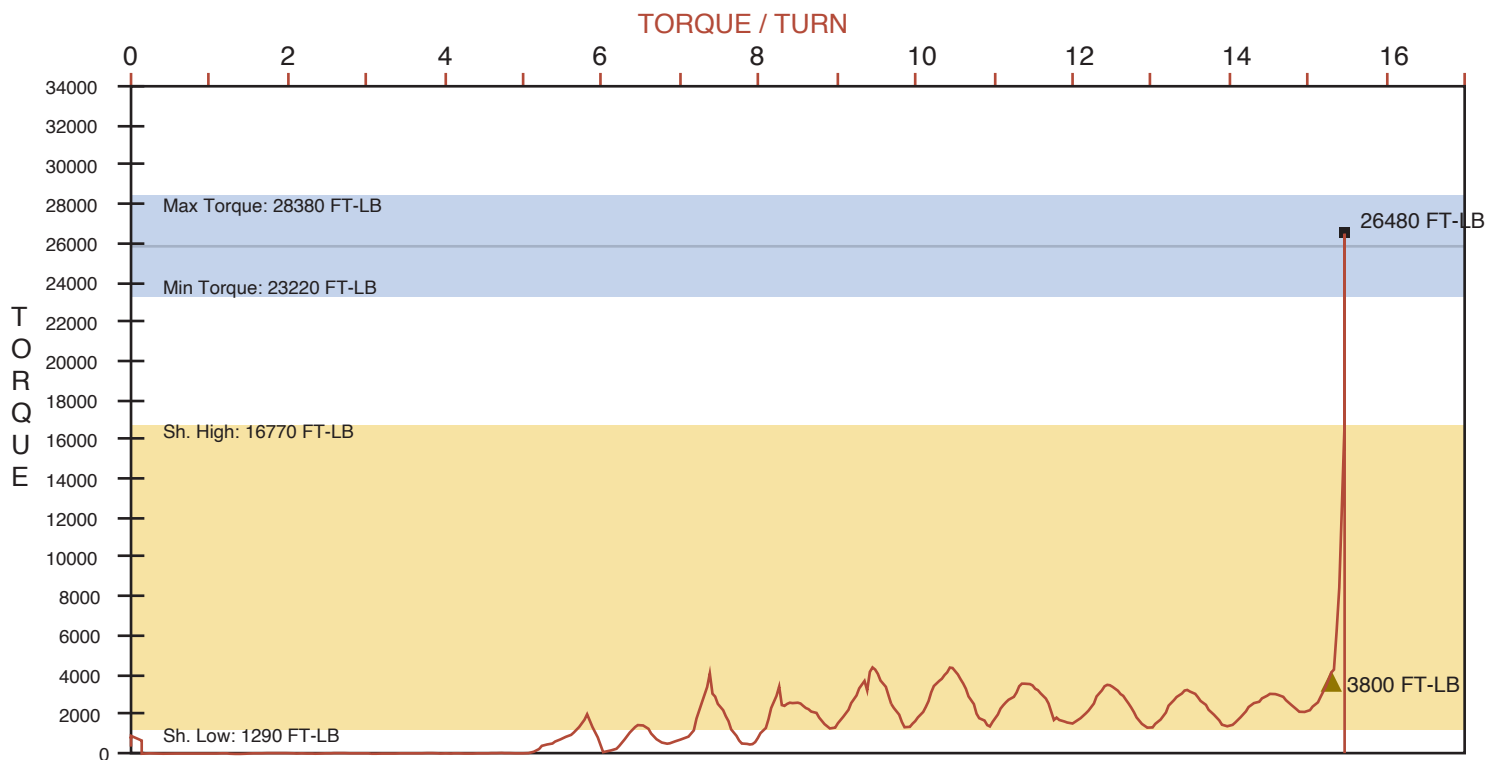
Pipe Length: **36.490 ft**Cumulative Length: **413.786 ft**Cumulative Weight: **19447.942 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26530 FT-LB**▲ Shoulder Torque: **3100 FT-LB**Final Turns: **10.432**Shoulder Turns: **10.323**Max RPM: **18.840**Shoulder RPM: **0**Delta Torque: **23430 FT-LB**Shoulder Slope: **8.332**Delta Turns: **0.109****Notes: Joint 11**

**Joint #: 11****Count #: 11**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 8:26:04 PM**

Heat/Lot#:

Pipe Length: **36.916 ft**Cumulative Length: **450.702 ft**Cumulative Weight: **21182.994 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26480 FT-LB**▲ Shoulder Torque: **3800 FT-LB**Final Turns: **15.469**Shoulder Turns: **15.285**Max RPM: **19.380**Shoulder RPM: **0.93**Delta Torque: **22680 FT-LB**Shoulder Slope: **4.778**Delta Turns: **0.184****Notes: Joint 12**

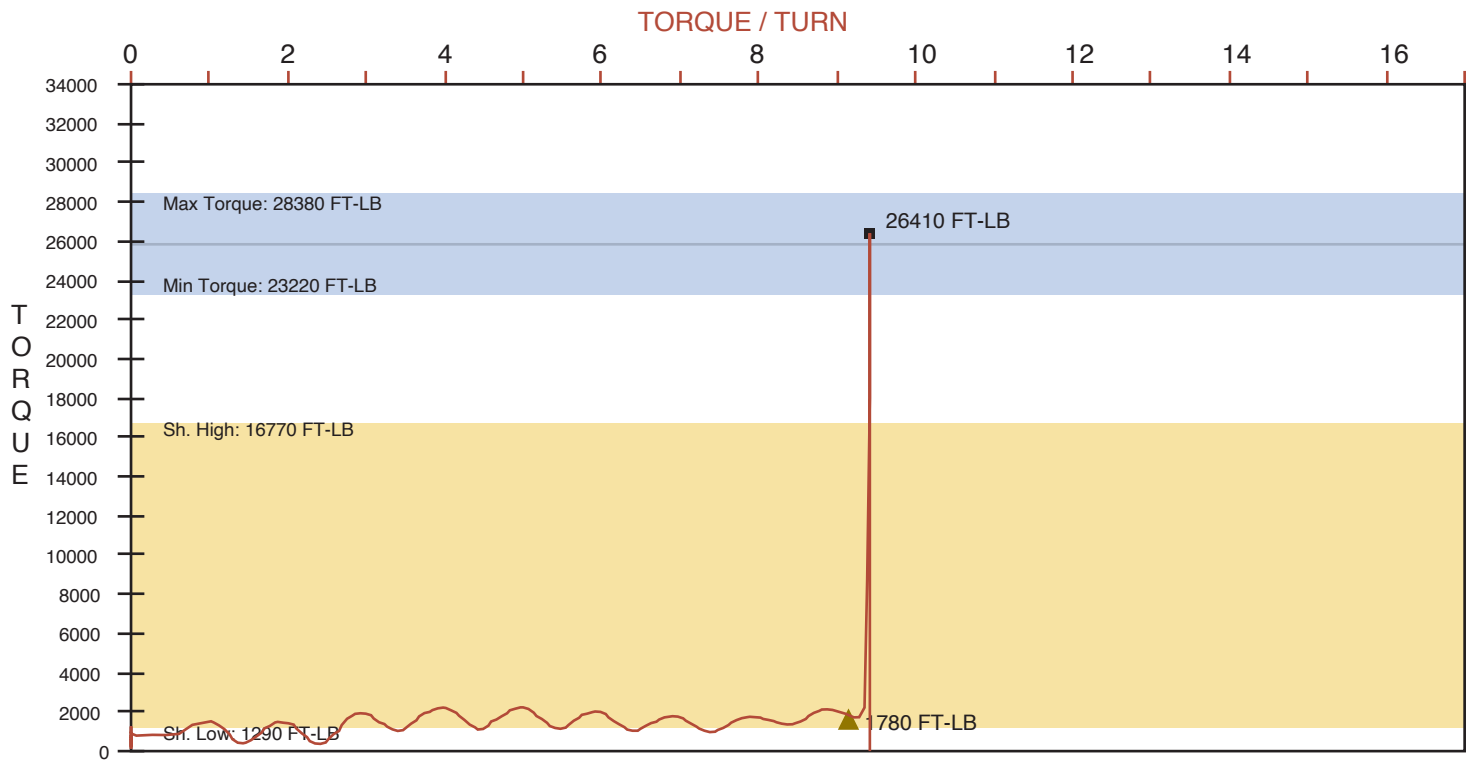


**Joint #: 12****Count #: 12**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 8:30:41 PM**

Heat/Lot#:

Pipe Length: **37.589 ft**Cumulative Length: **488.291 ft**Cumulative Weight: **22949.677 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26410 FT-LB**▲ Shoulder Torque: **1780 FT-LB**Final Turns: **9.433**Shoulder Turns: **9.16**Max RPM: **17.760**Shoulder RPM: **17.01**Delta Torque: **24630 FT-LB**Shoulder Slope: **3.497**Delta Turns: **0.273**Notes: **Joint 13**

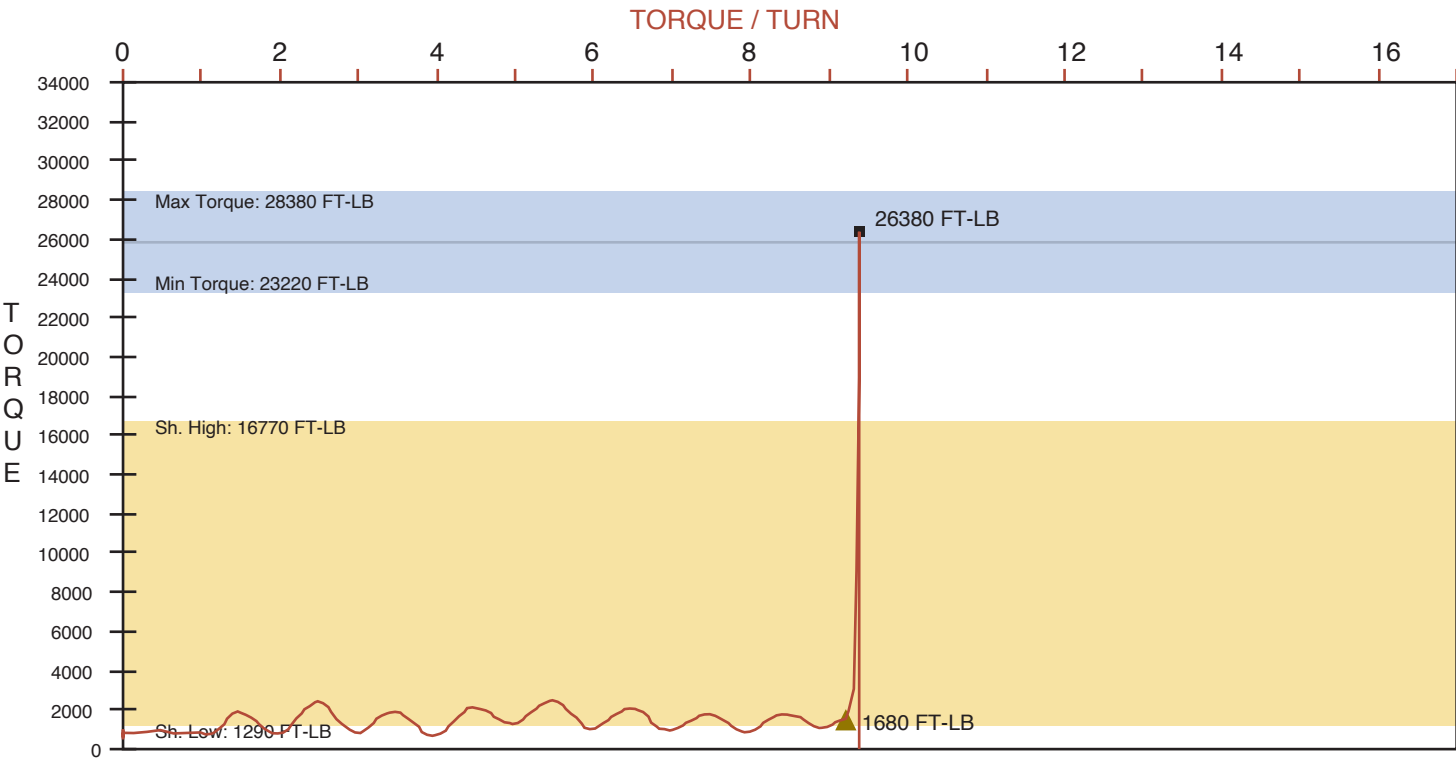
Joint #: 13

Count #: 13

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 8:34:37 PM	Heat/Lot#:	
Pipe Length:	37.812 ft		
Cumulative Length:	526.103 ft		
Cumulative Weight:	24726.841 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26380 FT-LB	▲ Shoulder Torque:	1680 FT-LB
Final Turns:	9.400	Shoulder Turns:	9.207
Max RPM:	17.760	Shoulder RPM:	17.22
Delta Torque:	24700 FT-LB	Shoulder Slope:	4.973
Delta Turns:	0.192		

Notes: Joint 14



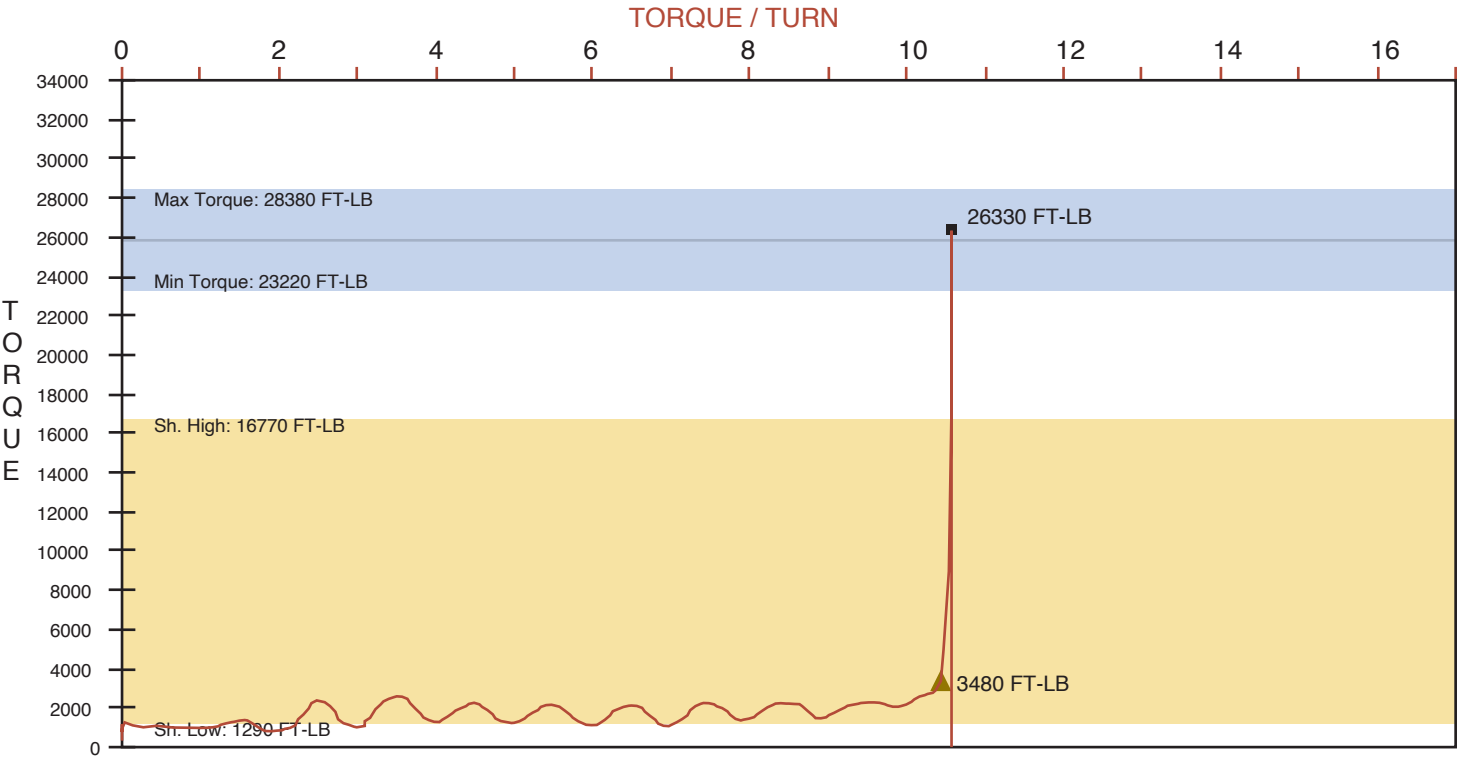
Joint #: 14

Count #: 14

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 8:39:13 PM	Heat/Lot#:	
Pipe Length:	37.146 ft		
Cumulative Length:	563.249 ft		
Cumulative Weight:	26472.703 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26330 FT-LB	▲ Shoulder Torque:	3480 FT-LB
Final Turns:	10.572	Shoulder Turns:	10.44
Max RPM:	18.870	Shoulder RPM:	0
Delta Torque:	22850 FT-LB	Shoulder Slope:	6.684
Delta Turns:	0.132		

Notes: Joint 15



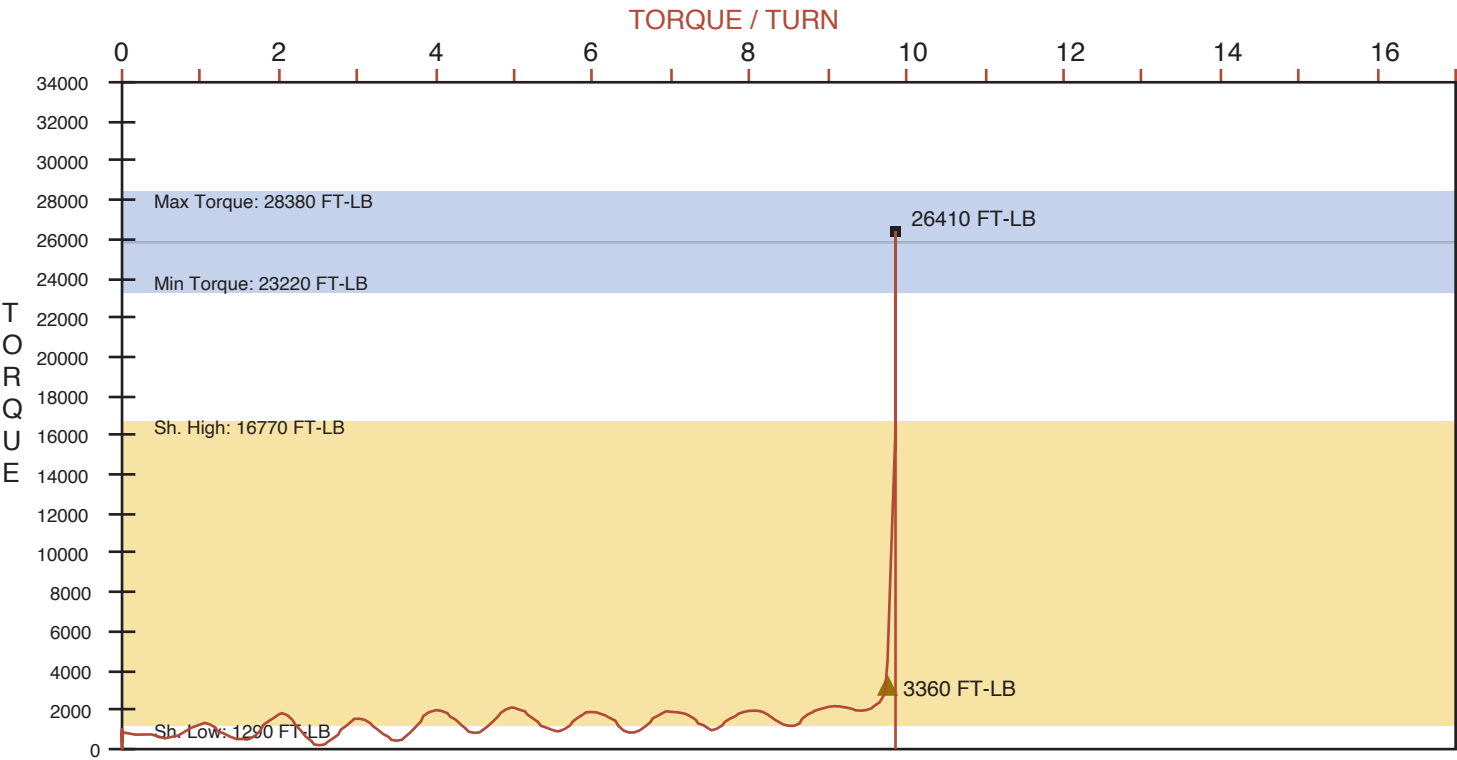
Joint #: 15

Count #: 15

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 8:43:32 PM	Heat/Lot#:	
Pipe Length:	38.261 ft		
Cumulative Length:	601.510 ft		
Cumulative Weight:	28270.970 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26410 FT-LB	▲ Shoulder Torque:	3360 FT-LB
Final Turns:	9.844	Shoulder Turns:	9.733
Max RPM:	17.850	Shoulder RPM:	0
Delta Torque:	23050 FT-LB	Shoulder Slope:	8.013
Delta Turns:	0.112		

Notes: Joint 16



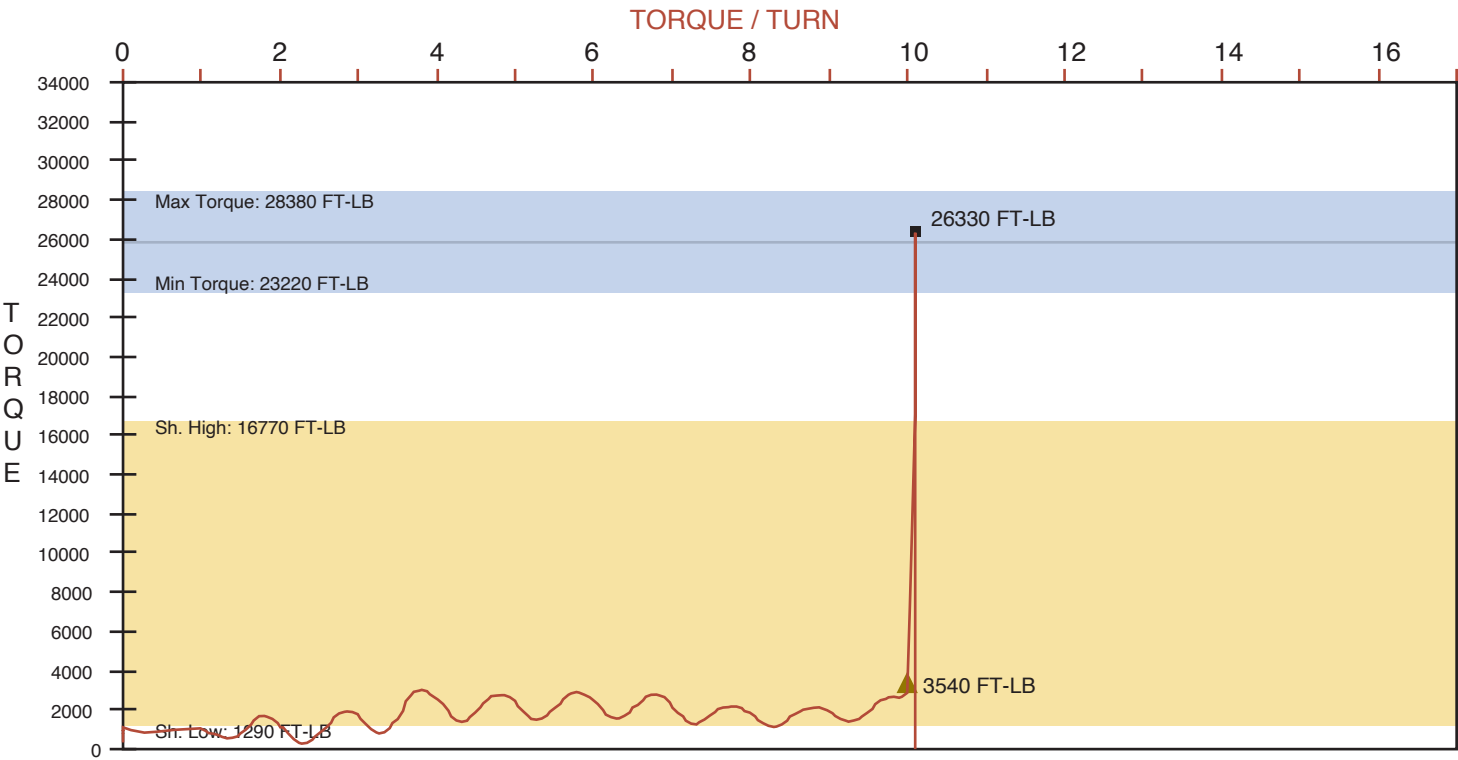
Joint #: 16

Count #: 16

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 8:47:22 PM	Heat/Lot#:	
Pipe Length:	35.948 ft		
Cumulative Length:	637.458 ft		
Cumulative Weight:	29960.526 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26330 FT-LB	▲ Shoulder Torque:	3540 FT-LB
Final Turns:	10.09	Shoulder Turns:	9.991
Max RPM:	19.050	Shoulder RPM:	0
Delta Torque:	22790 FT-LB	Shoulder Slope:	8.923
Delta Turns:	0.099		

Notes: Joint 17

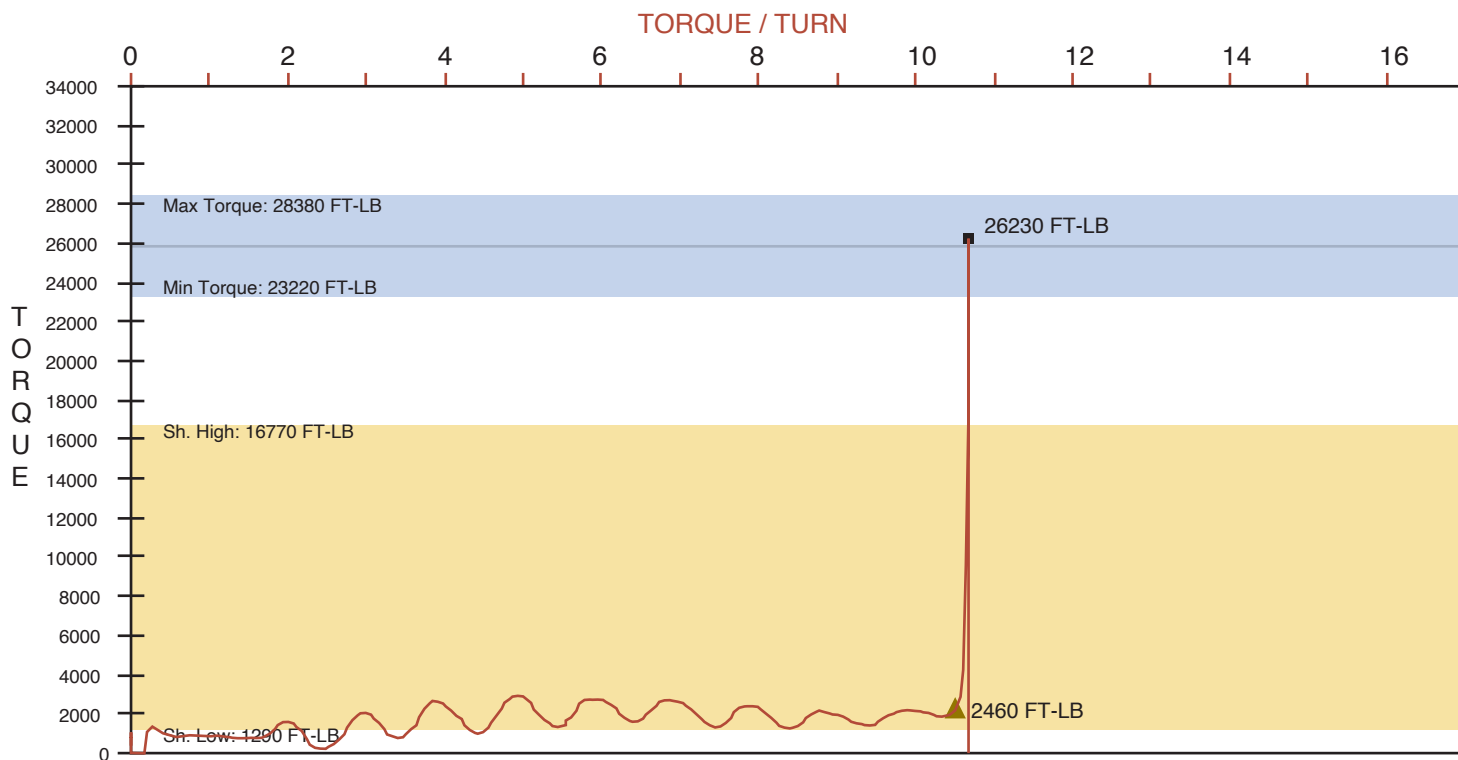


**Joint #: 17****Count #: 17**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 8:51:42 PM**

Heat/Lot#:

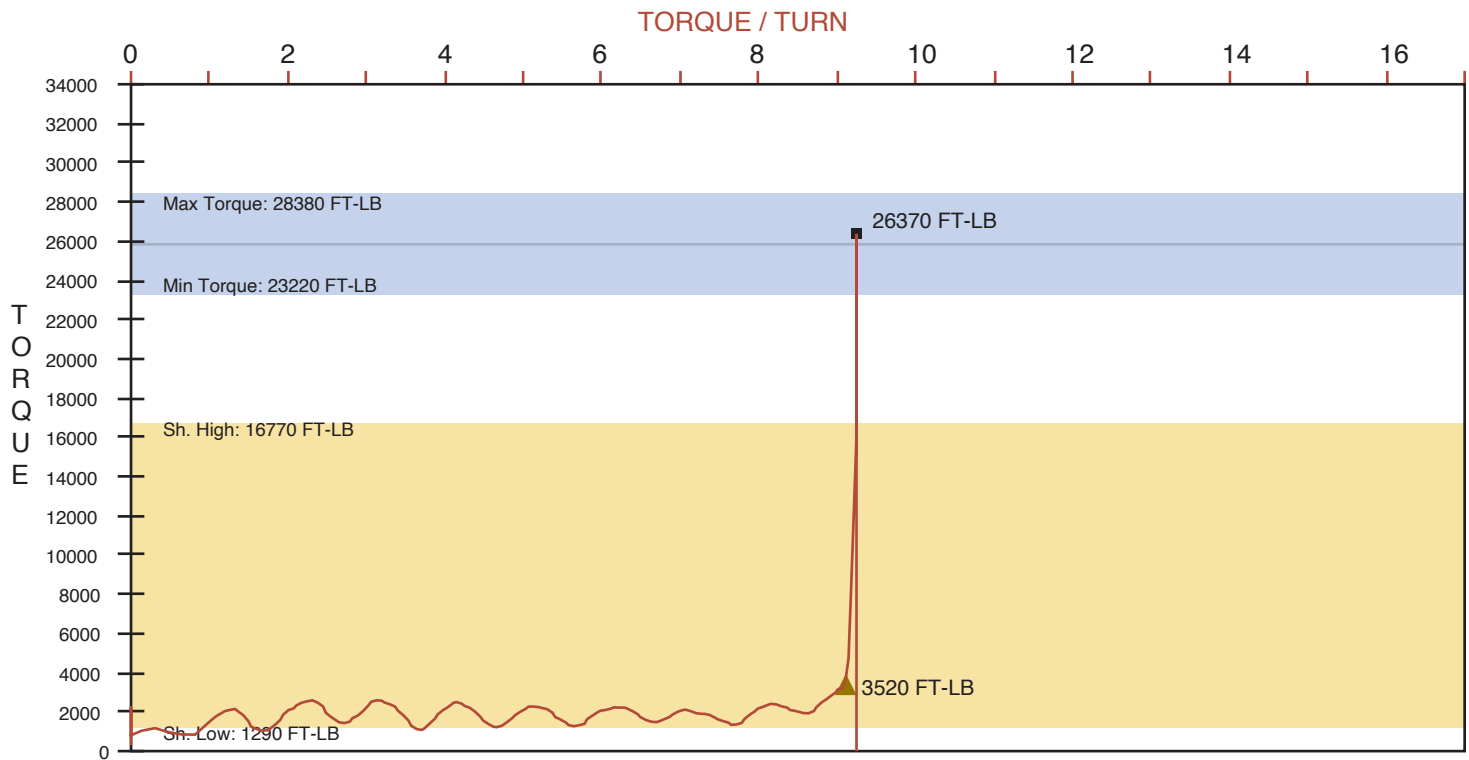
Pipe Length: **38.245 ft**Cumulative Length: **675.703 ft**Cumulative Weight: **31758.041 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26230 FT-LB**▲ Shoulder Torque: **2460 FT-LB**Final Turns: **10.684**Shoulder Turns: **10.51**Max RPM: **18.930**Shoulder RPM: **17.22**Delta Torque: **23770 FT-LB**Shoulder Slope: **5.310**Delta Turns: **0.174****Notes: Joint 18**

**Joint #: 18****Count #: 18**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 8:55:50 PM**

Heat/Lot#:

Pipe Length: **38.294 ft**Cumulative Length: **713.997 ft**Cumulative Weight: **33557.859 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26370 FT-LB**▲ Shoulder Torque: **3520 FT-LB**Final Turns: **9.245**Shoulder Turns: **9.108**Max RPM: **18.75**Shoulder RPM: **0.15**Delta Torque: **22850 FT-LB**Shoulder Slope: **6.465**Delta Turns: **0.137****Notes: Joint 19**

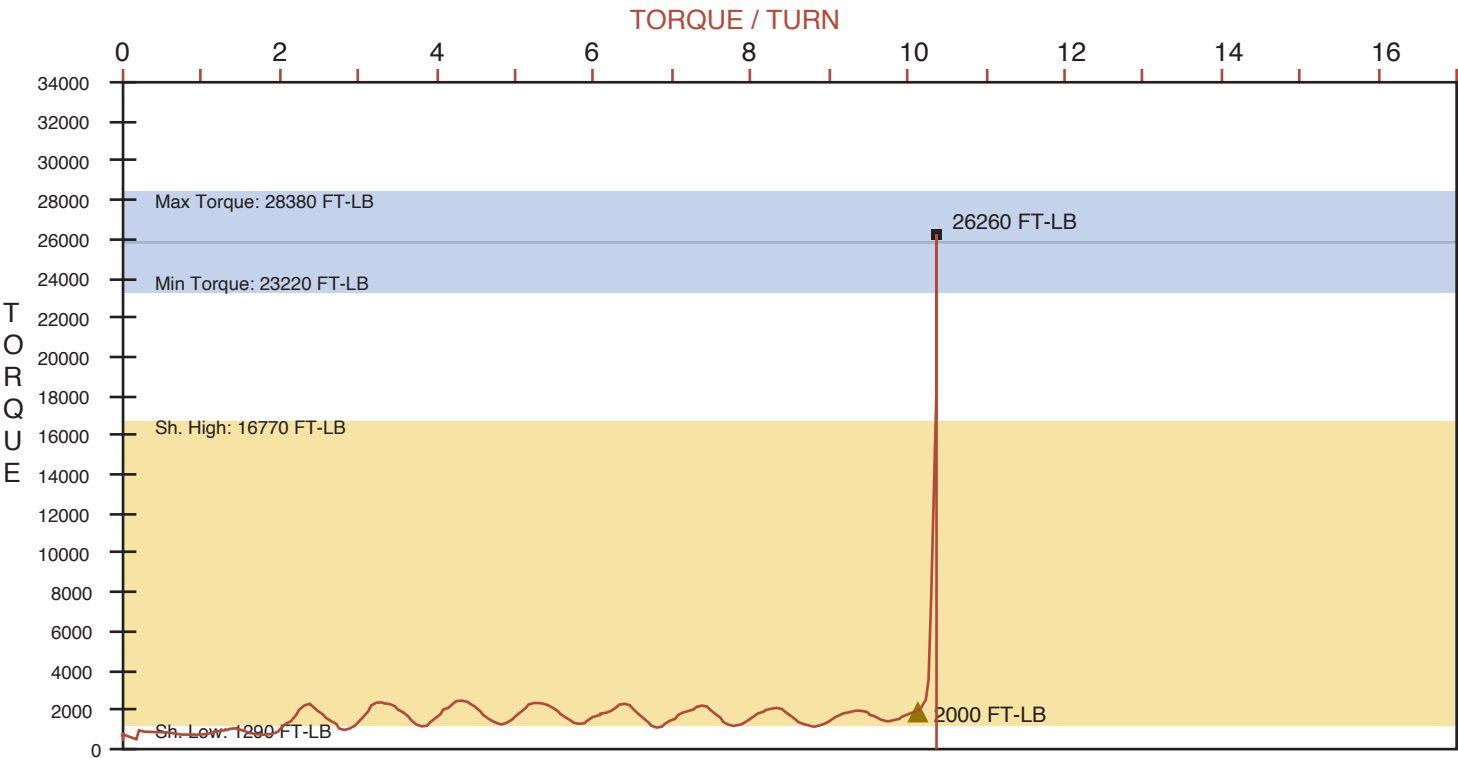
Joint #: 19

Count #: 19

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 8:59:41 PM	Heat/Lot#:	
Pipe Length:	36.818 ft		
Cumulative Length:	750.815 ft		
Cumulative Weight:	35288.305 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26260 FT-LB	▲ Shoulder Torque:	2000 FT-LB
Final Turns:	10.355	Shoulder Turns:	10.117
Max RPM:	19.140	Shoulder RPM:	17.37
Delta Torque:	24260 FT-LB	Shoulder Slope:	3.951
Delta Turns:	0.238		

Notes: Joint 20



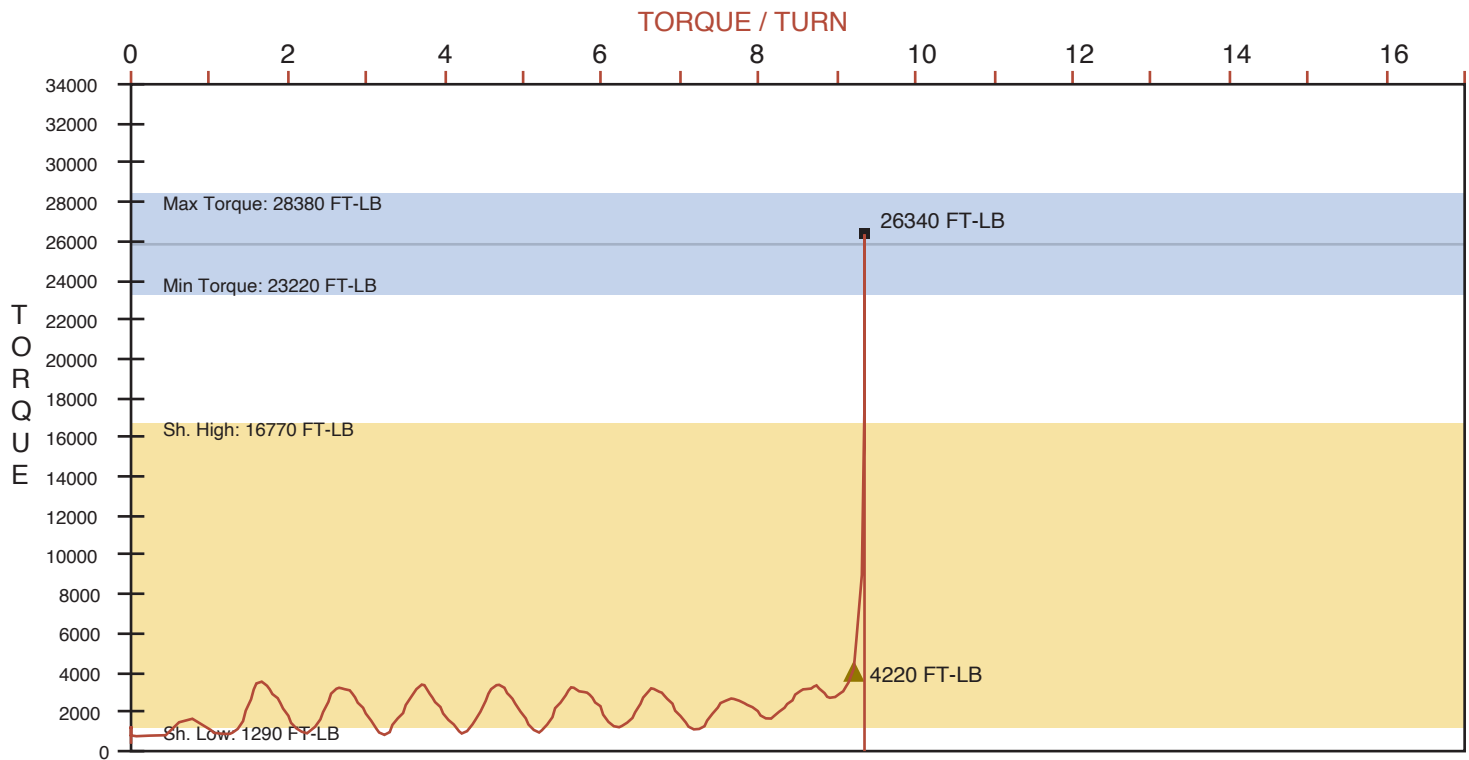


**Joint #: 20****Count #: 20**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 9:03:45 PM**

Heat/Lot#:

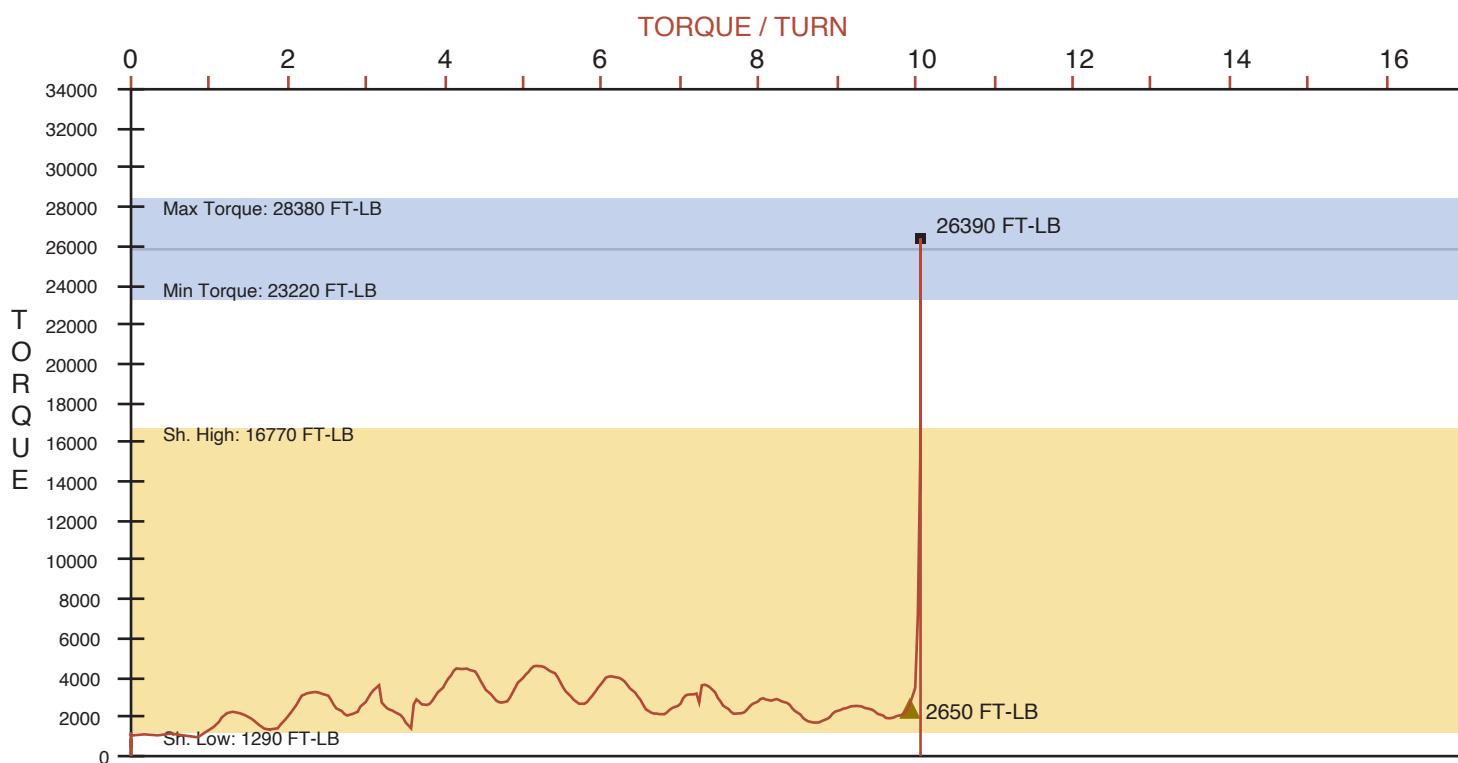
Pipe Length: **38.268 ft**Cumulative Length: **789.083 ft**Cumulative Weight: **37086.901 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26340 FT-LB**▲ Shoulder Torque: **4220 FT-LB**Final Turns: **9.350**Shoulder Turns: **9.188**Max RPM: **19.140**Shoulder RPM: **4.53**Delta Torque: **22120 FT-LB**Shoulder Slope: **5.309**Delta Turns: **0.162****Notes: Joint 21**

**Joint #: 21****Count #: 21**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 9:09:03 PM**

Heat/Lot#:

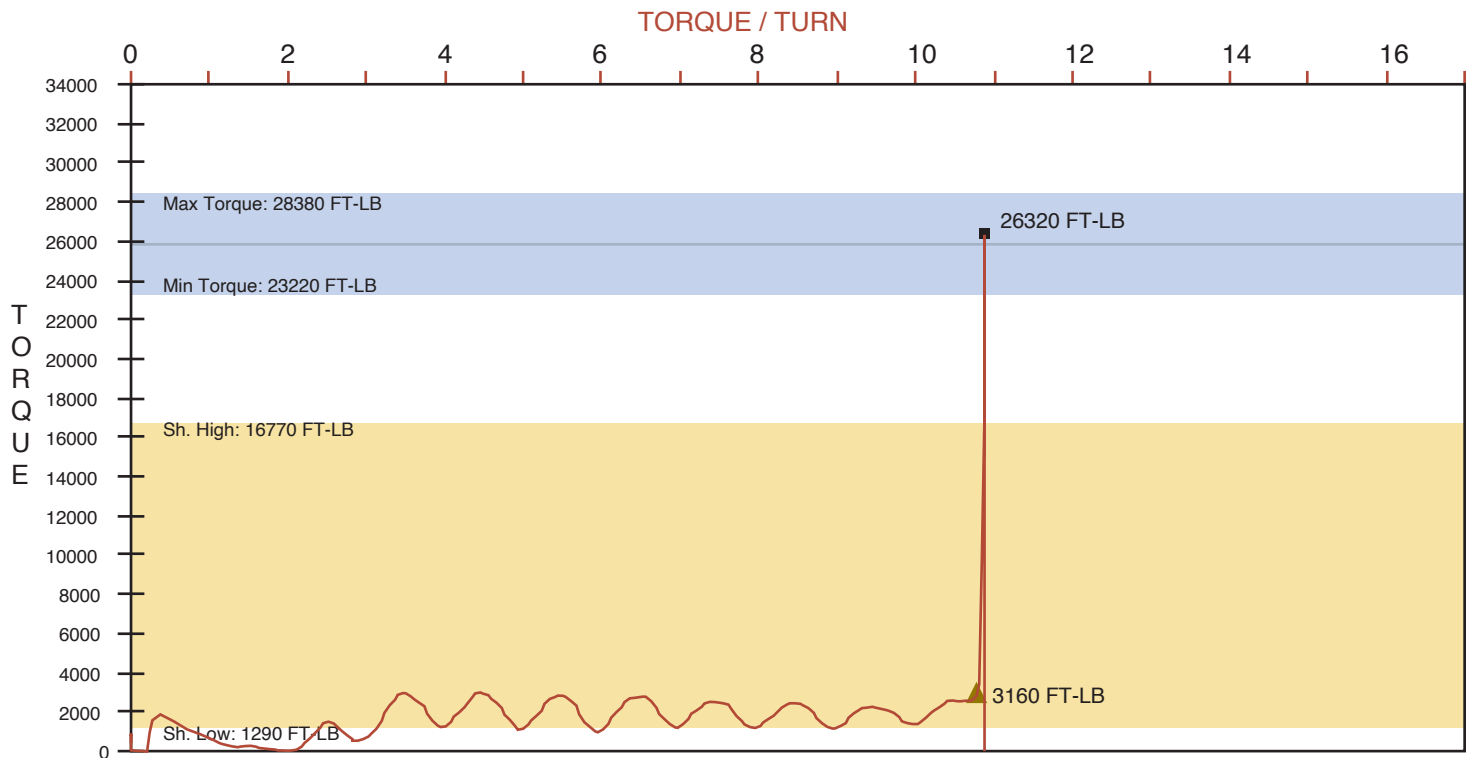
Pipe Length: **36.440 ft**Cumulative Length: **825.523 ft**Cumulative Weight: **38799.581 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26390 FT-LB**▲ Shoulder Torque: **2650 FT-LB**Final Turns: **10.079**Shoulder Turns: **9.912**Max RPM: **18.870**Shoulder RPM: **8.28**Delta Torque: **23740 FT-LB**Shoulder Slope: **5.510**Delta Turns: **0.167**Notes: **Joint 22**

**Joint #: 22****Count #: 22**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 9:12:48 PM**

Heat/Lot#:

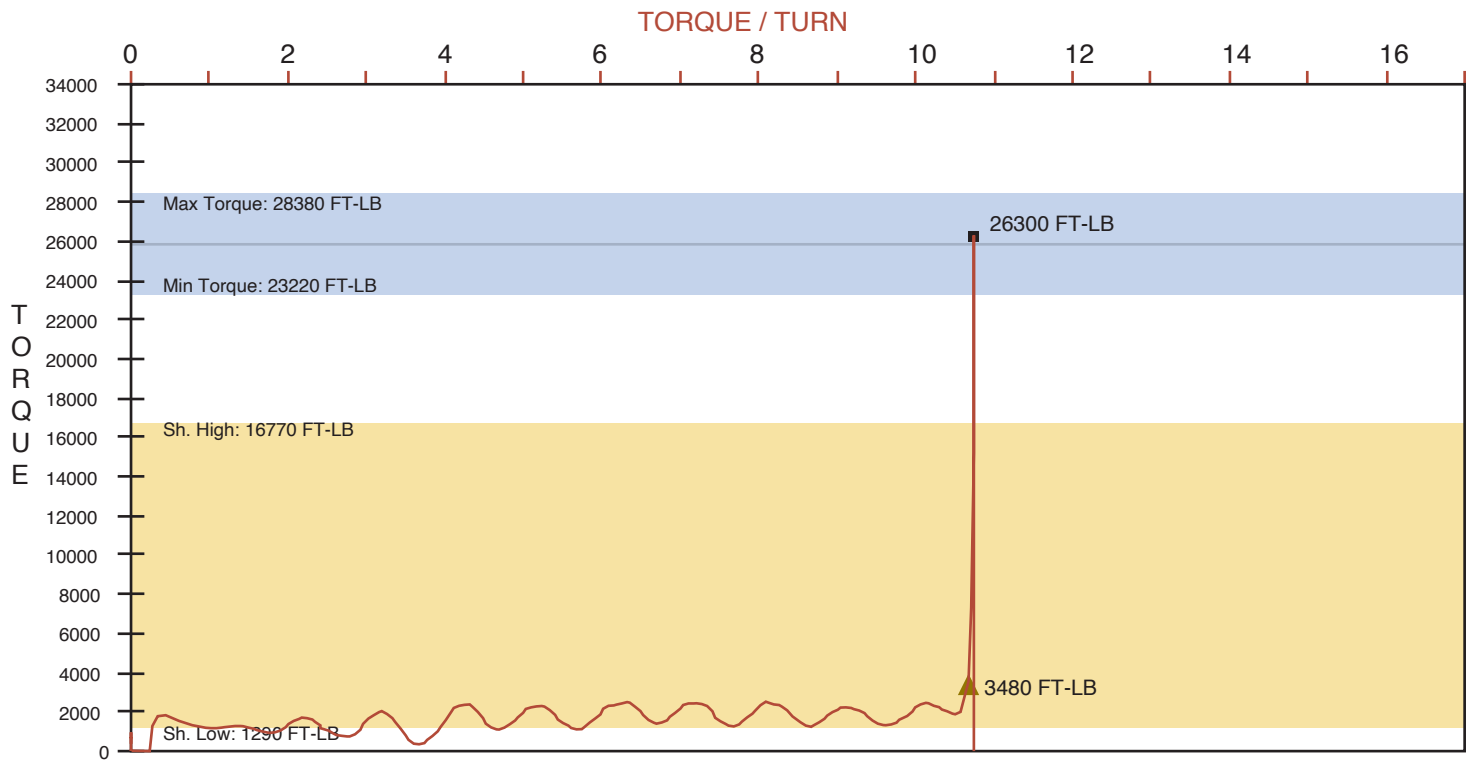
Pipe Length: **37.851 ft**Cumulative Length: **863.374 ft**Cumulative Weight: **40578.578 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26320 FT-LB**▲ Shoulder Torque: **3160 FT-LB**Final Turns: **10.888**Shoulder Turns: **10.748**Max RPM: **17.820**Shoulder RPM: **16.56**Delta Torque: **23160 FT-LB**Shoulder Slope: **6.412**Delta Turns: **0.14****Notes: Joint 23**

**Joint #: 23****Count #: 23**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 9:18:29 PM**

Heat/Lot#:

Pipe Length: **38.261 ft**Cumulative Length: **901.635 ft**Cumulative Weight: **42376.845 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26300 FT-LB**▲ Shoulder Torque: **3480 FT-LB**Final Turns: **10.760**Shoulder Turns: **10.658**Max RPM: **18.840**Shoulder RPM: **0**Delta Torque: **22820 FT-LB**Shoulder Slope: **8.714**Delta Turns: **0.102****Notes: Joint 24**

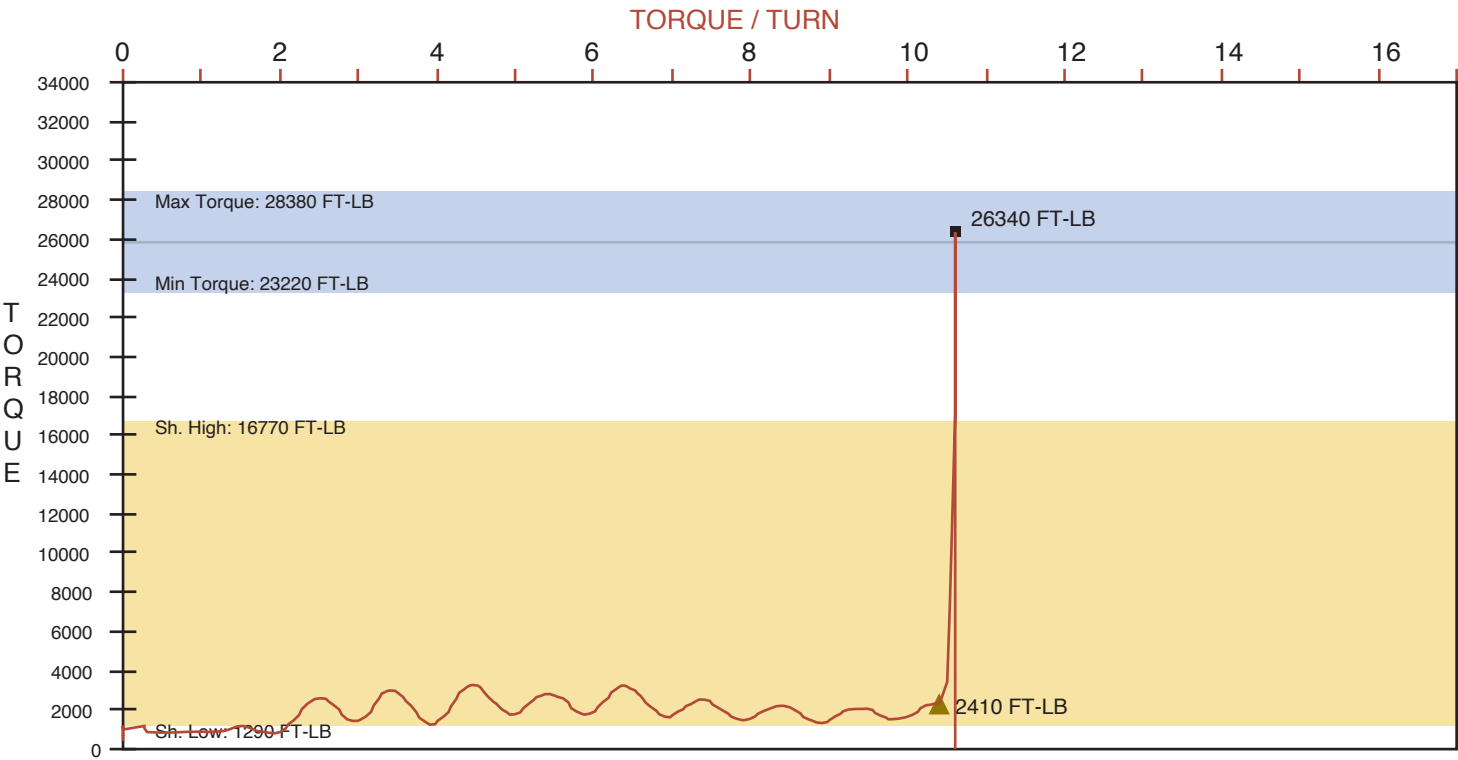
Joint #: 24

Count #: 24

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 9:22:23 PM	Heat/Lot#:	
Pipe Length:	38.278 ft		
Cumulative Length:	939.913 ft		
Cumulative Weight:	44175.911 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26340 FT-LB	▲ Shoulder Torque:	2410 FT-LB
Final Turns:	10.598	Shoulder Turns:	10.404
Max RPM:	17.790	Shoulder RPM:	17.19
Delta Torque:	23930 FT-LB	Shoulder Slope:	4.793
Delta Turns:	0.194		

Notes: Joint 25

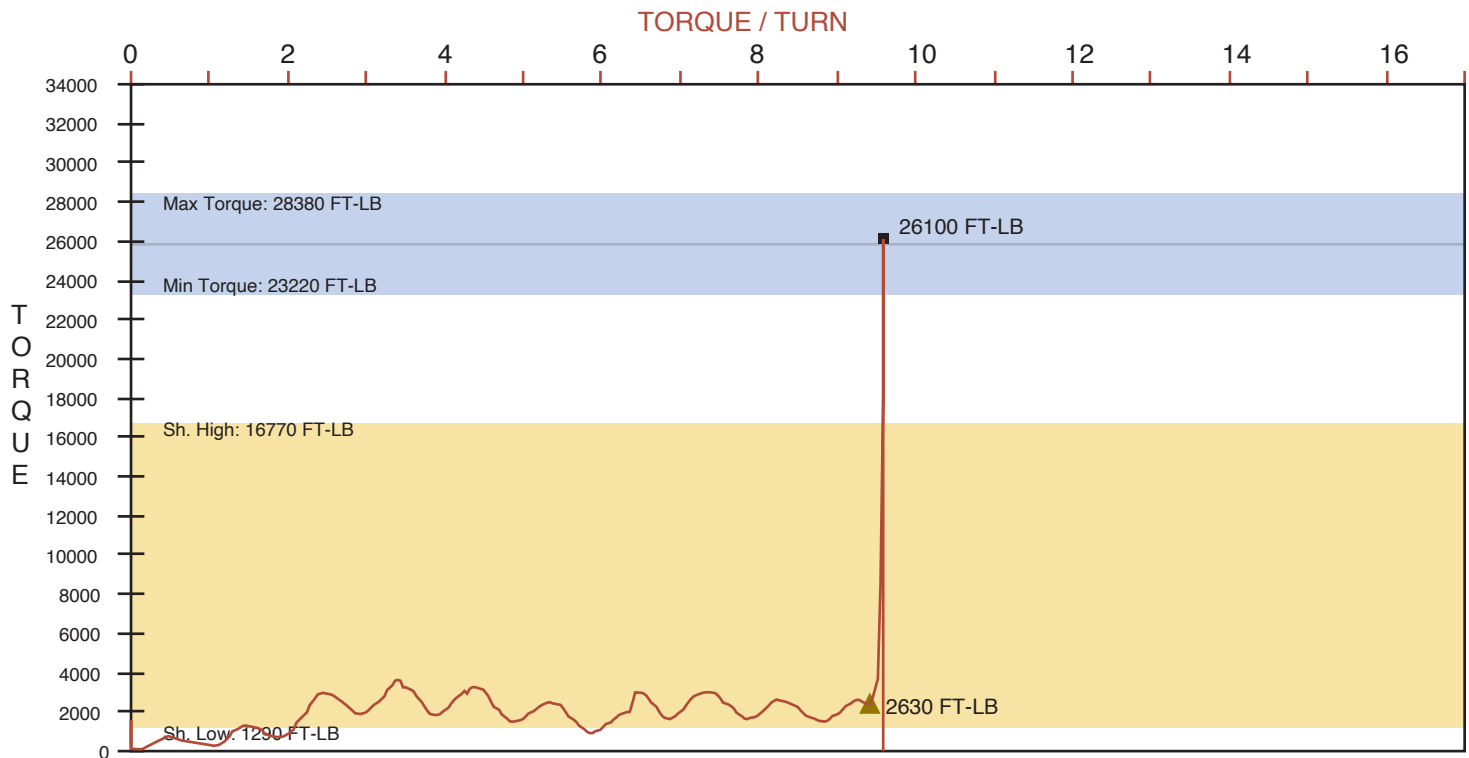


**Joint #: 25****Count #: 25**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 9:30:14 PM**

Heat/Lot#:

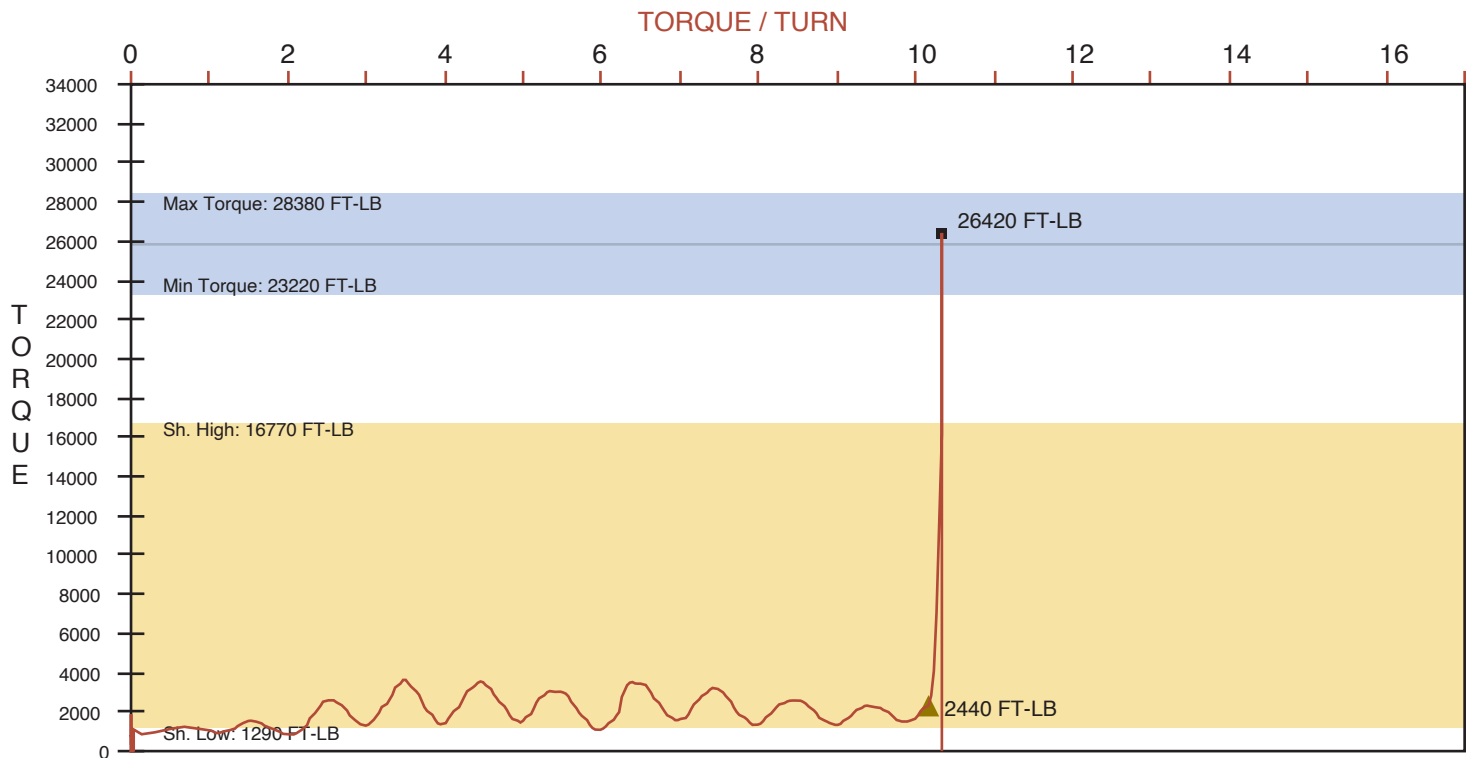
Pipe Length: **37.949 ft**Cumulative Length: **977.862 ft**Cumulative Weight: **45959.514 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26100 FT-LB**▲ Shoulder Torque: **2630 FT-LB**Final Turns: **9.592**Shoulder Turns: **9.414**Max RPM: **17.760**Shoulder RPM: **8.4**Delta Torque: **23470 FT-LB**Shoulder Slope: **5.111**Delta Turns: **0.178****Notes: Joint 26**

**Joint #: 26****Count #: 26**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 9:34:52 PM**

Heat/Lot#:

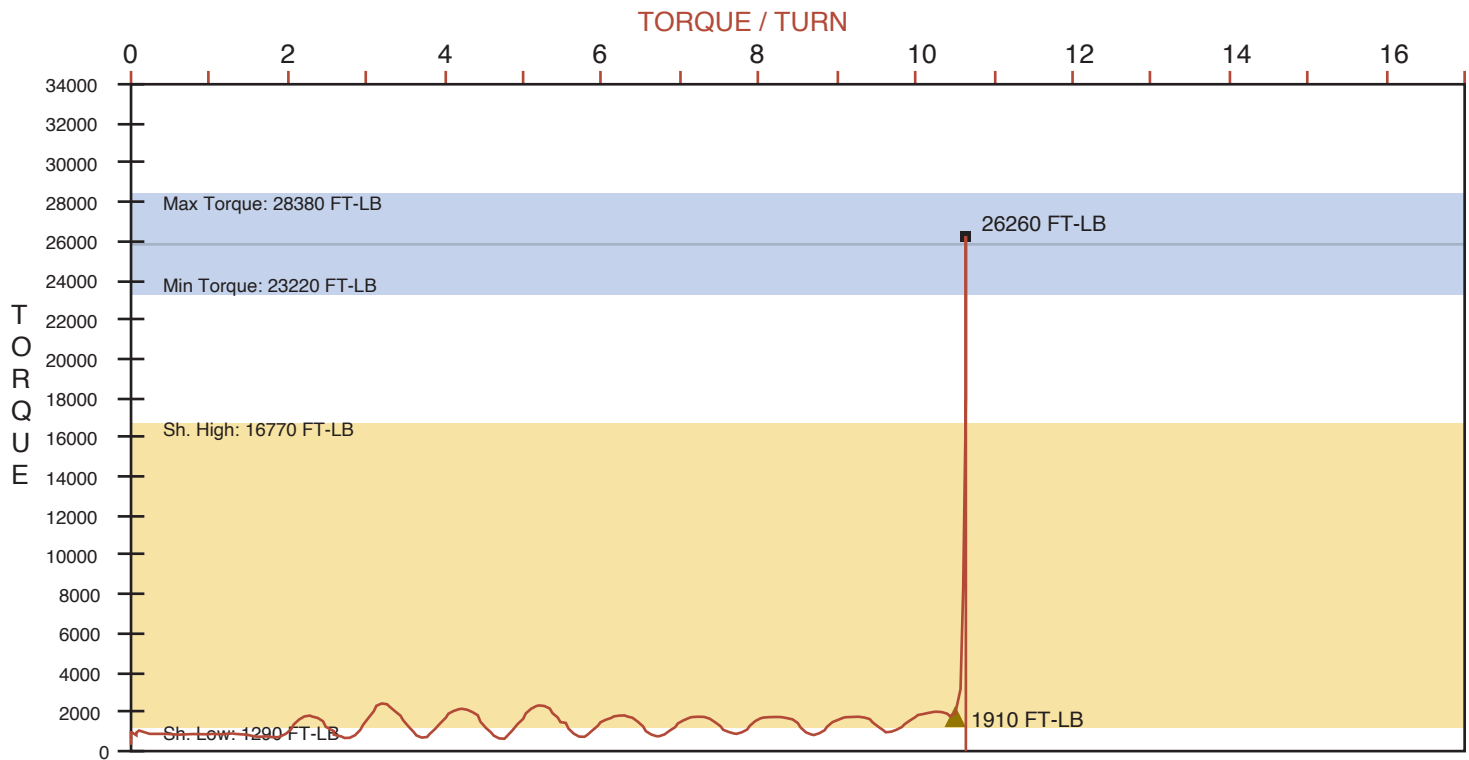
Pipe Length: **37.917 ft**Cumulative Length: **1015.779 ft**Cumulative Weight: **47741.613 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26420 FT-LB**▲ Shoulder Torque: **2440 FT-LB**Final Turns: **10.321**Shoulder Turns: **10.136**Max RPM: **17.760**Shoulder RPM: **8.43**Delta Torque: **23980 FT-LB**Shoulder Slope: **5.024**Delta Turns: **0.185**Notes: **Joint 27**

**Joint #: 27****Count #: 27**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 9:39:02 PM**

Heat/Lot#:

Pipe Length: **38.261 ft**Cumulative Length: **1054.040 ft**Cumulative Weight: **49539.880 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26260 FT-LB**▲ Shoulder Torque: **1910 FT-LB**Final Turns: **10.640**Shoulder Turns: **10.474**Max RPM: **19.350**Shoulder RPM: **17.16**Delta Torque: **24350 FT-LB**Shoulder Slope: **5.703**Delta Turns: **0.166****Notes: Joint 28**



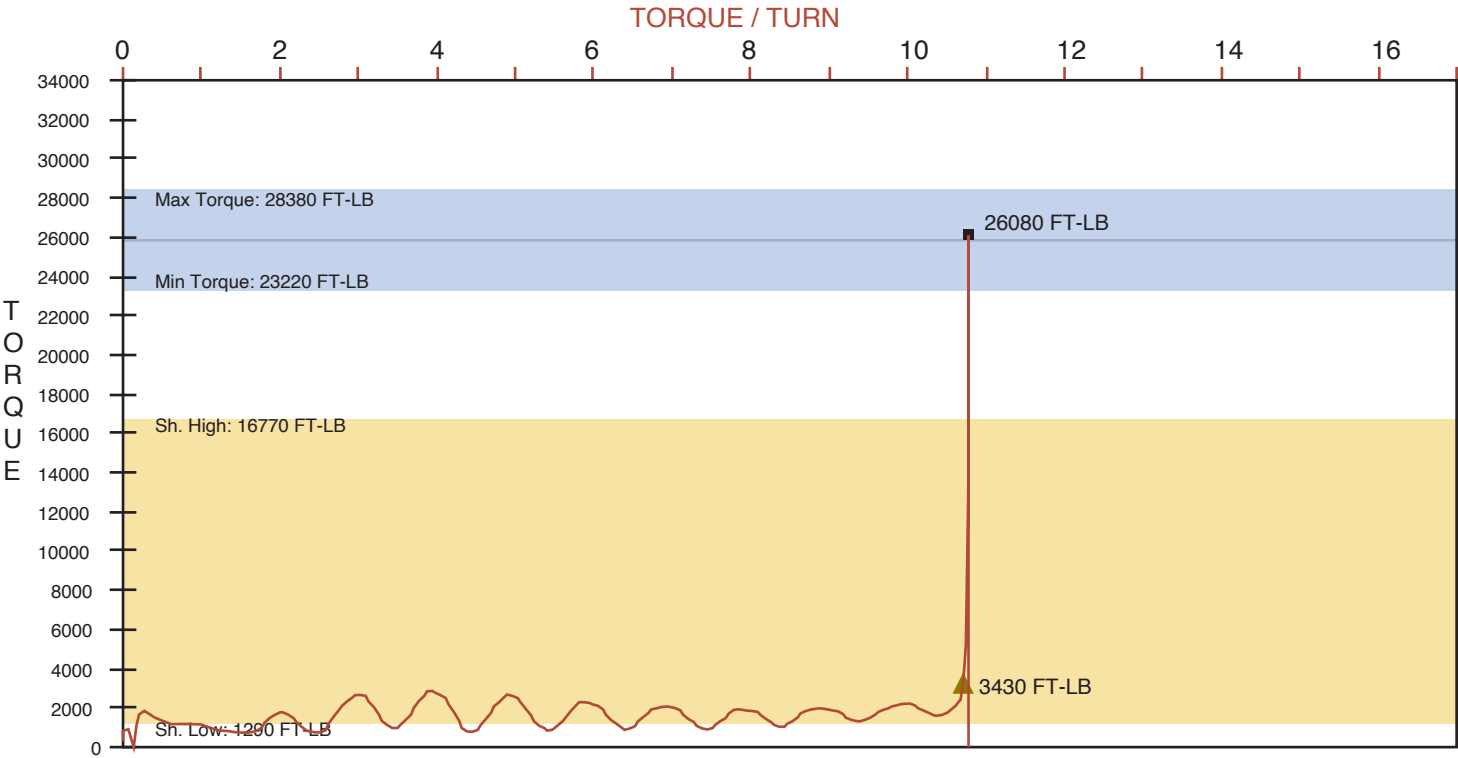
Joint #: 28

Count #: 28

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 9:42:56 PM	Heat/Lot#:	
Pipe Length:	38.278 ft		
Cumulative Length:	1092.318 ft		
Cumulative Weight:	51338.946 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26080 FT-LB	▲ Shoulder Torque:	3430 FT-LB
Final Turns:	10.794	Shoulder Turns:	10.708
Max RPM:	17.670	Shoulder RPM:	0
Delta Torque:	22650 FT-LB	Shoulder Slope:	10.149
Delta Turns:	0.086		

Notes: Joint 29

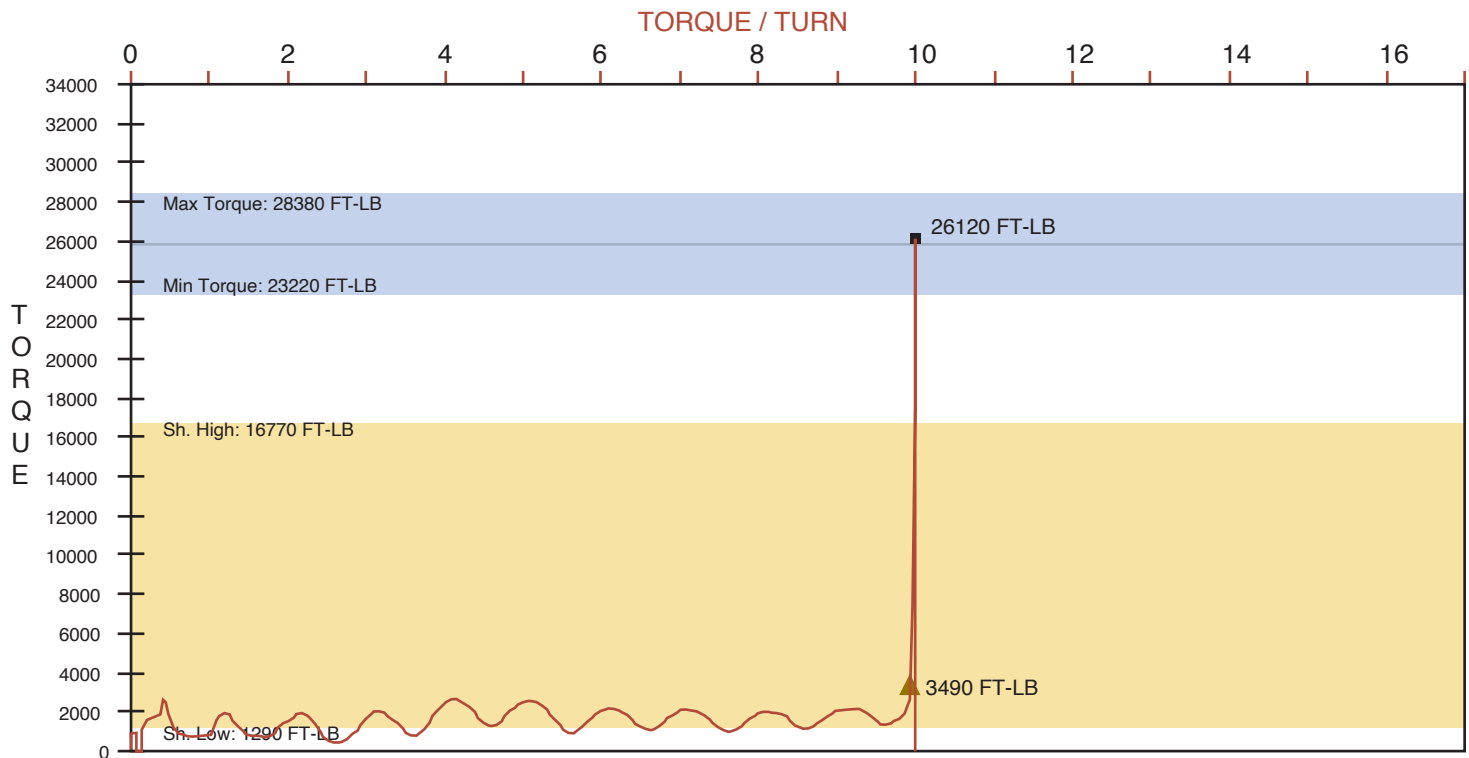


**Joint #: 29****Count #: 29**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 9:46:23 PM**

Heat/Lot#:

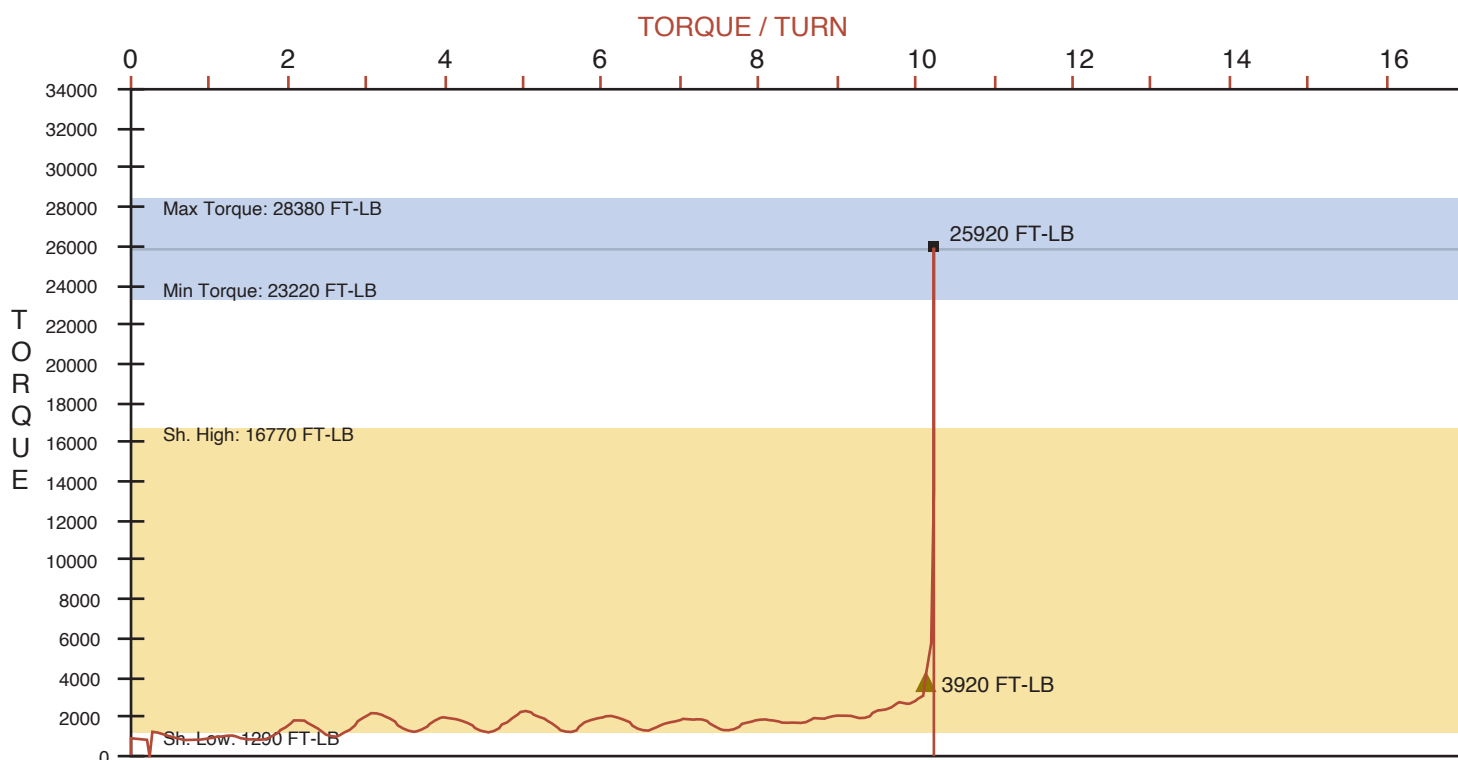
Pipe Length: **37.375 ft**Cumulative Length: **1129.693 ft**Cumulative Weight: **53095.571 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26120 FT-LB**▲ Shoulder Torque: **3490 FT-LB**Final Turns: **10.002**Shoulder Turns: **9.91**Max RPM: **17.670**Shoulder RPM: **0**Delta Torque: **22630 FT-LB**Shoulder Slope: **9.534**Delta Turns: **0.092****Notes: Joint 30**

**Joint #: 30****Count #: 30**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 9:50:06 PM**

Heat/Lot#:

Pipe Length: **38.294 ft**Cumulative Length: **1167.987 ft**Cumulative Weight: **54895.389 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **25920 FT-LB**▲ Shoulder Torque: **3920 FT-LB**Final Turns: **10.234**Shoulder Turns: **10.132**Max RPM: **17.730**Shoulder RPM: **0.06**Delta Torque: **22000 FT-LB**Shoulder Slope: **8.360**Delta Turns: **0.102****Notes: Joint 31**

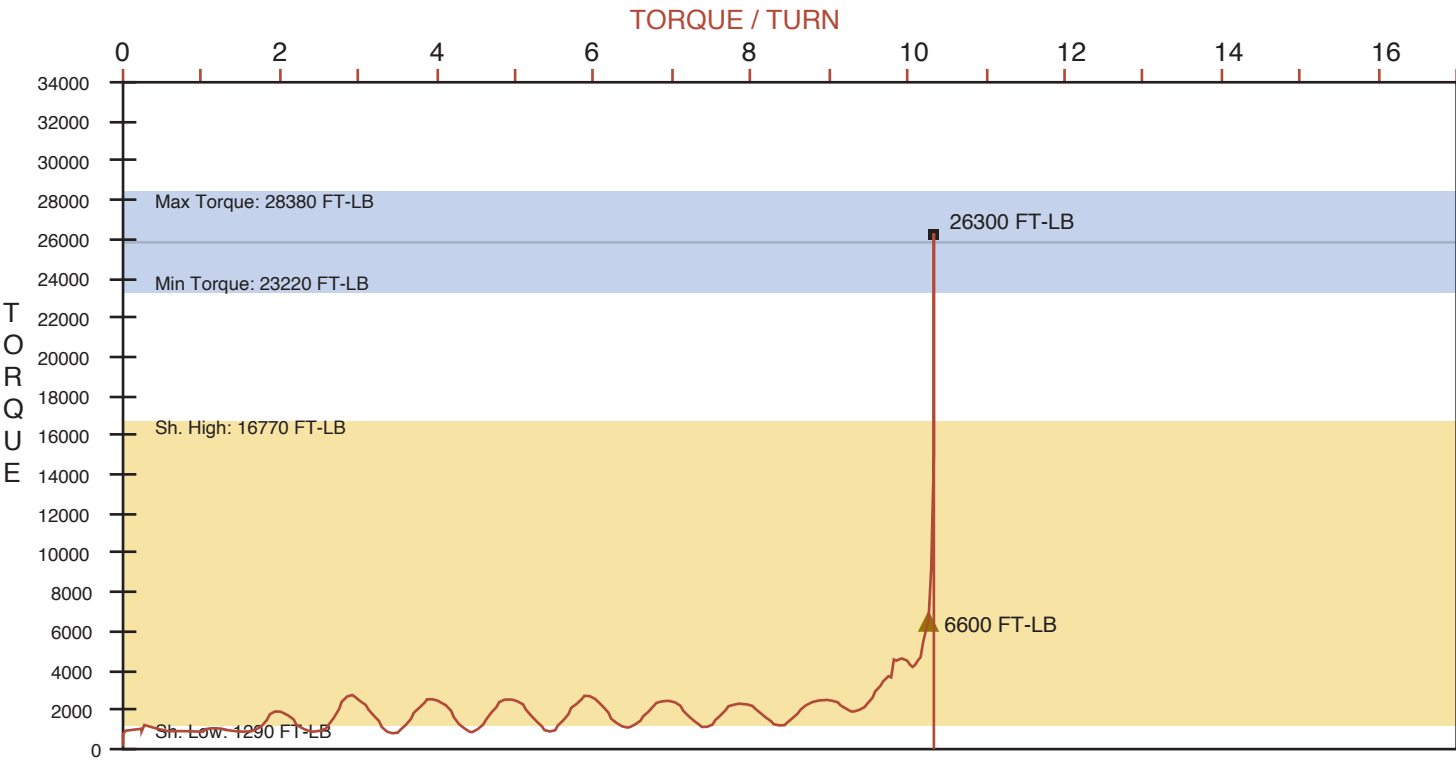
Joint #: 31

Count #: 31

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 9:54:10 PM	Heat/Lot#:	
Pipe Length:	38.327 ft		
Cumulative Length:	1206.314 ft		
Cumulative Weight:	56696.758 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26300 FT-LB	▲ Shoulder Torque:	6600 FT-LB
Final Turns:	10.341	Shoulder Turns:	10.225
Max RPM:	17.700	Shoulder RPM:	7.56
Delta Torque:	19700 FT-LB	Shoulder Slope:	6.582
Delta Turns:	0.116		

Notes: Joint 32



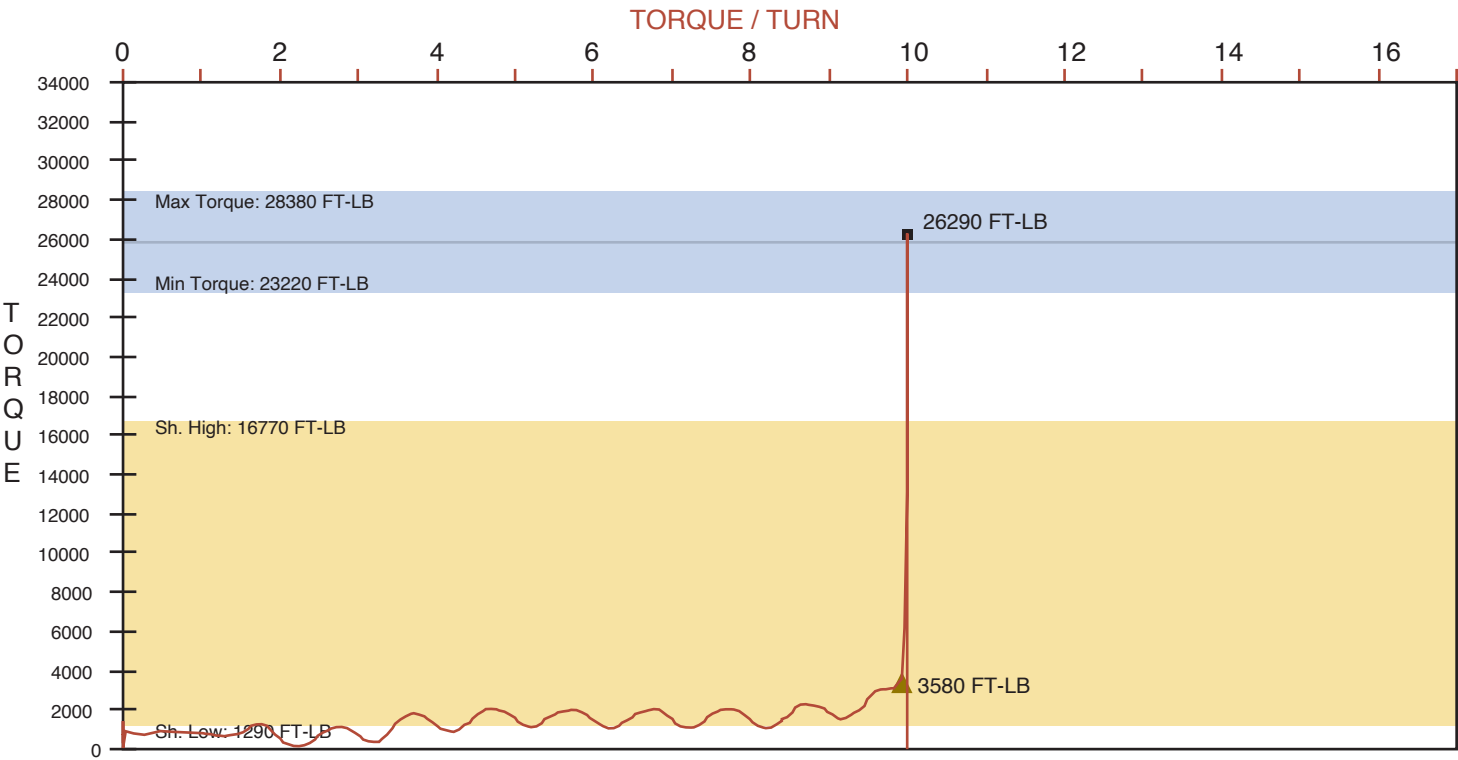
Joint #: 32

Count #: 32

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 9:58:18 PM	Heat/Lot#:	
Pipe Length:	38.278 ft		
Cumulative Length:	1244.592 ft		
Cumulative Weight:	58495.824 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26290 FT-LB	▲ Shoulder Torque:	3580 FT-LB
Final Turns:	10.000	Shoulder Turns:	9.887
Max RPM:	19.140	Shoulder RPM:	0.72
Delta Torque:	22710 FT-LB	Shoulder Slope:	7.755
Delta Turns:	0.114		

Notes: Joint 33

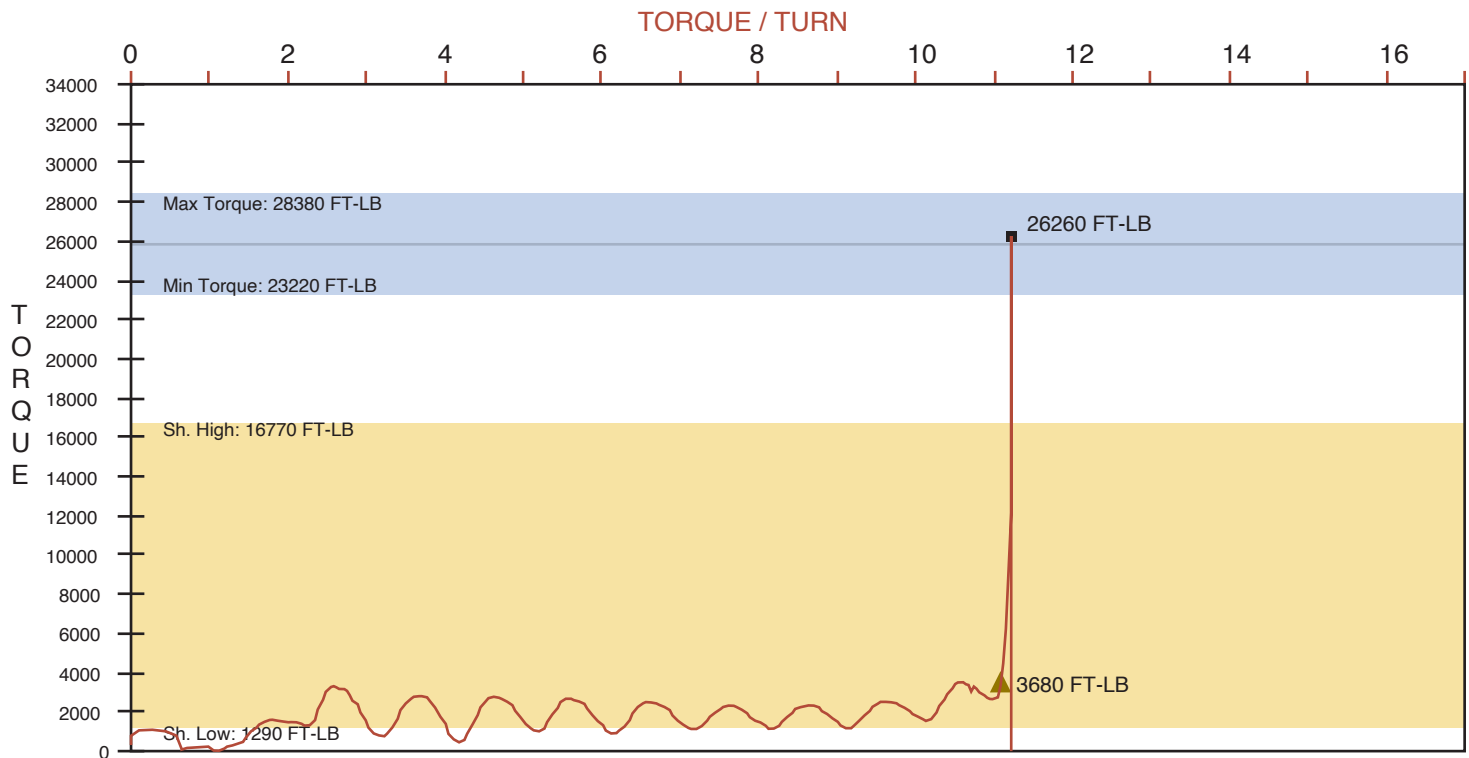


**Joint #: 33****Count #: 33**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 10:01:42 PM**

Heat/Lot#:

Pipe Length: **36.342 ft**Cumulative Length: **1280.934 ft**Cumulative Weight: **60203.898 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26260 FT-LB**▲ Shoulder Torque: **3680 FT-LB**Final Turns: **11.206**Shoulder Turns: **11.06**Max RPM: **17.850**Shoulder RPM: **8.1**Delta Torque: **22580 FT-LB**Shoulder Slope: **5.974**Delta Turns: **0.146****Notes: Joint 34**

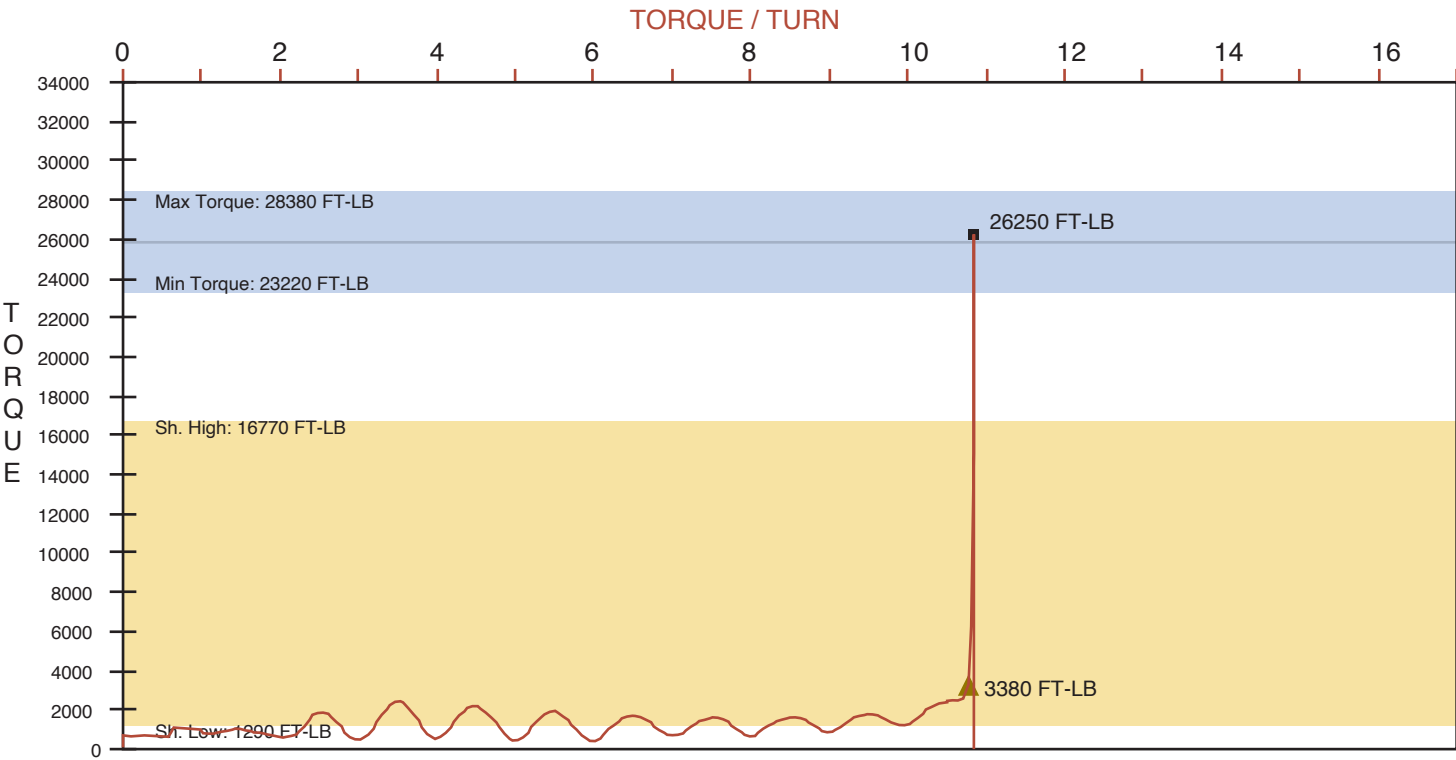
Joint #: 34

Count #: 34

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 10:04:52 PM	Heat/Lot#:	
Pipe Length:	37.900 ft		
Cumulative Length:	1318.834 ft		
Cumulative Weight:	61985.198 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26250 FT-LB	▲ Shoulder Torque:	3380 FT-LB
Final Turns:	10.842	Shoulder Turns:	10.757
Max RPM:	17.850	Shoulder RPM:	0
Delta Torque:	22870 FT-LB	Shoulder Slope:	10.368
Delta Turns:	0.086		

Notes: Joint 35



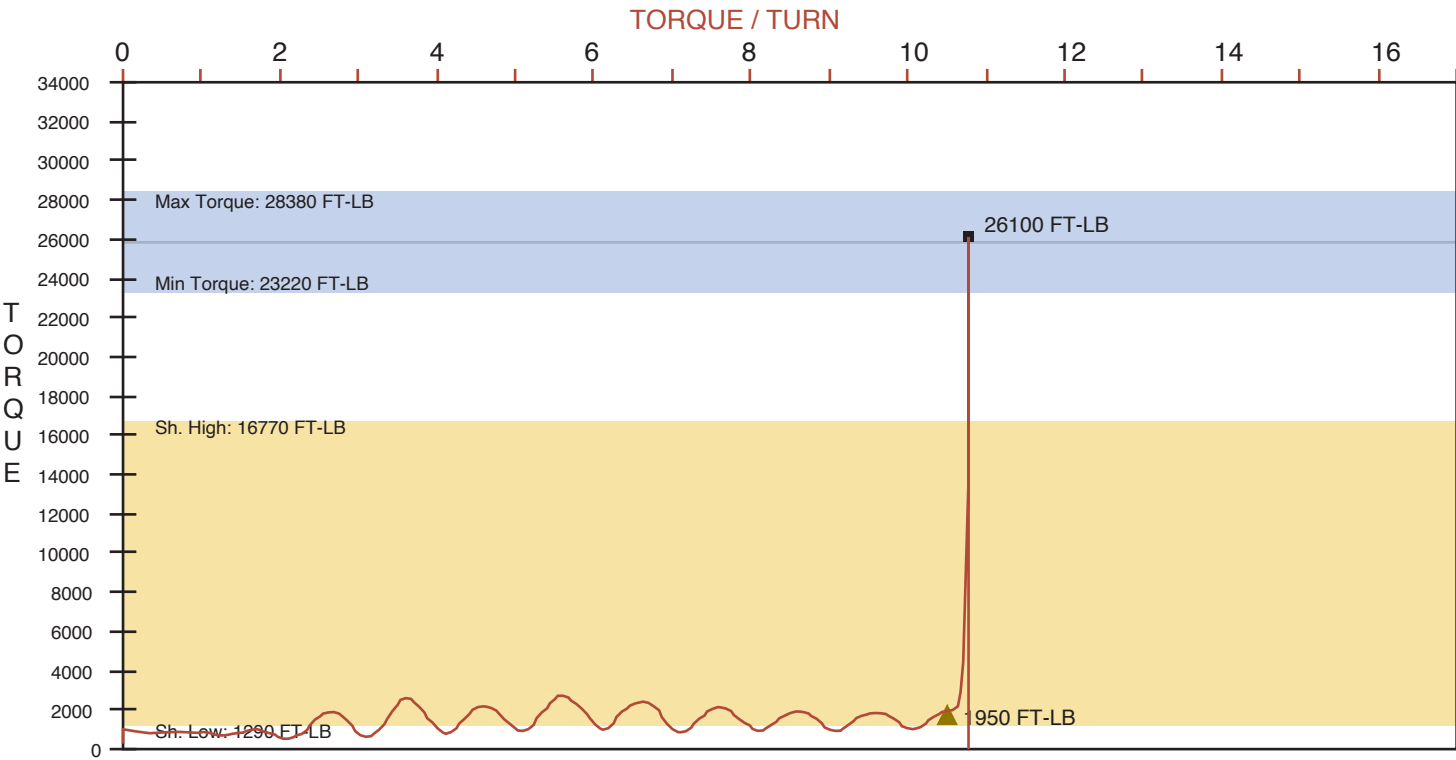
Joint #: 35

Count #: 35

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 10:08:36 PM	Heat/Lot#:	
Pipe Length:	37.900 ft		
Cumulative Length:	1356.734 ft		
Cumulative Weight:	63766.498 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26100 FT-LB	▲ Shoulder Torque:	1950 FT-LB
Final Turns:	10.766	Shoulder Turns:	10.484
Max RPM:	17.820	Shoulder RPM:	16.98
Delta Torque:	24150 FT-LB	Shoulder Slope:	3.319
Delta Turns:	0.282		

Notes: Joint 36





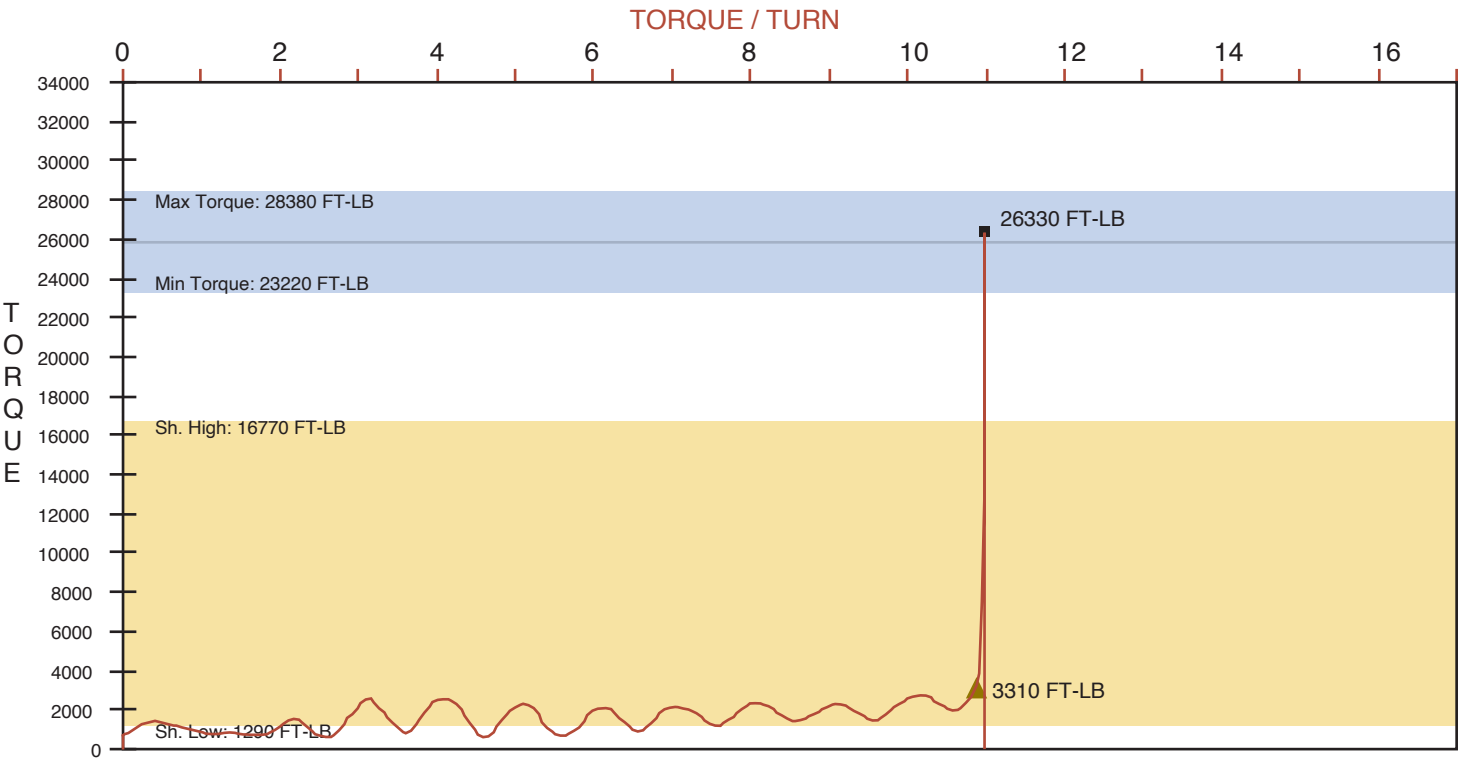
Joint #: 36

Count #: 36

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 10:12:02 PM	Heat/Lot#:	
Pipe Length:	37.244 ft		
Cumulative Length:	1393.978 ft		
Cumulative Weight:	65516.966 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26330 FT-LB	▲ Shoulder Torque:	3310 FT-LB
Final Turns:	10.990	Shoulder Turns:	10.868
Max RPM:	18.900	Shoulder RPM:	0
Delta Torque:	23020 FT-LB	Shoulder Slope:	7.344
Delta Turns:	0.122		

Notes: Joint 37

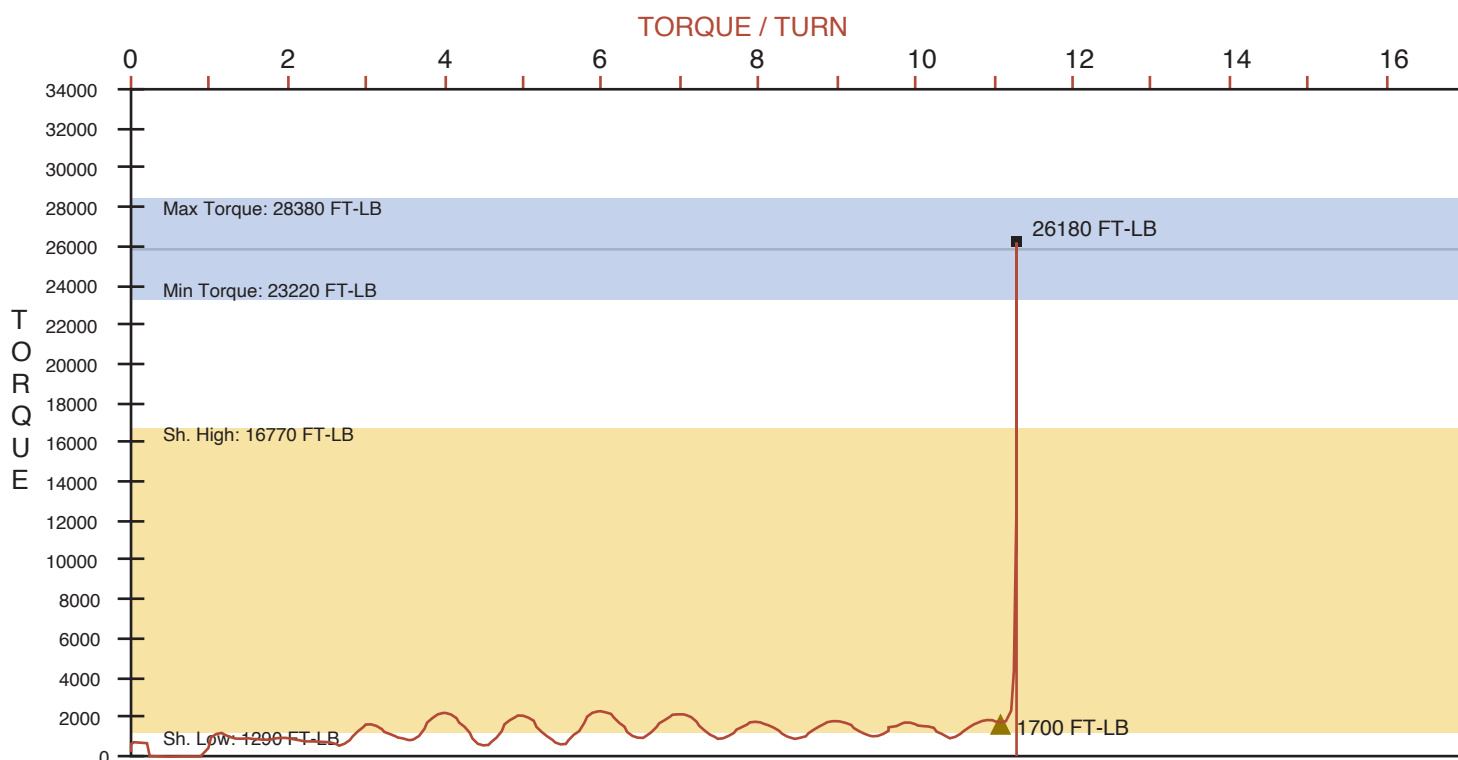


**Joint #: 37****Count #: 37**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 10:15:38 PM**

Heat/Lot#:

Pipe Length: **37.949 ft**Cumulative Length: **1431.927 ft**Cumulative Weight: **67300.569 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26180 FT-LB**▲ Shoulder Torque: **1700 FT-LB**Final Turns: **11.284**Shoulder Turns: **11.085**Max RPM: **18.990**Shoulder RPM: **17.19**Delta Torque: **24480 FT-LB**Shoulder Slope: **4.756**Delta Turns: **0.200****Notes: Joint 38**

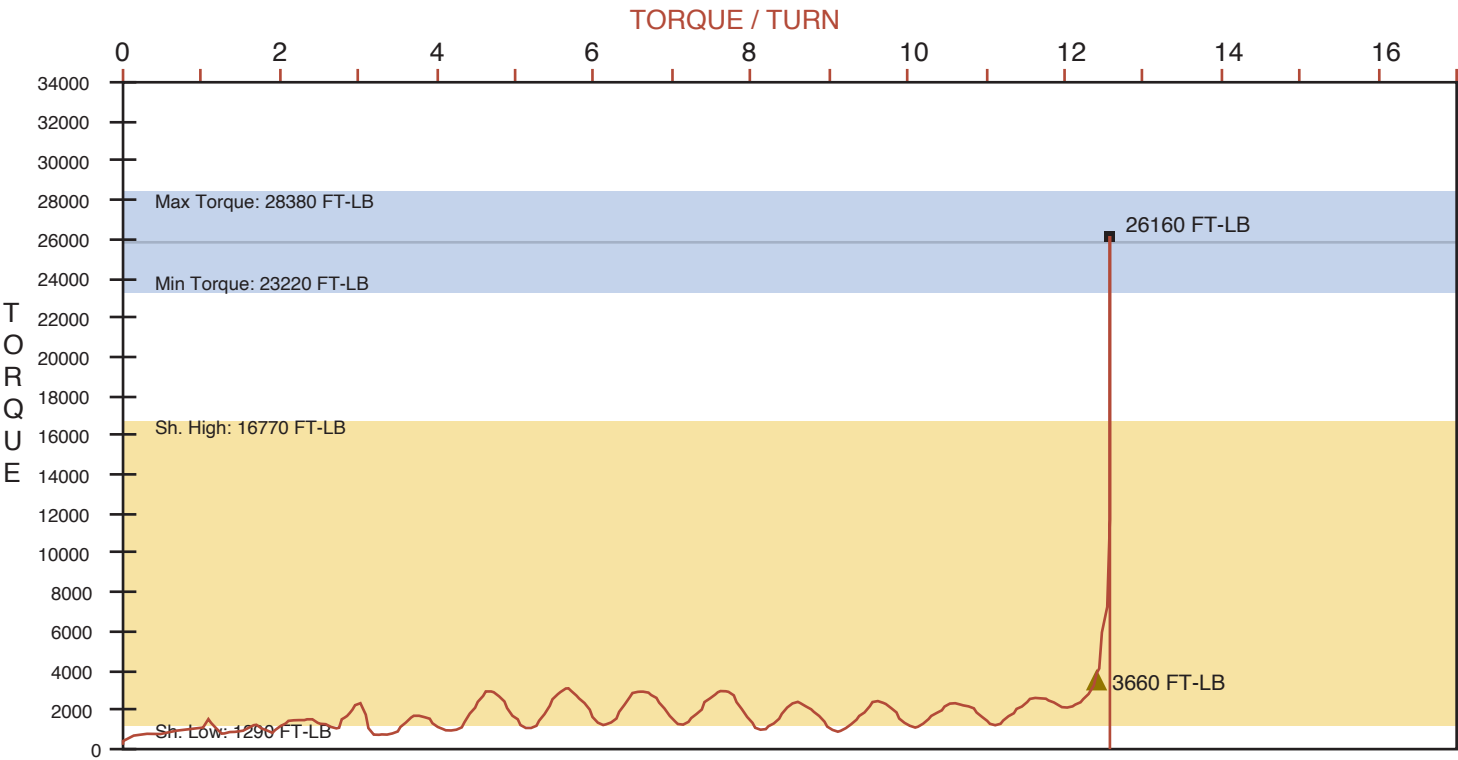
Joint #: 38

Count #: 38

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 10:19:59 PM	Heat/Lot#:	
Pipe Length:	37.244 ft		
Cumulative Length:	1469.171 ft		
Cumulative Weight:	69051.037 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26160 FT-LB	▲ Shoulder Torque:	3660 FT-LB
Final Turns:	12.581	Shoulder Turns:	12.41
Max RPM:	17.790	Shoulder RPM:	0
Delta Torque:	22500 FT-LB	Shoulder Slope:	5.100
Delta Turns:	0.171		

Notes: Joint 39



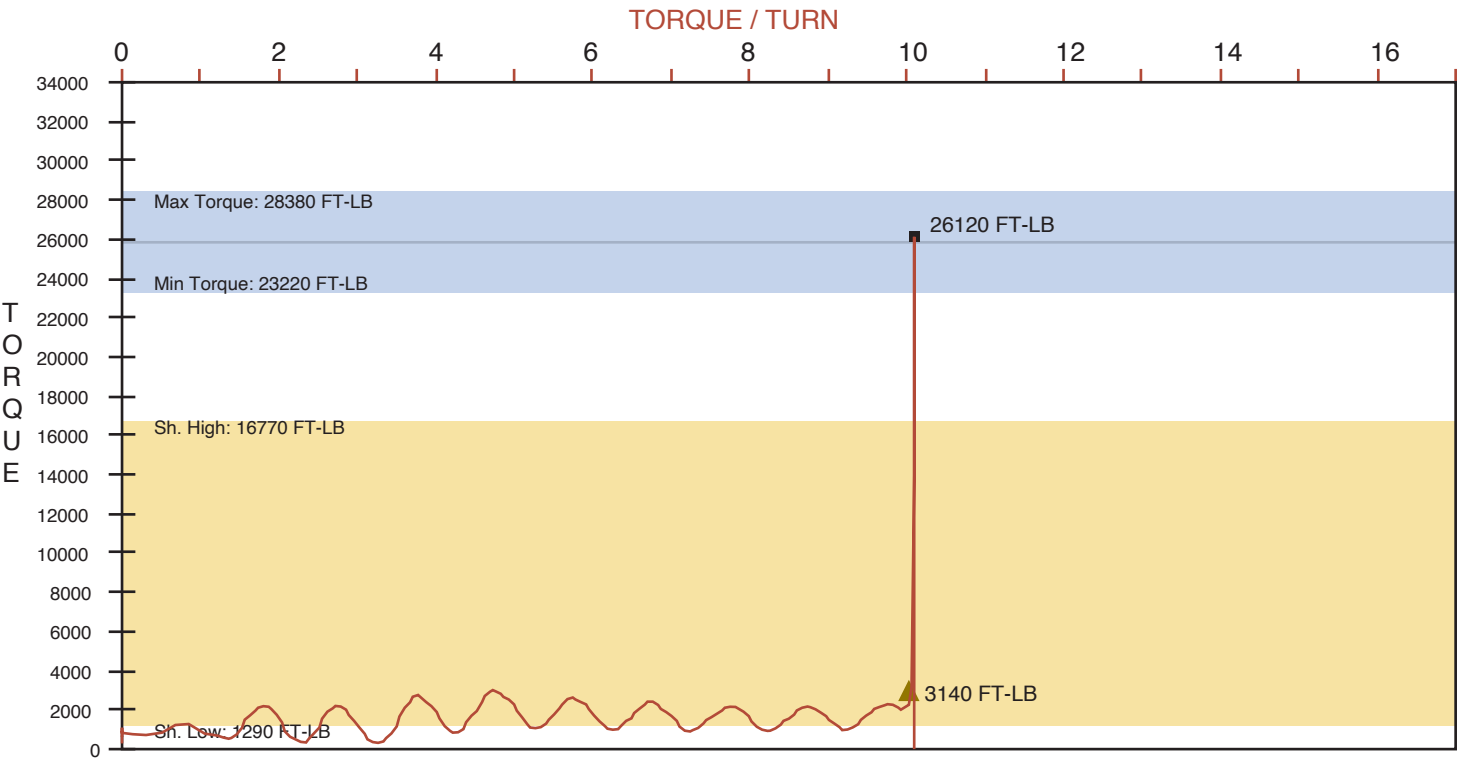
Joint #: 39

Count #: 39

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 10:23:32 PM	Heat/Lot#:	
Pipe Length:	37.949 ft		
Cumulative Length:	1507.120 ft		
Cumulative Weight:	70834.640 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26120 FT-LB	▲ Shoulder Torque:	3140 FT-LB
Final Turns:	10.097	Shoulder Turns:	10.022
Max RPM:	17.790	Shoulder RPM:	0
Delta Torque:	22980 FT-LB	Shoulder Slope:	11.876
Delta Turns:	0.075		

Notes: Joint 40

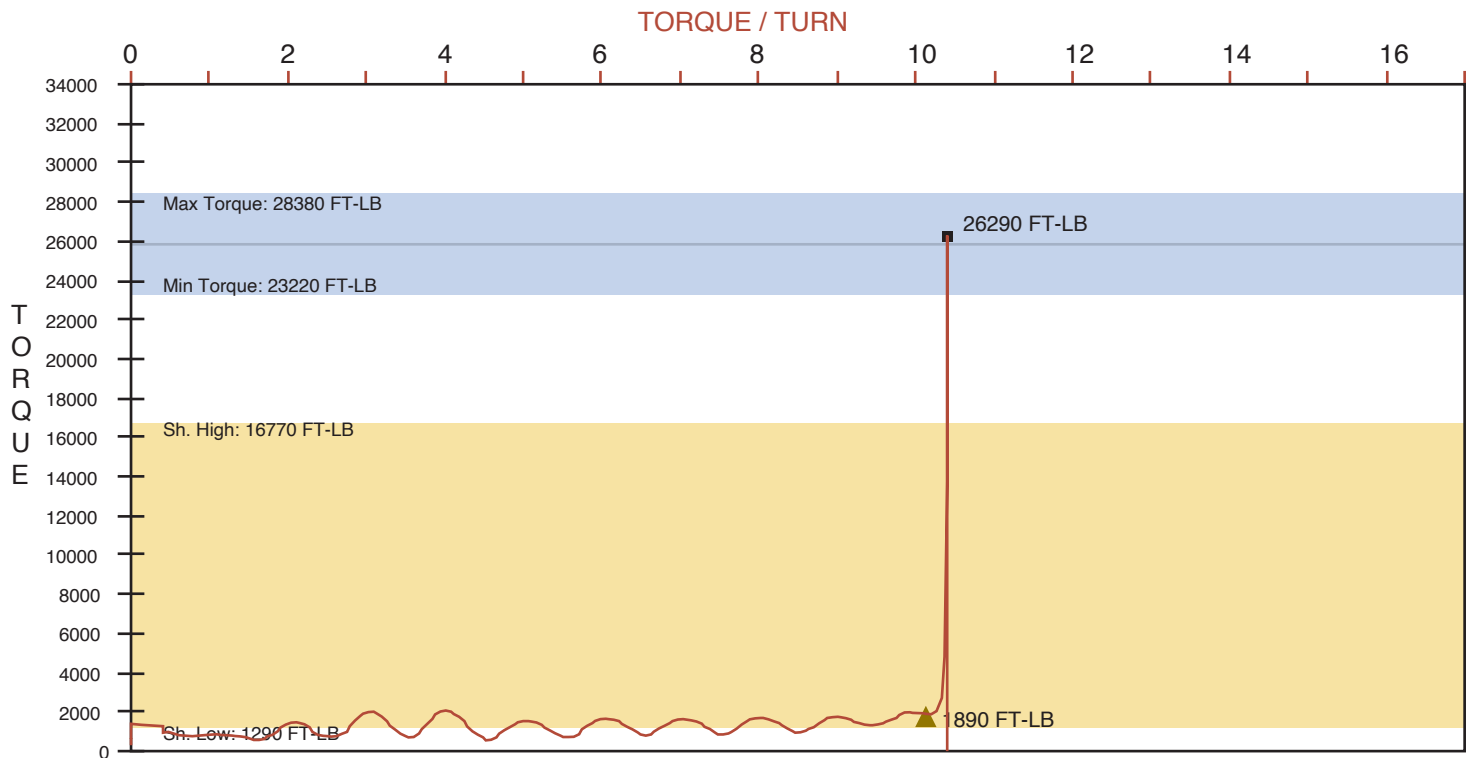


**Joint #: 40****Count #: 40**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 10:28:35 PM**

Heat/Lot#:

Pipe Length: **36.916 ft**Cumulative Length: **1544.036 ft**Cumulative Weight: **72569.692 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26290 FT-LB**▲ Shoulder Torque: **1890 FT-LB**Final Turns: **10.402**Shoulder Turns: **10.149**Max RPM: **17.820**Shoulder RPM: **17.16**Delta Torque: **24400 FT-LB**Shoulder Slope: **3.731**Delta Turns: **0.254****Notes: Joint 41**

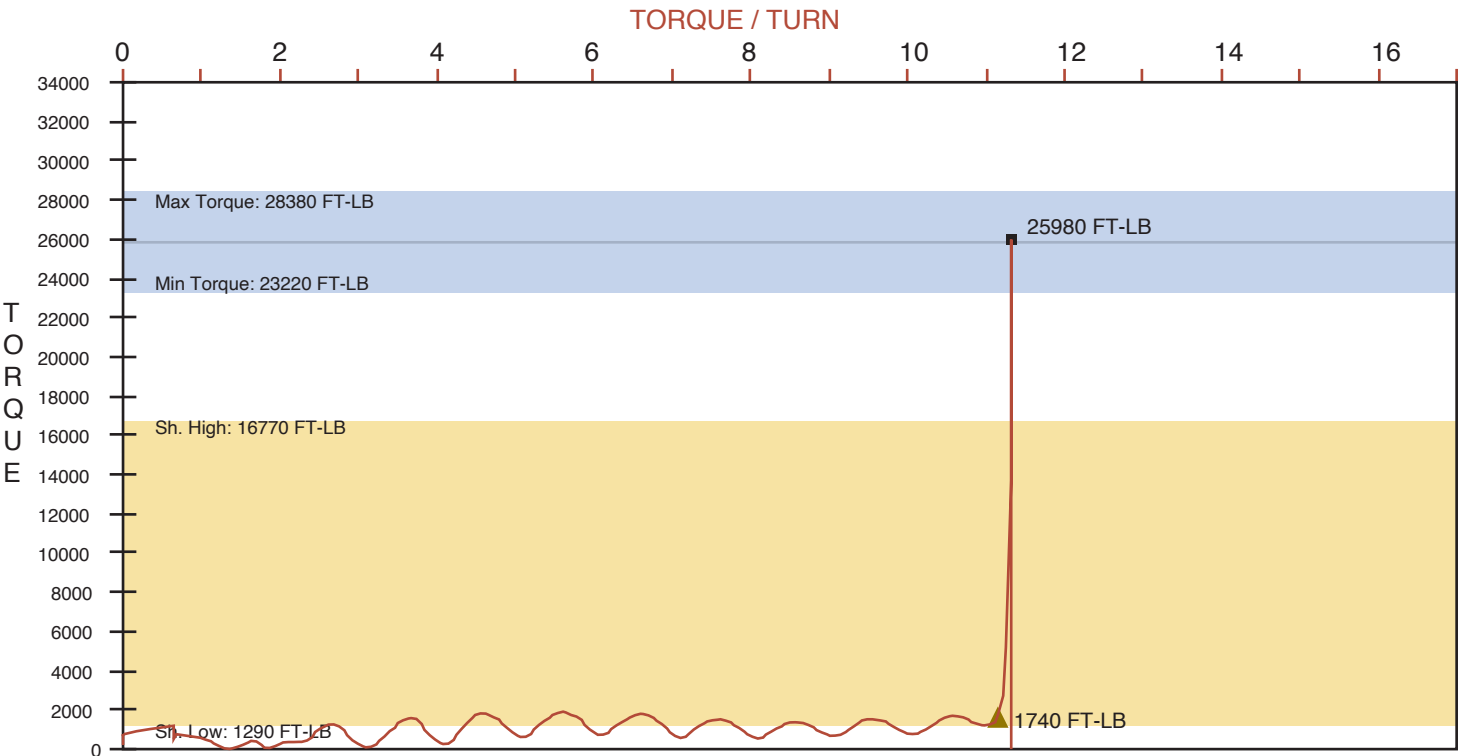
Joint #: 41

Count #: 41

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 10:32:29 PM	Heat/Lot#:	
Pipe Length:	37.966 ft		
Cumulative Length:	1582.002 ft		
Cumulative Weight:	74354.094 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	25980 FT-LB	▲ Shoulder Torque:	1740 FT-LB
Final Turns:	11.306	Shoulder Turns:	11.138
Max RPM:	18.690	Shoulder RPM:	17.28
Delta Torque:	24240 FT-LB	Shoulder Slope:	5.576
Delta Turns:	0.168		

Notes: Joint 42

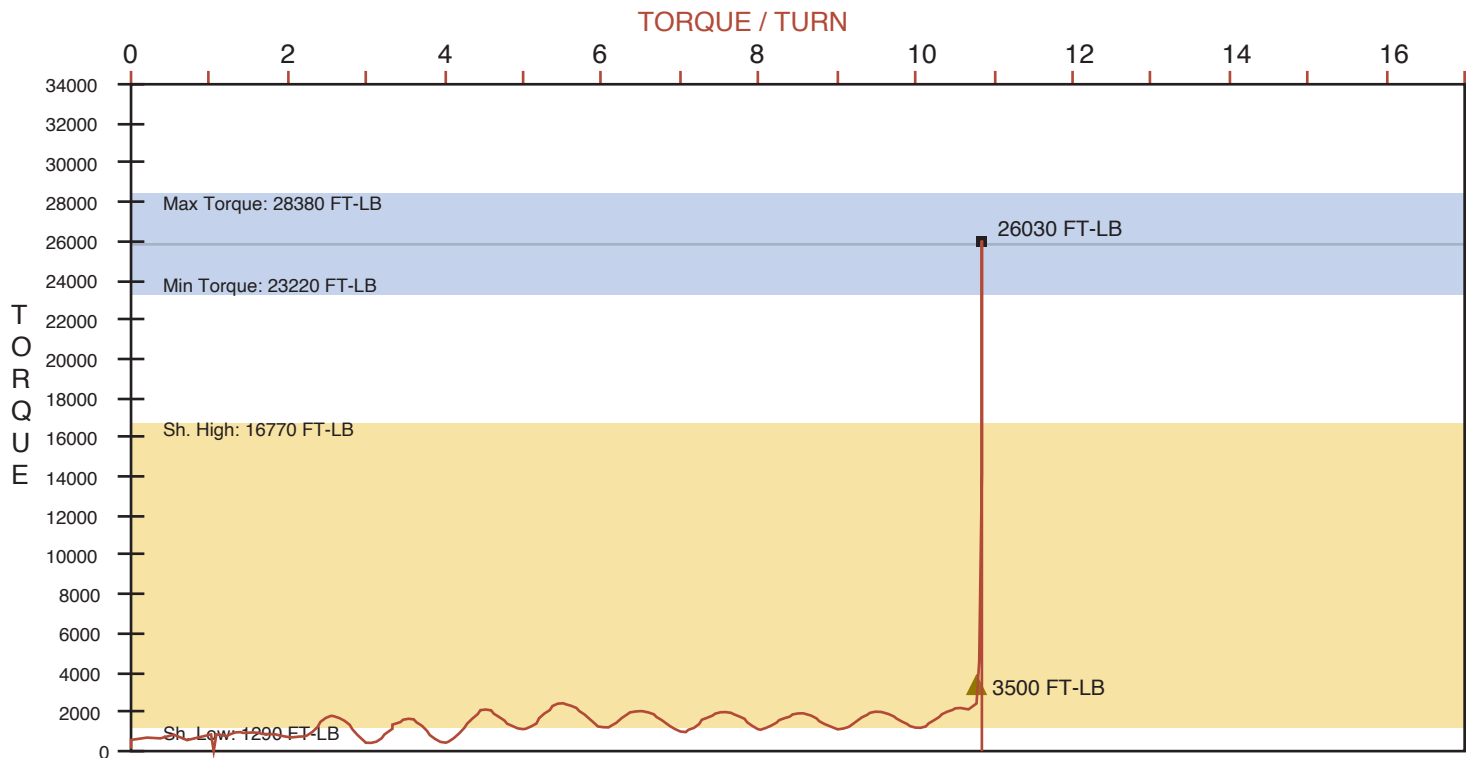


**Joint #: 42****Count #: 42**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 10:36:00 PM**

Heat/Lot#:

Pipe Length: **37.917 ft**Cumulative Length: **1619.919 ft**Cumulative Weight: **76136.193 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26030 FT-LB**▲ Shoulder Torque: **3500 FT-LB**Final Turns: **10.842**Shoulder Turns: **10.766**Max RPM: **18.840**Shoulder RPM: **0**Delta Torque: **22530 FT-LB**Shoulder Slope: **11.566**Delta Turns: **0.076****Notes: Joint 43**

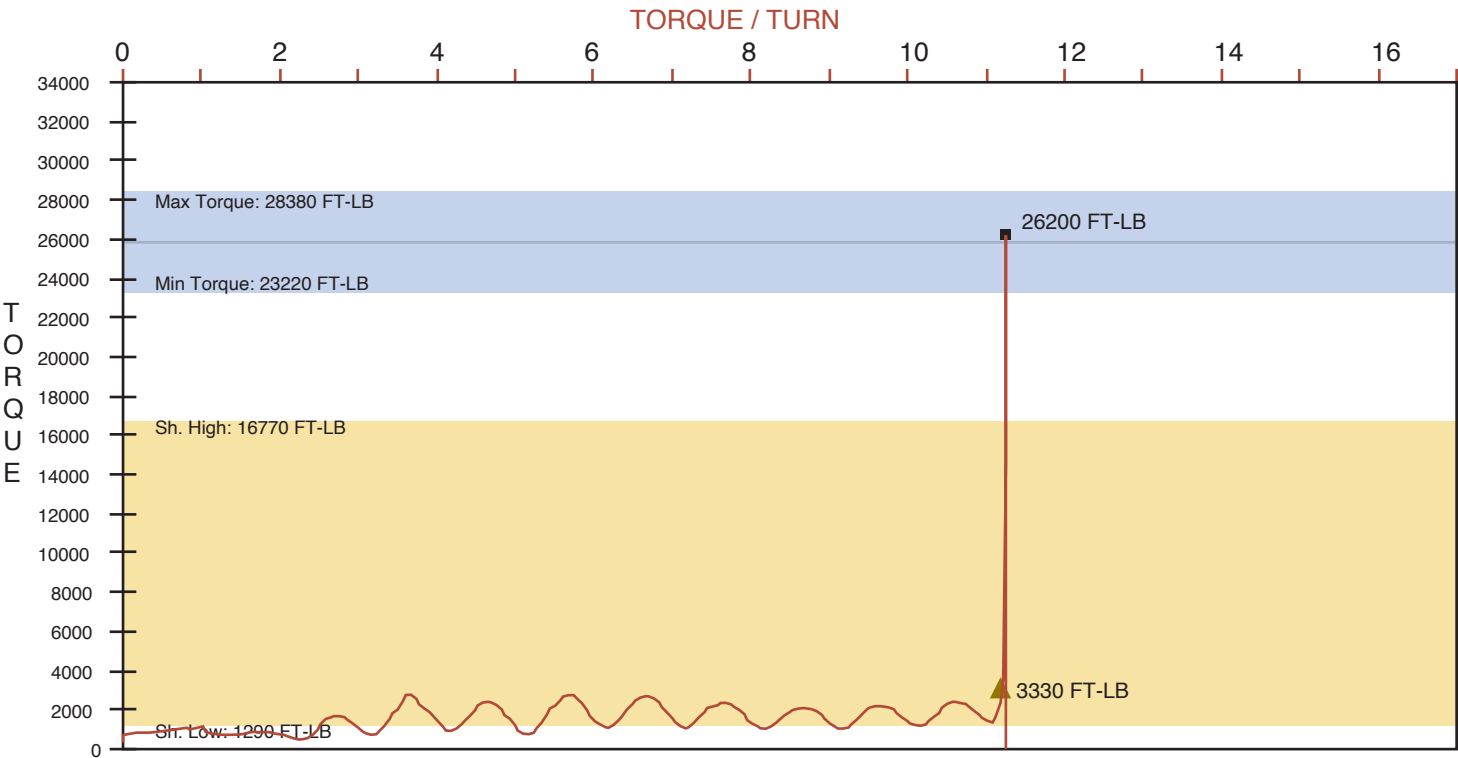
Joint #: 43

Count #: 43

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 10:39:32 PM	Heat/Lot#:	
Pipe Length:	37.966 ft		
Cumulative Length:	1657.885 ft		
Cumulative Weight:	77920.595 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

Final Torque:	26200 FT-LB	Shoulder Torque:	3330 FT-LB
Final Turns:	11.270	Shoulder Turns:	11.194
Max RPM:	17.790	Shoulder RPM:	0
Delta Torque:	22870 FT-LB	Shoulder Slope:	11.587
Delta Turns:	0.076		

Notes: Joint 44



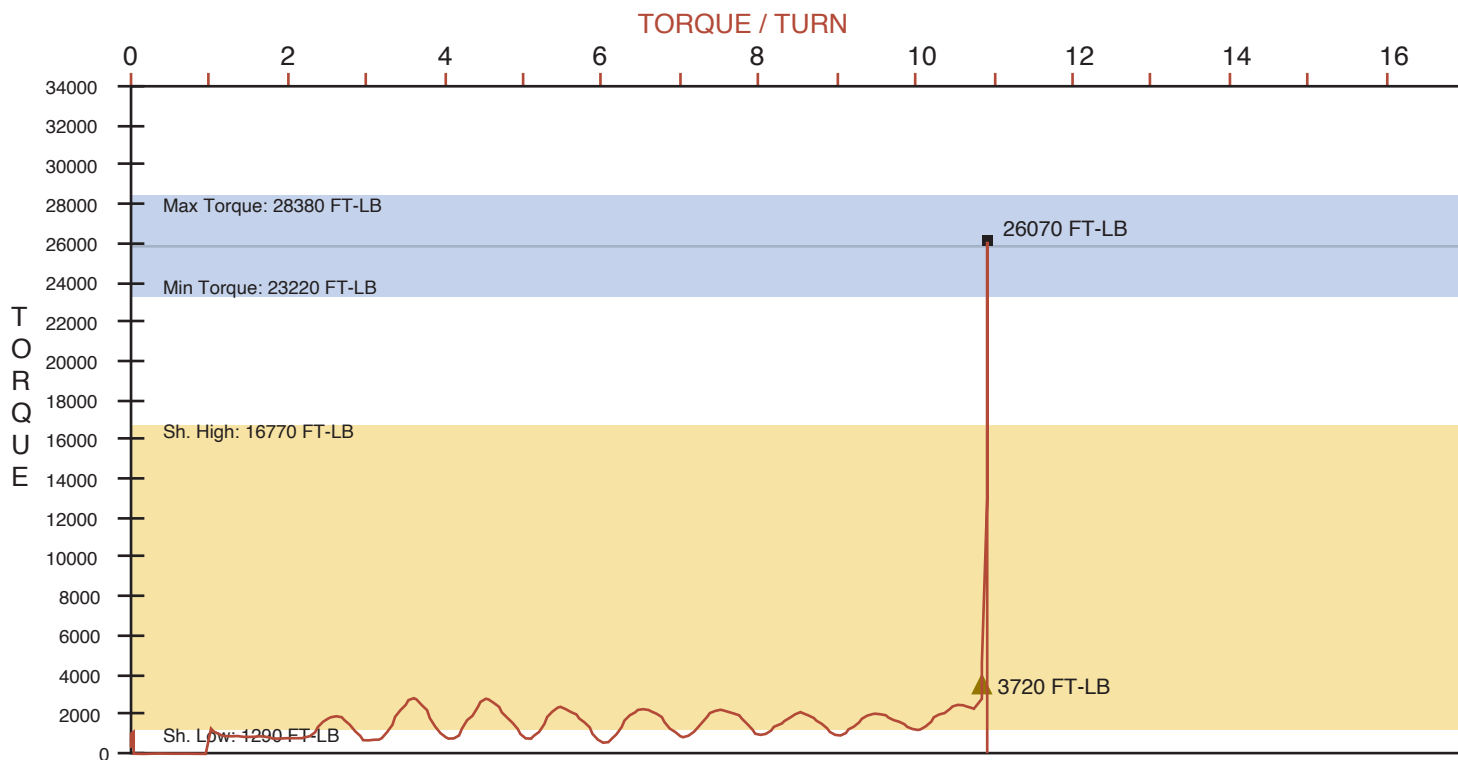


**Joint #: 44****Count #: 44**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 10:44:36 PM**

Heat/Lot#:

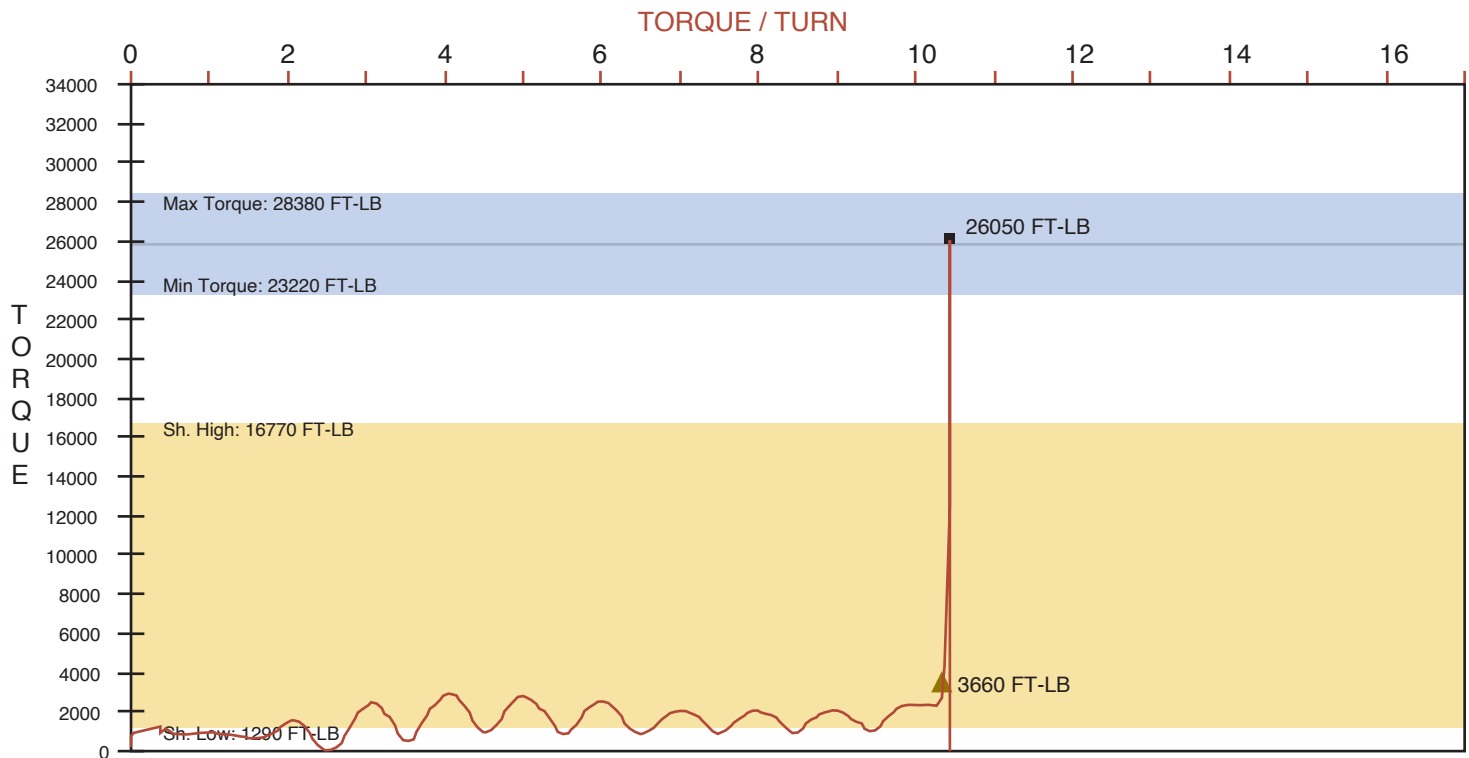
Pipe Length: **38.097 ft**Cumulative Length: **1695.982 ft**Cumulative Weight: **79711.154 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26070 FT-LB**▲ Shoulder Torque: **3720 FT-LB**Final Turns: **10.912**Shoulder Turns: **10.828**Max RPM: **18.660**Shoulder RPM: **0.03**Delta Torque: **22350 FT-LB**Shoulder Slope: **10.252**Delta Turns: **0.084****Notes: Joint 45**

**Joint #: 45****Count #: 45**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 10:48:00 PM**

Heat/Lot#:

Pipe Length: **36.243 ft**Cumulative Length: **1732.225 ft**Cumulative Weight: **81414.575 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26050 FT-LB**▲ Shoulder Torque: **3660 FT-LB**Final Turns: **10.431**Shoulder Turns: **10.35**Max RPM: **17.760**Shoulder RPM: **0**Delta Torque: **22390 FT-LB**Shoulder Slope: **10.714**Delta Turns: **0.081****Notes: Joint 46**

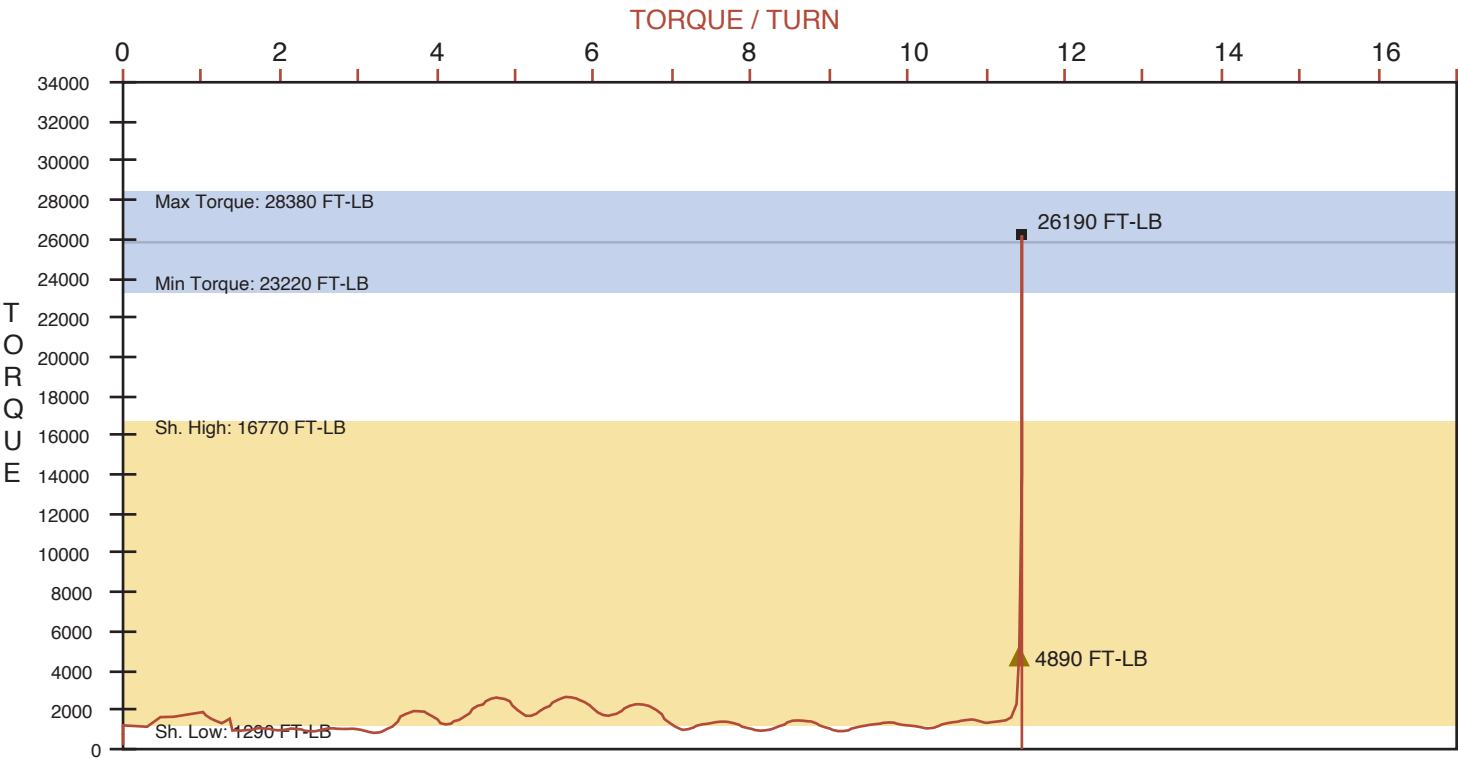
Joint #: 46

Count #: 46

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 10:51:29 PM	Heat/Lot#:	
Pipe Length:	37.113 ft		
Cumulative Length:	1769.338 ft		
Cumulative Weight:	83158.886 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26190 FT-LB	▲ Shoulder Torque:	4890 FT-LB
Final Turns:	11.473	Shoulder Turns:	11.396
Max RPM:	17.790	Shoulder RPM:	0.33
Delta Torque:	21300 FT-LB	Shoulder Slope:	10.722
Delta Turns:	0.077		

Notes: Joint 47



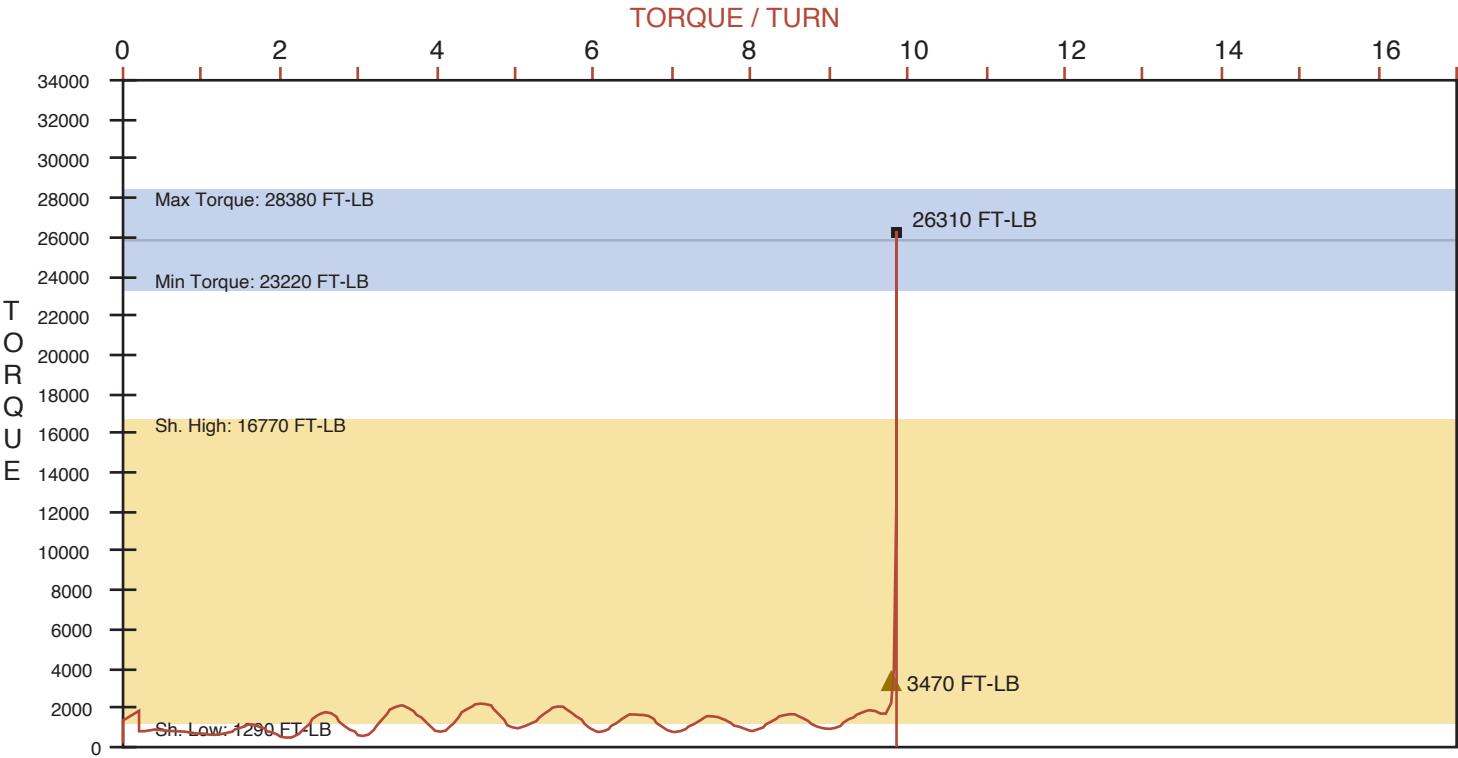
Joint #: 47

Count #: 47

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 10:56:59 PM	Heat/Lot#:	
Pipe Length:	38.261 ft		
Cumulative Length:	1807.599 ft		
Cumulative Weight:	84957.153 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26310 FT-LB	▲ Shoulder Torque:	3470 FT-LB
Final Turns:	9.862	Shoulder Turns:	9.782
Max RPM:	17.820	Shoulder RPM:	0.39
Delta Torque:	22840 FT-LB	Shoulder Slope:	10.997
Delta Turns:	0.080		

Notes: Joint 48

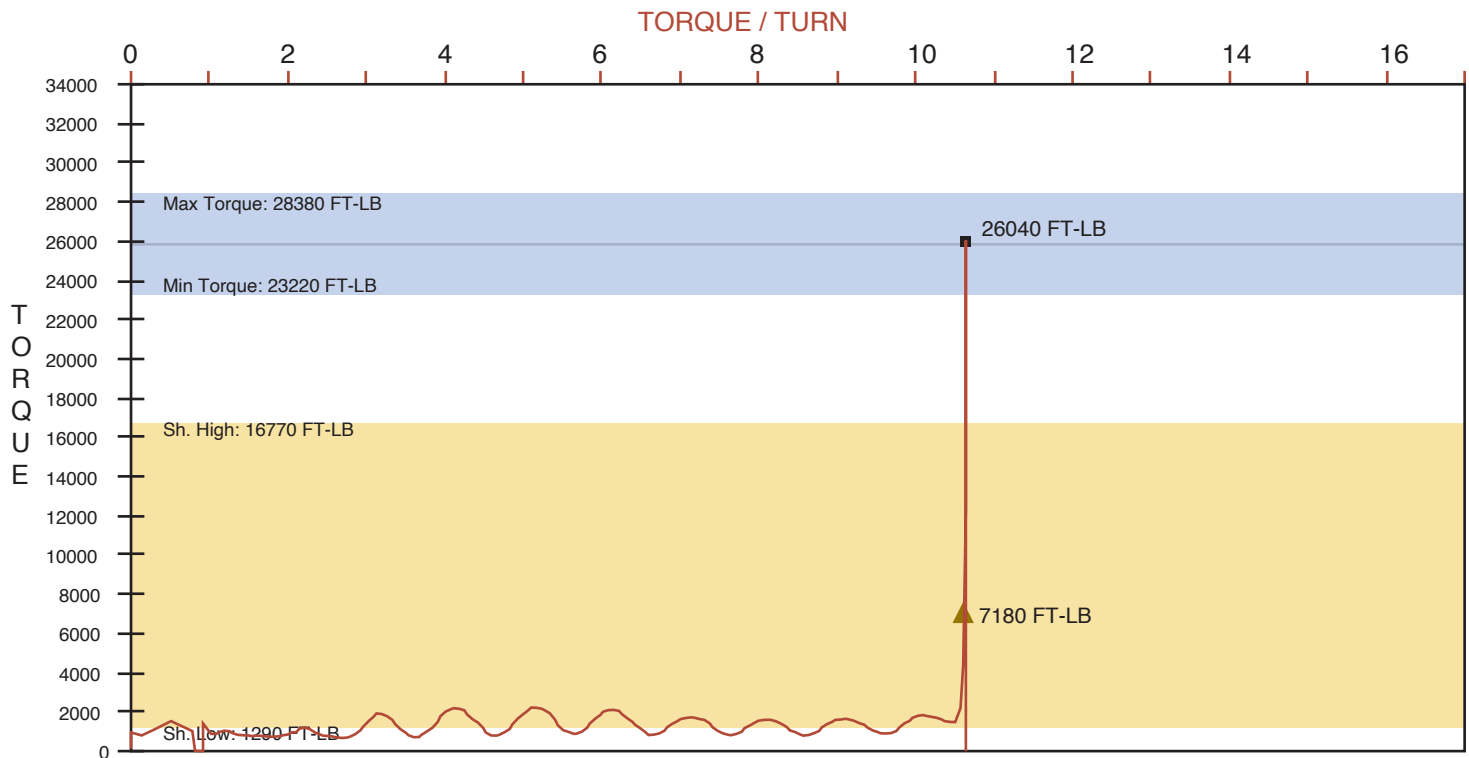


**Joint #: 48****Count #: 48**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 11:00:58 PM**

Heat/Lot#:

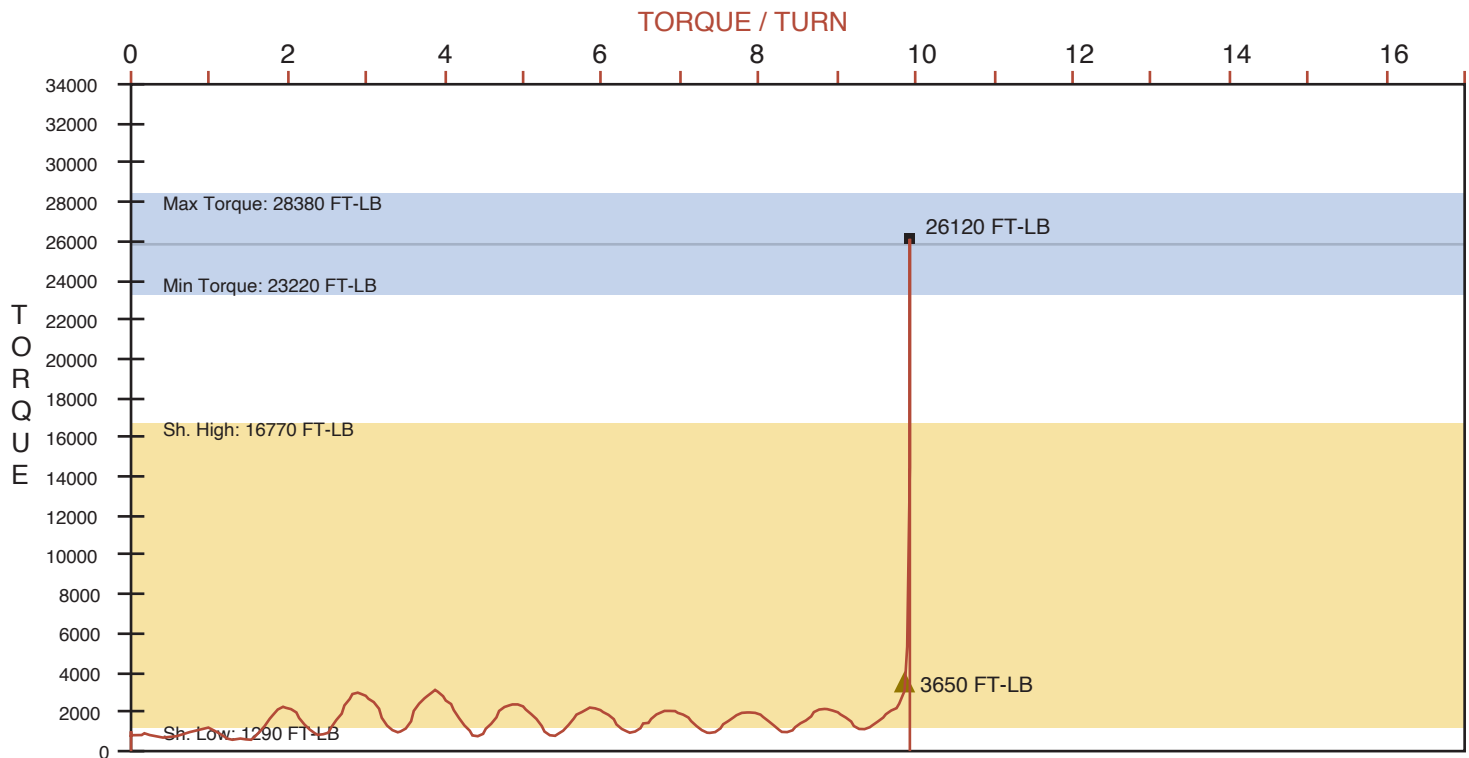
Pipe Length: **37.949 ft**Cumulative Length: **1845.548 ft**Cumulative Weight: **86740.756 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26040 FT-LB**▲ Shoulder Torque: **7180 FT-LB**Final Turns: **10.644**Shoulder Turns: **10.582**Max RPM: **19.080**Shoulder RPM: **1.02**Delta Torque: **18860 FT-LB**Shoulder Slope: **11.696**Delta Turns: **0.062****Notes: Joint 49**

**Joint #: 49****Count #: 49**Job: **9 5/8 Intermediate casing**

Serial#:

Time: **9/30/2023 11:04:24 PM**

Heat/Lot#:

Pipe Length: **37.605 ft**Cumulative Length: **1883.153 ft**Cumulative Weight: **88508.191 lbs**Pipe: **9.625 in | P 110 | 47 lbsft | JFE Bear | JFE Bear | Casing**■ Final Torque: **26120 FT-LB**▲ Shoulder Torque: **3650 FT-LB**Final Turns: **9.94**Shoulder Turns: **9.856**Max RPM: **17.670**Shoulder RPM: **0**Delta Torque: **22470 FT-LB**Shoulder Slope: **10.368**Delta Turns: **0.084****Notes: Joint 50**

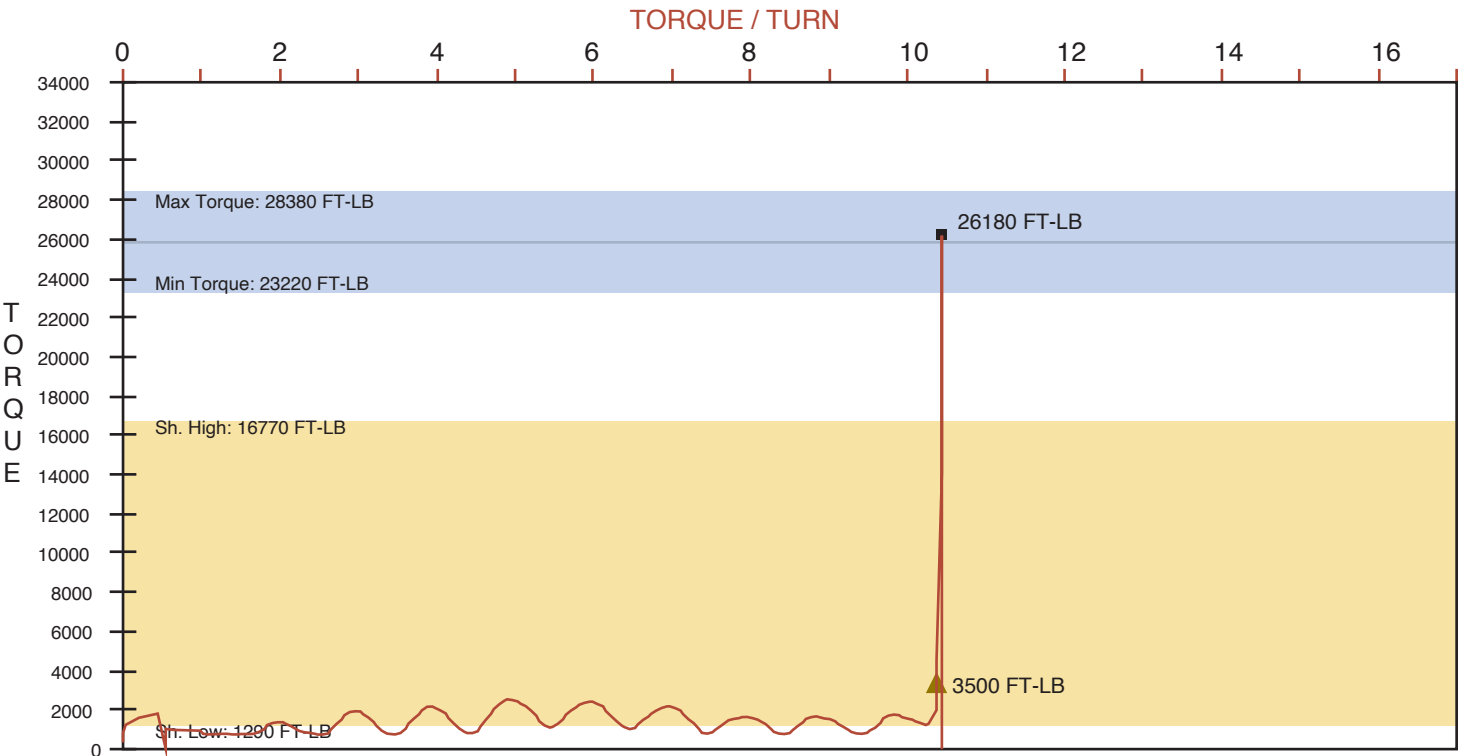
Joint #: 50

Count #: 50

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 11:08:18 PM	Heat/Lot#:	
Pipe Length:	36.752 ft		
Cumulative Length:	1919.905 ft		
Cumulative Weight:	90235.535 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26180 FT-LB	▲ Shoulder Torque:	3500 FT-LB
Final Turns:	10.432	Shoulder Turns:	10.352
Max RPM:	18.930	Shoulder RPM:	0
Delta Torque:	22680 FT-LB	Shoulder Slope:	10.920
Delta Turns:	0.080		

Notes: Joint 51



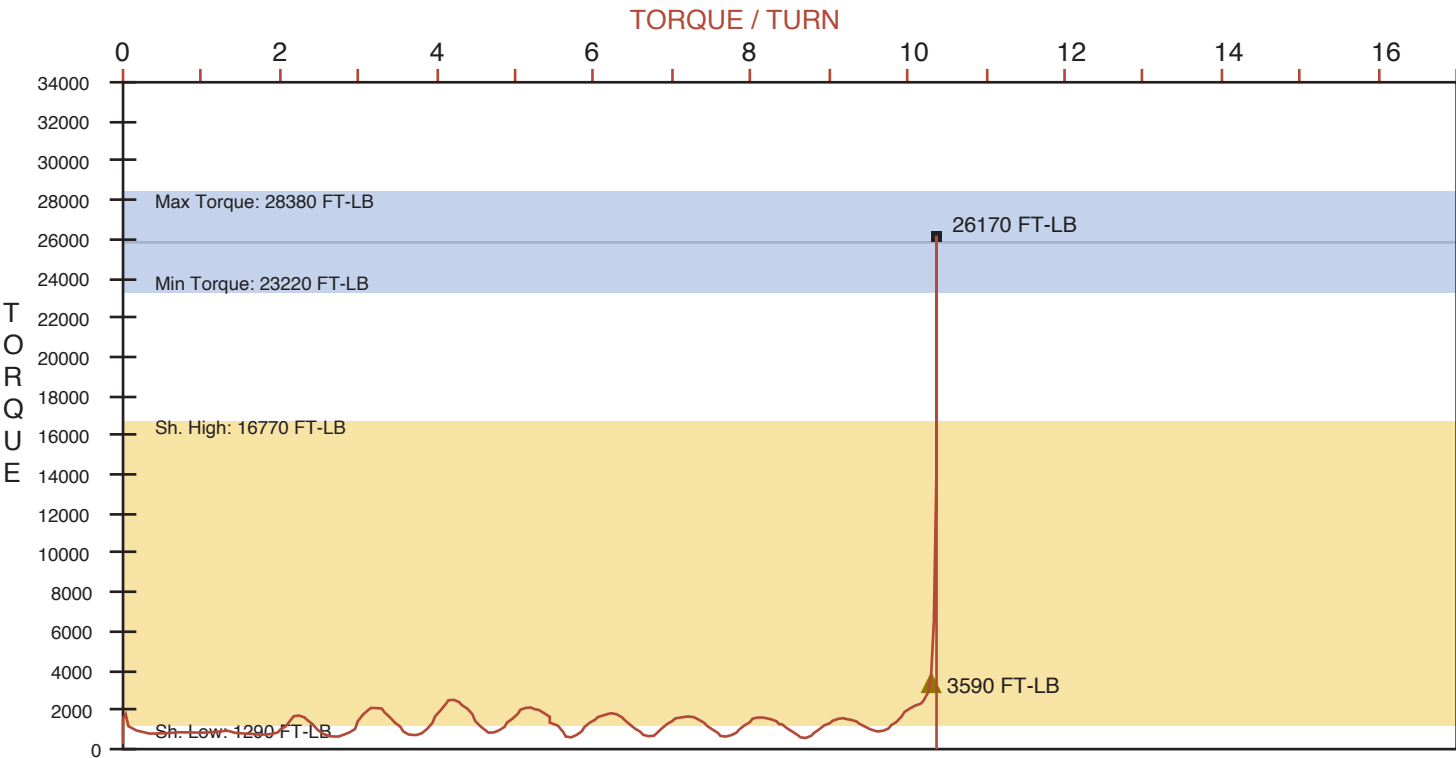
Joint #: 51

Count #: 51

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 11:12:20 PM	Heat/Lot#:	
Pipe Length:	37.621 ft		
Cumulative Length:	1957.526 ft		
Cumulative Weight:	92003.722 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26170 FT-LB	▲ Shoulder Torque:	3590 FT-LB
Final Turns:	10.386	Shoulder Turns:	10.288
Max RPM:	19.230	Shoulder RPM:	0
Delta Torque:	22580 FT-LB	Shoulder Slope:	8.931
Delta Turns:	0.098		

Notes: Joint 52





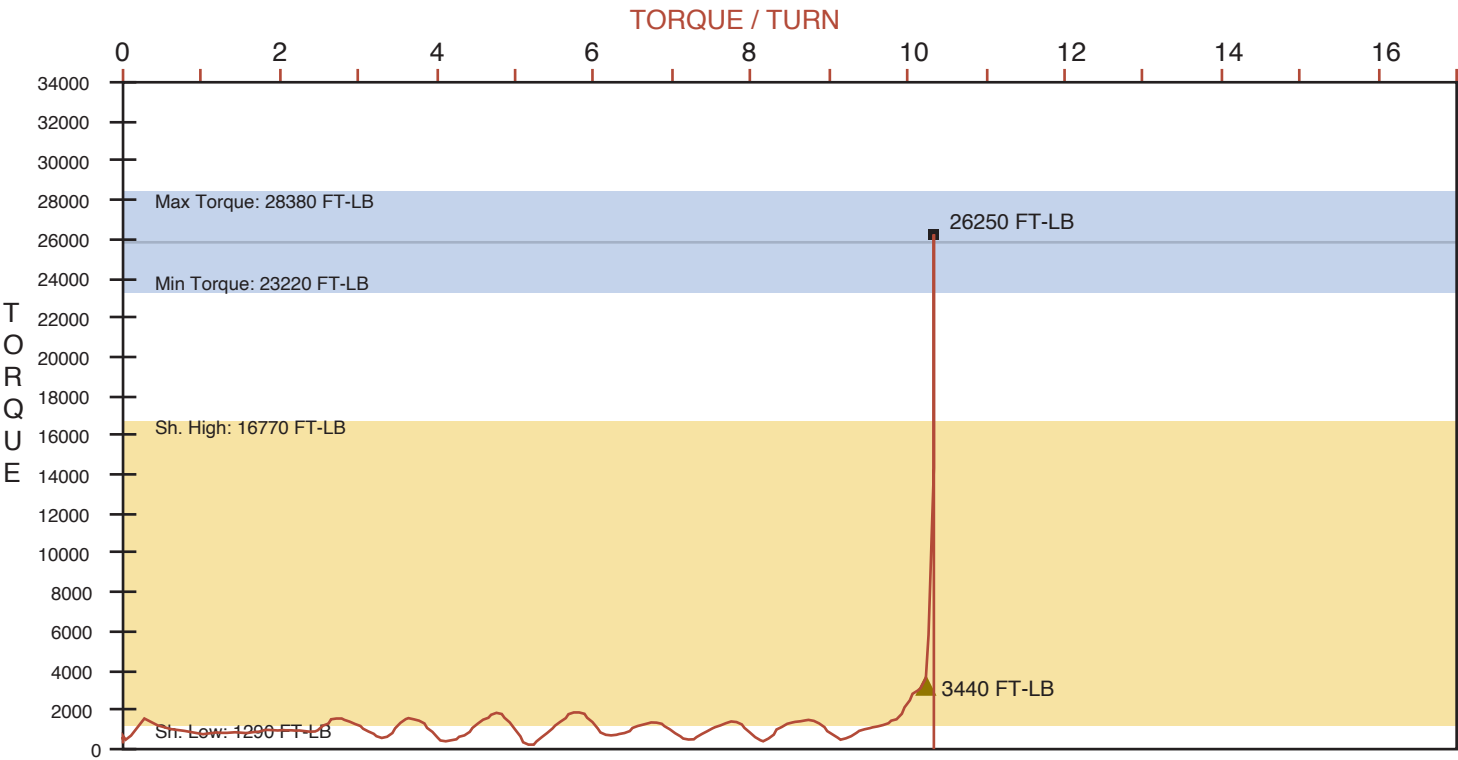
Joint #: 52

Count #: 52

Job:	9 5/8 Intermediate casing	Serial#:	
Time:	9/30/2023 11:17:01 PM	Heat/Lot#:	
Pipe Length:	30.774 ft		
Cumulative Length:	1988.300 ft		
Cumulative Weight:	93450.100 lbs		
Pipe:	9.625 in   P 110   47 lbsft   JFE Bear   JFE Bear   Casing		

■ Final Torque:	26250 FT-LB	▲ Shoulder Torque:	3440 FT-LB
Final Turns:	10.348	Shoulder Turns:	10.214
Max RPM:	19.260	Shoulder RPM:	0
Delta Torque:	22810 FT-LB	Shoulder Slope:	6.623
Delta Turns:	0.134		

Notes: Hanger & Landing Joint





Torque Monitoring Report For:

Well Name: **Amungee NW-3H**

Location: **Beetaloo Basin**

Lot 1: **13650 5.5 23**

Site Rep: **Maurice Verkerk**

Start Date: **10/13/2023 6:12:03 AM**

**Job Name: 5.5 production casing**

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<b>Oil Company:</b>		<b>Casing Company:</b>	DrillQuip
<b>Location:</b>	Beetaloo Basin	<b>Computer Company:</b>	DrillQuip
<b>Well Name:</b>	Amungee NW-3H	<b>Computer Techs:</b>	Campbell, Shaun, Jace
<b>Site Rep:</b>	Maurice Verkerk	<b>Rig Name:</b>	Rig 469

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**Hardware Information:**

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<b>Computer ID:</b>	6	<b>Torque Sub Name:</b>	DP5-04-22 (NC50)
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**Job Notes:**

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Lot 1: 13650 5.5 23

Pipe Grade:	Q125	Connection Type:	VExplorer
Lot Joint Count:	337	Max RPM Setting:	20
Pipe Lot Serial#:	--	Pipe Lot Heat#:	
		Imperial Units	Metric Units
Pipe Size (ID):	Inch   mm	4.67	118.618
Pipe Weight:	lbs/ft   kg/M	23	34.23
Low Shoulder Torque:	ft.lbs   Nm	0	0
High Shoulder Torque:	ft.lbs   Nm	0	0
Min Final Torque:	ft.lbs   Nm	12970	17585
Optimum Torque:	ft.lbs   Nm	13650	18507
Max Final Torque:	ft.lbs   Nm	15020	20364
Lot Casing Ran:	ft   M	12566.11952164	3830.153

## Joint List

Status	Joint#	Name	Length	Torque	Delta-Torq	Notes	Time
	1	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	76.558	13520	- - -	FS joint 1 & joint 2	Oct/14/2023 10:02:53
	2	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13420	- - -	joint 3	Oct/14/2023 10:18:49
	3	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	13410	- - -	joint 4	Oct/14/2023 10:30:14
	4-R1	- - -	36.949	13380	- - -		Oct/14/2023 10:41:44
	4	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.949	13490	- - -	joint 5 + float	Oct/14/2023 10:42:45
	5	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14840	- - -	joint 6	Oct/14/2023 10:58:08
	6	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14500	- - -	joint 7	Oct/14/2023 11:06:28
	7	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.664	14540	- - -	joint 8	Oct/14/2023 11:15:49
	8	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14420	- - -	joint 9	Oct/14/2023 11:24:25
	9	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14390	- - -	joint 10	Oct/14/2023 11:35:46
	10	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14820	- - -	joint 11	Oct/14/2023 11:51:45
	11	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.484	14730	- - -	joint 12	Oct/14/2023 12:00:07
	12	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13780	- - -	joint 13	Oct/14/2023 14:01:24
	13	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13520	- - -	joint 14	Oct/14/2023 14:10:33
	14	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.958	13620	- - -	joint 15	Oct/14/2023 14:20:29
	15	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	13830	- - -	joint 16	Oct/14/2023 14:28:45
	16	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.874	13560	- - -	joint 17	Oct/14/2023 14:35:29
	17	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	13450	- - -	joint 18	Oct/14/2023 14:42:06
	18	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.894	13920	- - -	joint 19	Oct/14/2023 14:47:40
	19	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13610	- - -	joint 20	Oct/14/2023 14:52:45
	20	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.238	13620	- - -	joint 21	Oct/14/2023 14:58:08
	21	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14250	- - -	joint 22	Oct/14/2023 15:03:30
	22	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14250	- - -	joint 23	Oct/14/2023 15:08:48
	23	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13530	- - -	joint 24	Oct/14/2023 15:13:49
	24	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.365	13700	- - -	joint 25	Oct/14/2023 15:19:03
	25	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.703	14350	- - -	joint 26	Oct/14/2023 15:23:37
	26	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.818	13640	- - -	joint 27	Oct/14/2023 15:28:58
	27	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	13790	- - -	joint 28	Oct/14/2023 15:33:37
	28	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	14050	- - -	joint 29	Oct/14/2023 15:39:36
	29	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	13610	- - -	joint 30	Oct/14/2023 15:45:07
	30	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	13810	- - -	joint 31	Oct/14/2023 16:14:17
	31	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	13970	- - -	joint 32	Oct/14/2023 16:18:30
	32	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	33.579	13880	- - -	joint 33	Oct/14/2023 16:24:42
	33	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.690	14300	- - -	joint 34	Oct/14/2023 16:29:52
	34	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.854	13750	- - -	joint 35	Oct/14/2023 16:35:55
	35	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.894	13830	- - -	joint 36	Oct/14/2023 16:43:14
	36	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	13820	- - -	joint 37	Oct/14/2023 16:48:03
	37	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.881	14050	- - -	joint 38	Oct/14/2023 16:53:19
	38	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.864	14240	- - -	joint 39	Oct/14/2023 17:00:14
	39	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.884	14410	- - -	joint 40	Oct/14/2023 17:05:51
	40	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.822	13560	- - -	joint 41	Oct/14/2023 17:10:38
	41	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.835	14390	- - -	joint 42	Oct/14/2023 17:15:32
	42	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	13650	- - -	joint 43	Oct/14/2023 17:20:10
	43	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	14330	- - -	joint 44	Oct/14/2023 17:25:42
	44	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14260	- - -	joint 45	Oct/14/2023 17:34:17

45	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13960	- - -	joint 46	Oct/14/2023 17:38:46
46	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.730	13580	- - -	joint 47	Oct/14/2023 17:44:14
47	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.884	13960	- - -	joint 48	Oct/14/2023 17:50:03
48	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	33.652	14030	- - -	joint 49	Oct/14/2023 17:54:19
49-A1	Pup Joint	19.285	14240	- - -	pup joint A	Oct/14/2023 18:01:26
49	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14300	- - -	joint 50	Oct/14/2023 18:05:22
50	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	14540	- - -	joint 51	Oct/14/2023 18:11:06
51	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.477	14110	- - -	joint 52	Oct/14/2023 18:15:42
52	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	13460	- - -	joint 53	Oct/14/2023 18:44:13
53	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.818	14090	- - -	joint 54	Oct/14/2023 18:49:31
54	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.835	13660	- - -	joint 55	Oct/14/2023 18:55:47
55	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.835	14080	- - -	joint 56	Oct/14/2023 19:06:42
56	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13170	- - -	joint 57	Oct/14/2023 19:10:52
57	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13670	- - -	joint 58	Oct/14/2023 19:18:27
58	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14250	- - -	joint 59	Oct/14/2023 19:31:21
59	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	14290	- - -	joint 60	Oct/14/2023 19:36:49
60	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13020	- - -	joint 61	Oct/14/2023 19:41:05
61	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13850	- - -	joint 62	Oct/14/2023 19:45:47
62	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.762	13030	- - -	joint 63	Oct/14/2023 19:50:20
63	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.991	13540	- - -	joint 64	Oct/14/2023 19:54:42
64	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13710	- - -	joint 65	Oct/14/2023 19:58:46
65	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.615	13870	- - -	joint 66	Oct/14/2023 20:03:10
66	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.864	13910	- - -	joint 67	Oct/14/2023 20:06:55
67	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13220	- - -	joint 68	Oct/14/2023 20:10:47
68	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.831	13140	- - -	joint 69	Oct/14/2023 20:14:38
69	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.621	14160	- - -	joint 70	Oct/14/2023 20:18:45
70	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.831	14160	- - -	joint 71	Oct/14/2023 20:26:28
71	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.680	13280	- - -	joint 72	Oct/14/2023 20:50:25
72	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.434	13970	- - -	joint 73	Oct/14/2023 21:47:51
73	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14090	- - -	joint 74	Oct/14/2023 21:53:17
74	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	14010	- - -	joint 75	Oct/14/2023 21:58:31
75	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13840	- - -	joint 76	Oct/14/2023 22:02:21
76	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	13020	- - -	joint 77	Oct/14/2023 22:08:55
77	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14070	- - -	joint 78	Oct/14/2023 22:10:33
78	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.711	13600	- - -	joint 79	Oct/14/2023 22:16:48
79	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	13830	- - -	joint 80	Oct/14/2023 22:22:28
80	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.818	13330	- - -	joint 81	Oct/14/2023 22:27:03
81	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14420	- - -	joint 82	Oct/14/2023 22:28:17
82	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.825	13970	- - -	joint 83	Oct/14/2023 22:41:19
83	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	14470	- - -	joint 84	Oct/14/2023 22:46:03
84	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	14370	- - -	joint 85	Oct/14/2023 22:50:26
85	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.000	14540	- - -	joint 86	Oct/14/2023 22:54:33
86	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.066	14430	- - -	joint 87	Oct/14/2023 22:59:44
87	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14290	- - -	joint 88	Oct/14/2023 23:05:04
88	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.884	14640	- - -	joint 89	Oct/14/2023 23:10:07
89	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	14460	- - -	joint 90	Oct/14/2023 23:14:34
90	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.835	14470	- - -	joint 91	Oct/14/2023 23:18:04
91	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	14410	- - -	joint 92	Oct/14/2023 23:24:19

92	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.066	14100	- - -	joint 93	Oct/14/2023 23:28:01
93	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.138	14130	- - -	joint 94	Oct/14/2023 23:31:25
94	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	13670	- - -	joint 95	Oct/14/2023 23:37:25
95	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	19.252	13500	- - -	pup B	Oct/15/2023 00:05:33
96	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.066	14930	- - -	joint 96	Oct/15/2023 00:17:54
97	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.753	14190	- - -	joint 97	Oct/15/2023 00:24:39
98	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14310	- - -	joint 98	Oct/15/2023 00:31:10
99	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.758	13550	- - -	joint 99	Oct/15/2023 00:36:43
100	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.026	14310	- - -	joint 100	Oct/15/2023 00:44:45
101	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.663	14460	- - -	joint 101	Oct/15/2023 01:06:03
102	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.596	14350	- - -	joint 102	Oct/15/2023 01:10:33
103	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	33.950	13750	- - -	joint 103	Oct/15/2023 01:15:57
104	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.062	13580	- - -	joint 104	Oct/15/2023 01:22:17
105	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.564	14290	- - -	joint 105	Oct/15/2023 01:28:43
106	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.023	14160	- - -	joint 106	Oct/15/2023 01:32:54
107	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.810	13980	- - -	joint 107	Oct/15/2023 01:37:06
108	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.854	14280	- - -	joint 108	Oct/15/2023 01:40:38
109	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13850	- - -	joint 109	Oct/15/2023 01:45:47
110	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.838	14220	- - -	joint 110	Oct/15/2023 01:50:16
111	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.155	14210	- - -	joint 111	Oct/15/2023 01:55:56
112	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	13880	- - -	joint 112	Oct/15/2023 01:59:31
113	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	13550	- - -	joint 113	Oct/15/2023 02:03:09
114	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.911	13990	- - -	joint 114	Oct/15/2023 02:07:21
115	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14310	- - -	joint 115	Oct/15/2023 02:11:12
116	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	13500	- - -	joint 116	Oct/15/2023 02:15:57
117	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.203	14460	- - -	joint 117	Oct/15/2023 02:20:00
118	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.874	13430	- - -	joint 118	Oct/15/2023 02:24:02
119	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	14510	- - -	joint 119	Oct/15/2023 02:28:09
120	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	13750	- - -	joint 120	Oct/15/2023 02:31:37
121	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.304	14530	- - -	joint 121	Oct/15/2023 02:50:03
122	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.564	14020	- - -	joint 122	Oct/15/2023 02:54:10
123	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14210	- - -	joint 123	Oct/15/2023 03:03:57
124	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.661	14280	- - -	joint 124	Oct/15/2023 03:08:08
125	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.817	14430	- - -	joint 125	Oct/15/2023 03:12:53
126	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14500	- - -	joint 126	Oct/15/2023 03:16:53
127	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.841	14550	- - -	joint 127	Oct/15/2023 03:21:51
128	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.838	13930	- - -	joint 128	Oct/15/2023 03:26:18
129	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	14250	- - -	joint 129	Oct/15/2023 03:30:28
130	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.701	14440	- - -	joint 130	Oct/15/2023 03:36:21
131	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.373	14690	- - -	joint 131	Oct/15/2023 03:41:03
132	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.838	14030	- - -	joint 132	Oct/15/2023 03:45:25
133	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.838	14410	- - -	joint 133	Oct/15/2023 03:49:03
134	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.838	14500	- - -	joint 134	Oct/15/2023 03:53:13
135	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.818	14030	- - -	joint 135	Oct/15/2023 03:57:28
136	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	14140	- - -	joint 136	Oct/15/2023 04:01:22
137	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.869	14340	- - -	joint 137	Oct/15/2023 04:04:51
138	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.466	14380	- - -	joint 138	Oct/15/2023 04:08:59
139	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	33.885	13690	- - -	joint 139	Oct/15/2023 04:13:28

	140	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	14410	- - -	joint 140	Oct/15/2023 04:18:19
	141	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	14010	- - -	joint 141	Oct/15/2023 04:33:41
	142	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.874	14100	- - -	joint 142	Oct/15/2023 04:38:22
	143	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.887	14540	- - -	joint 143	Oct/15/2023 04:42:53
	144	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.608	14470	- - -	joint 144	Oct/15/2023 04:46:34
	145	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.079	14480	- - -	joint 145	Oct/15/2023 04:51:54
	146	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	14560	- - -	joint 146	Oct/15/2023 04:56:40
	147	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	14330	- - -	joint 147	Oct/15/2023 05:00:37
	148	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14210	- - -	joint 148	Oct/15/2023 05:04:02
	149	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	14500	- - -	joint 149	Oct/15/2023 05:07:28
	150	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.298	14560	- - -	joint 150	Oct/15/2023 05:11:37
	151	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.854	14360	- - -	joint 151	Oct/15/2023 05:15:04
	152	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.581	14410	- - -	joint 152	Oct/15/2023 05:19:47
	153	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.570	14420	- - -	joint 153	Oct/15/2023 05:24:34
	154	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14390	- - -	joint 154	Oct/15/2023 05:28:55
	155-A1	Pup Joint	19.249	14310	- - -	pup C	Oct/15/2023 05:33:35
	155	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14410	- - -	joint 155	Oct/15/2023 05:37:08
	156	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14490	- - -	joint 156	Oct/15/2023 05:40:53
	157	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14420	- - -	joint 157	Oct/15/2023 05:44:50
	158	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	14450	- - -	joint 158	Oct/15/2023 05:48:38
	159	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.854	14410	- - -	joint 159	Oct/15/2023 05:51:52
	160	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.831	14510	- - -	joint 160	Oct/15/2023 05:55:38
	161	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14710	- - -	joint 161	Oct/15/2023 06:12:57
	162	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14460	- - -	joint 162	Oct/15/2023 06:16:58
	163	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14580	- - -	joint 163	Oct/15/2023 06:20:48
	164	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	14540	- - -	joint 164	Oct/15/2023 06:24:19
	165	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14110	- - -	joint 165	Oct/15/2023 06:28:20
	166	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	14590	- - -	joint 166	Oct/15/2023 06:32:09
	167	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14640	- - -	joint 167	Oct/15/2023 06:35:27
	168	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.789	14550	- - -	joint 168	Oct/15/2023 06:38:52
	169	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.835	14730	- - -	joint 169	Oct/15/2023 06:42:28
	170	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	14310	- - -	joint 170	Oct/15/2023 06:46:02
	171	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.795	14260	- - -	joint 171	Oct/15/2023 06:50:00
	172	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14710	- - -	joint 172	Oct/15/2023 06:53:53
	173	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14740	- - -	joint 173	Oct/15/2023 06:57:38
	174	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14510	- - -	joint 174	Oct/15/2023 07:00:59
	175	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13610	- - -	joint 175	Oct/15/2023 07:05:36
	176	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14660	- - -	joint 176	Oct/15/2023 07:09:15
	177	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14570	- - -	joint 177	Oct/15/2023 07:13:09
	178	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.818	14770	- - -	joint 178	Oct/15/2023 07:17:25
	179	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	14620	- - -	joint 179	Oct/15/2023 07:20:32
	180	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.884	14640	- - -	joint 180	Oct/15/2023 07:23:52
	181	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	14530	- - -	joint 181	Oct/15/2023 07:39:56
	182	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13950	- - -	joint 182	Oct/15/2023 07:43:55
	183	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.848	14390	- - -	joint 183	Oct/15/2023 07:47:25
	184	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.286	14480	- - -	joint 184	Oct/15/2023 07:50:43
	185	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.886	14440	- - -	joint 185	Oct/15/2023 07:53:48
	186	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.482	14630	- - -	joint 186	Oct/15/2023 07:57:39



187	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.411	14530	- - -	joint 187	Oct/15/2023 08:01:23
188	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	14230	- - -	joint 188	Oct/15/2023 08:04:36
189	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	14650	- - -	joint 189	Oct/15/2023 08:08:02
190	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	14570	- - -	joint 190	Oct/15/2023 08:11:02
191	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.402	14530	- - -	joint 191	Oct/15/2023 08:14:06
192	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.171	14560	- - -	joint 192	Oct/15/2023 08:17:31
193	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.302	14590	- - -	joint 193	Oct/15/2023 08:20:52
194	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.810	14540	- - -	joint 194	Oct/15/2023 08:24:21
195	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.835	14530	- - -	joint 195	Oct/15/2023 08:28:54
196	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.319	14530	- - -	joint 196	Oct/15/2023 08:32:52
197	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.079	14530	- - -	joint 197	Oct/15/2023 08:36:48
198	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.841	14660	- - -	joint 198	Oct/15/2023 08:41:29
199	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.483	14280	- - -	joint 199	Oct/15/2023 08:44:54
200	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.992	14680	- - -	joint 200	Oct/15/2023 08:48:05
201	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.073	14510	- - -	joint 201	Oct/15/2023 09:02:57
202	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.999	14570	- - -	joint 202	Oct/15/2023 09:07:38
203	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	38.232	14590	- - -	joint 203	Oct/15/2023 09:11:30
204	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.951	13740	- - -	joint 204	Oct/15/2023 09:15:13
205	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.959	14720	- - -	joint 205	Oct/15/2023 09:18:33
206	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.384	14490	- - -	joint 206	Oct/15/2023 09:22:11
207	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	38.005	14320	- - -	joint 207	Oct/15/2023 09:25:48
208	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	33.832	14720	- - -	joint 208	Oct/15/2023 09:30:29
209	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.841	14530	- - -	joint 209	Oct/15/2023 09:34:02
210	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.491	14660	- - -	joint 210	Oct/15/2023 09:37:41
211	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.974	14510	- - -	joint 211	Oct/15/2023 09:41:45
212	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.354	14530	- - -	joint 212	Oct/15/2023 09:44:58
213	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.367	14670	- - -	joint 213	Oct/15/2023 09:48:31
214	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14550	- - -	joint 214	Oct/15/2023 09:51:22
215	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14630	- - -	joint 215	Oct/15/2023 09:54:36
216	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	14560	- - -	joint 216	Oct/15/2023 09:57:55
217	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14480	- - -	joint 217	Oct/15/2023 10:01:26
218	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.974	14680	- - -	joint 218	Oct/15/2023 10:05:10
219	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.841	14750	- - -	joint 219	Oct/15/2023 10:08:53
220	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.687	14610	- - -	joint 220	Oct/15/2023 10:12:41
221	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14610	- - -	joint 221	Oct/15/2023 10:29:04
222	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	14500	- - -	joint 222	Oct/15/2023 10:32:30
223	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.822	14710	- - -	joint 223	Oct/15/2023 10:37:04
224	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.730	14470	- - -	joint 224	Oct/15/2023 10:40:37
225	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	13970	- - -	joint 225	Oct/15/2023 10:43:39
226	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.841	14490	- - -	joint 226	Oct/15/2023 10:46:56
227	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.276	14700	- - -	joint 227	Oct/15/2023 10:50:09
228	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14530	- - -	joint 228	Oct/15/2023 10:53:53
229	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.434	14500	- - -	joint 229	Oct/15/2023 10:57:18
230	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	14630	- - -	joint 230	Oct/15/2023 11:00:39
231	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14460	- - -	joint 231	Oct/15/2023 11:04:26
232	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.731	14380	- - -	joint 232	Oct/15/2023 11:07:32
233	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	14580	- - -	joint 233	Oct/15/2023 11:11:31
234	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	13860	- - -	joint 234	Oct/15/2023 11:14:51

235	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.874	14230	- - -	joint 235	Oct/15/2023 11:18:41
236	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	14670	- - -	joint 236	Oct/15/2023 11:21:56
237	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.835	14620	- - -	joint 237	Oct/15/2023 11:25:08
238	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.838	14510	- - -	joint 238	Oct/15/2023 11:28:30
239	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	14540	- - -	joint 239	Oct/15/2023 11:31:52
240	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.618	14730	- - -	joint 240	Oct/15/2023 11:36:25
241	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.854	14440	- - -	joint 241	Oct/15/2023 11:39:54
242	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14500	- - -	joint 242	Oct/15/2023 11:43:17
243	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14410	- - -	joint 243	Oct/15/2023 11:46:19
244	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14450	- - -	joint 244	Oct/15/2023 11:49:24
245	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.854	14630	- - -	joint 245	Oct/15/2023 11:52:52
246	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.812	14300	- - -	joint 246	Oct/15/2023 11:56:25
247	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.405	14200	- - -	joint 247	Oct/15/2023 12:00:01
248	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.720	14450	- - -	joint 248	Oct/15/2023 12:03:03
249	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.974	14370	- - -	joint 249	Oct/15/2023 12:07:26
250	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.214	14090	- - -	joint 250	Oct/15/2023 12:11:45
251	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.756	13900	- - -	joint 251	Oct/15/2023 12:21:27
252	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14220	- - -	joint 252	Oct/15/2023 12:24:45
253	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.827	13840	- - -	joint 253	Oct/15/2023 12:27:52
254	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14430	- - -	joint 254	Oct/15/2023 12:31:16
255	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	13990	- - -	joint 255	Oct/15/2023 12:35:07
256	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14500	- - -	joint 256	Oct/15/2023 12:38:22
257	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.164	13580	- - -	joint 257	Oct/15/2023 12:42:15
258	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.022	14160	- - -	joint 258	Oct/15/2023 12:45:27
259	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	13450	- - -	joint 259	Oct/15/2023 12:48:35
260	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.293	13540	- - -	joint 260	Oct/15/2023 12:51:59
261	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	14310	- - -	joint 261	Oct/15/2023 12:55:14
262	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.279	13280	- - -	joint 262	Oct/15/2023 12:59:07
263	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.578	13620	- - -	joint 263	Oct/15/2023 13:03:19
264	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.751	14190	- - -	joint 264	Oct/15/2023 13:06:36
265	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.371	14180	- - -	joint 265	Oct/15/2023 13:09:46
266	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.703	13730	- - -	joint 266	Oct/15/2023 13:13:08
267	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.723	13610	- - -	joint 267	Oct/15/2023 13:16:28
268	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	13990	- - -	joint 268	Oct/15/2023 13:19:47
269	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.874	14360	- - -	joint 269	Oct/15/2023 13:23:53
270	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.638	13780	- - -	joint 270	Oct/15/2023 13:27:56
271	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.887	14020	- - -	joint 271	Oct/15/2023 13:32:12
272	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.854	13600	- - -	joint 272	Oct/15/2023 13:52:27
273	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	13660	- - -	joint 273	Oct/15/2023 13:57:09
274	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.443	14310	- - -	joint 274	Oct/15/2023 14:00:47
275	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	14450	- - -	joint 275	Oct/15/2023 14:06:33
276	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	36.207	14000	- - -	joint 276	Oct/15/2023 14:10:17
277	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	14060	- - -	joint 277	Oct/15/2023 14:13:53
278	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.818	14210	- - -	joint 278	Oct/15/2023 14:16:47
279	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14240	- - -	joint 279	Oct/15/2023 14:20:37
280	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.944	14220	- - -	joint 280	Oct/15/2023 14:23:59
281	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	15300	- - -	joint 281	Oct/15/2023 14:27:56
282	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.570	14330	- - -	joint 282	Oct/15/2023 14:31:16

	283	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14300	- - -	joint 283	Oct/15/2023 14:34:14
	284	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.990	14180	- - -	joint 284	Oct/15/2023 14:37:31
	285	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	13090	- - -	joint 285	Oct/15/2023 14:41:09
	286	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.793	14300	- - -	joint 286	Oct/15/2023 14:44:52
	287	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.864	13900	- - -	joint 287	Oct/15/2023 14:48:20
	288	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.881	14280	- - -	joint 288	Oct/15/2023 14:51:32
	289	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	14170	- - -	joint 289	Oct/15/2023 14:55:22
	290	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.944	15010	- - -	joint 290	Oct/15/2023 14:59:32
	291	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	13570	- - -	joint 291	Oct/15/2023 15:02:55
	292	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.531	14400	- - -	joint 292	Oct/15/2023 15:06:11
	293	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.543	13330	- - -	joint 293	Oct/15/2023 15:09:05
	294	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.104	13710	- - -	joint 294	Oct/15/2023 15:12:10
	295	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.615	14340	- - -	joint 295	Oct/15/2023 15:15:13
	296	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.615	13600	- - -	joint 296	Oct/15/2023 15:18:43
	297	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.867	14390	- - -	joint 297	Oct/15/2023 15:21:46
	298	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	13970	- - -	joint 298	Oct/15/2023 15:25:50
	299	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.482	13520	- - -	joint 299	Oct/15/2023 15:29:22
	300	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14030	- - -	joint 300	Oct/15/2023 15:33:17
	301	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.822	13130	- - -	joint 301	Oct/15/2023 16:00:01
	302	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.147	13060	- - -	joint 302	Oct/15/2023 16:04:23
	303	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.851	13800	- - -	joint 303	Oct/15/2023 16:08:24
	304	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.423	13320	- - -	joint 304	Oct/15/2023 16:12:12
	305	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14060	- - -	joint 305	Oct/15/2023 16:16:53
	306	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.894	15440	- - -	joint 306	Oct/15/2023 16:21:29
	307	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.257	14060	- - -	joint 307	Oct/15/2023 16:24:49
	308	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.871	13060	- - -	joint 308	Oct/15/2023 16:28:32
	309	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	15200	- - -	joint 309	Oct/15/2023 16:32:37
	310	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.861	13780	- - -	joint 310	Oct/15/2023 16:36:39
	311	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.818	13350	- - -	joint 311	Oct/15/2023 16:40:04
	312	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.854	13840	- - -	joint 312	Oct/15/2023 16:44:06
	313	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.854	13550	- - -	joint 313	Oct/15/2023 16:47:17
	314	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.858	13680	- - -	joint 314	Oct/15/2023 16:50:25
	315	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.270	13400	- - -	joint 315	Oct/15/2023 16:53:40
	316	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.841	13070	- - -	joint 316	Oct/15/2023 17:07:57
	317	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	13960	- - -	joint 317	Oct/15/2023 17:11:22
	318	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.815	13360	- - -	joint 318	Oct/15/2023 17:15:22
	319	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.822	14330	- - -	joint 319	Oct/15/2023 17:20:19
	320	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.925	13980	- - -	joint 320	Oct/15/2023 17:24:19
	321	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.254	13620	- - -	joint 321	Oct/15/2023 17:28:05
	322	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.877	13770	- - -	joint 322	Oct/15/2023 17:31:19
	323	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	34.324	13250	- - -	joint 323	Oct/15/2023 17:36:10
	324	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.254	14470	- - -	joint 324	Oct/15/2023 17:40:45
	325	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	13750	- - -	joint 325	Oct/15/2023 17:44:55
	326	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14180	- - -	joint 326	Oct/15/2023 17:49:09
	327	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.818	13470	- - -	joint 327	Oct/15/2023 17:52:27
	328	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.815	15210	- - -	joint 328	Oct/15/2023 18:07:30
	329	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.841	13290	- - -	joint 329	Oct/15/2023 18:11:32
	330	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	14000	- - -	joint 330	Oct/15/2023 18:15:16

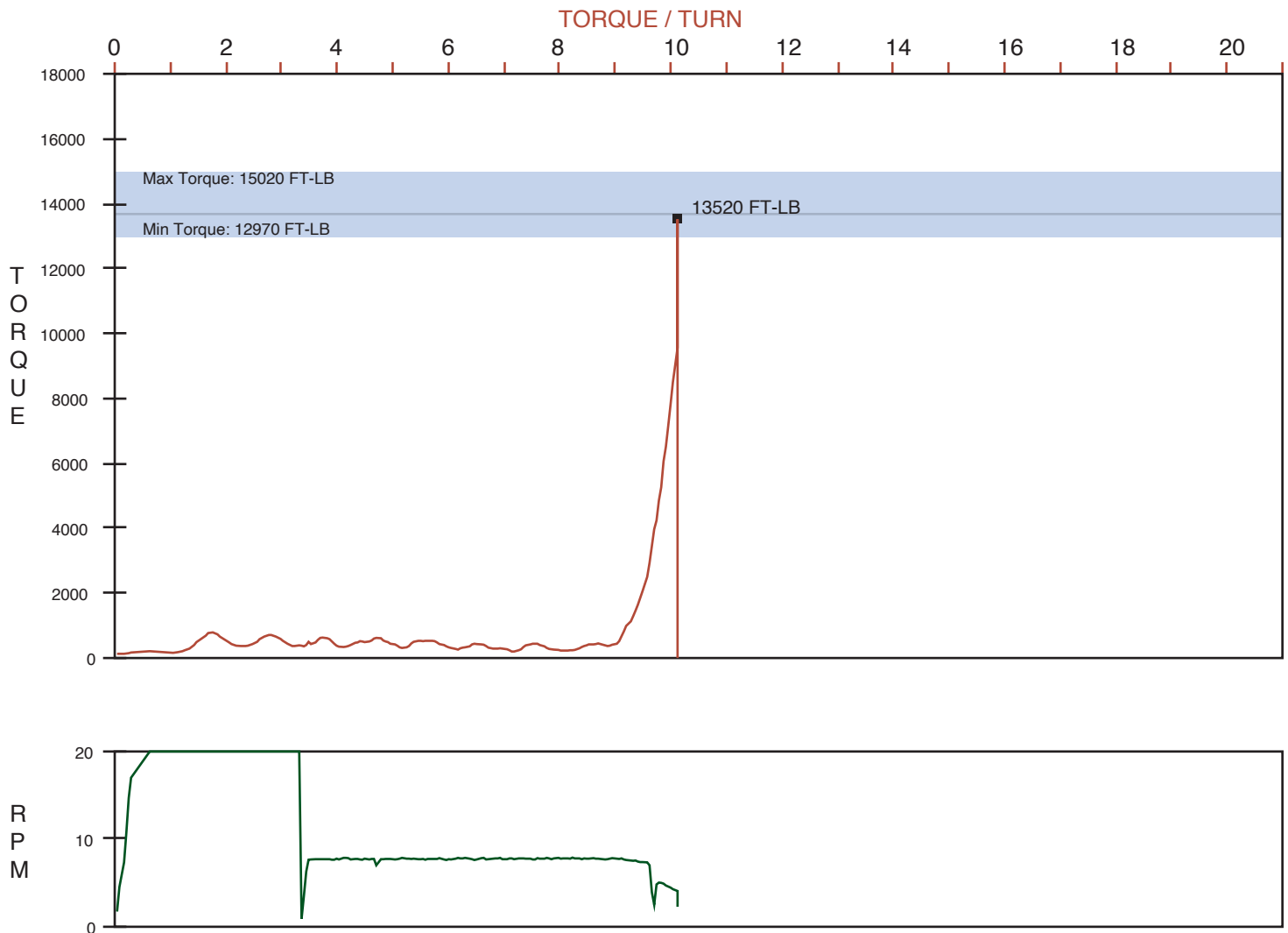
331	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.844	13960	- - -	joint 331	Oct/15/2023 18:19:13
332	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	13590	- - -	joint 332	Oct/15/2023 18:23:03
333	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.828	14240	- - -	joint 333	Oct/15/2023 18:26:40
334	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	37.831	13980	- - -	joint 334	Oct/15/2023 18:31:29
335	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	35.217	13180	- - -	joint 335	Oct/15/2023 18:36:56
336	5.5 in   Q125   23 lbsft   VExplorer   VExplorer   Casing	51.040	14260	- - -	pup D + pup E + hanger assembly	Oct/15/2023 18:44:35

**Joint #: 1****Count #: 1**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 10:02:53 AM**

Heat/Lot#:

Pipe Length: **76.558 ft**Cumulative Length: **76.558 ft**Cumulative Weight: **1760.834 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13520 FT-LB**Final Turns: **10.108**Max RPM: **42.570**Delta Torque: **0 FT-LB**Delta Turns: **0**Notes: **FS joint 1 & joint 2**

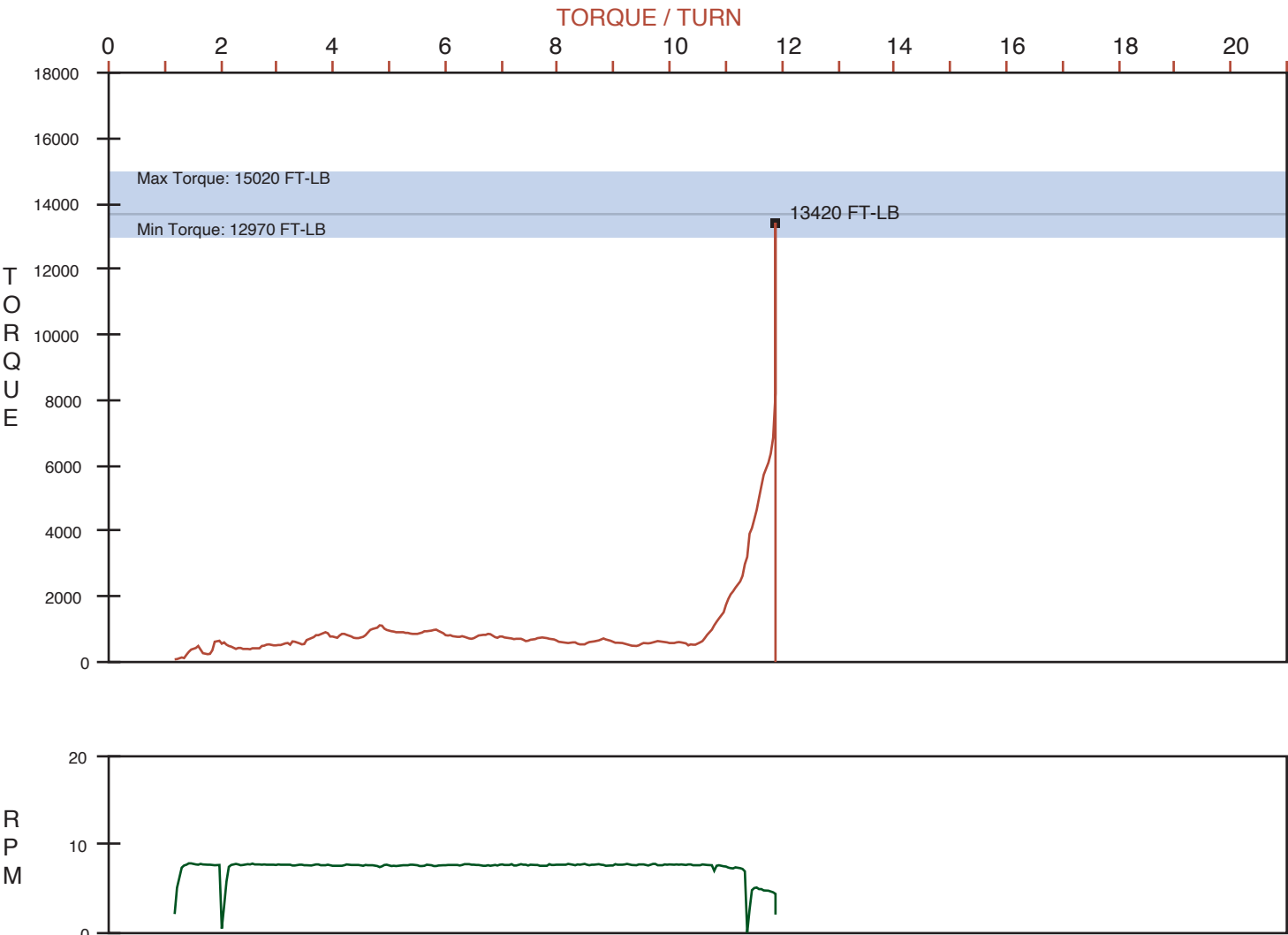
Joint #: 2

Count #: 2

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:18:49 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	114.419 ft		
Cumulative Weight:	2631.637 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13420 FT-LB
Final Turns:	11.887
Max RPM:	8.460
Delta Torque:	2820 FT-LB
Delta Turns:	0.017

Notes: joint 3



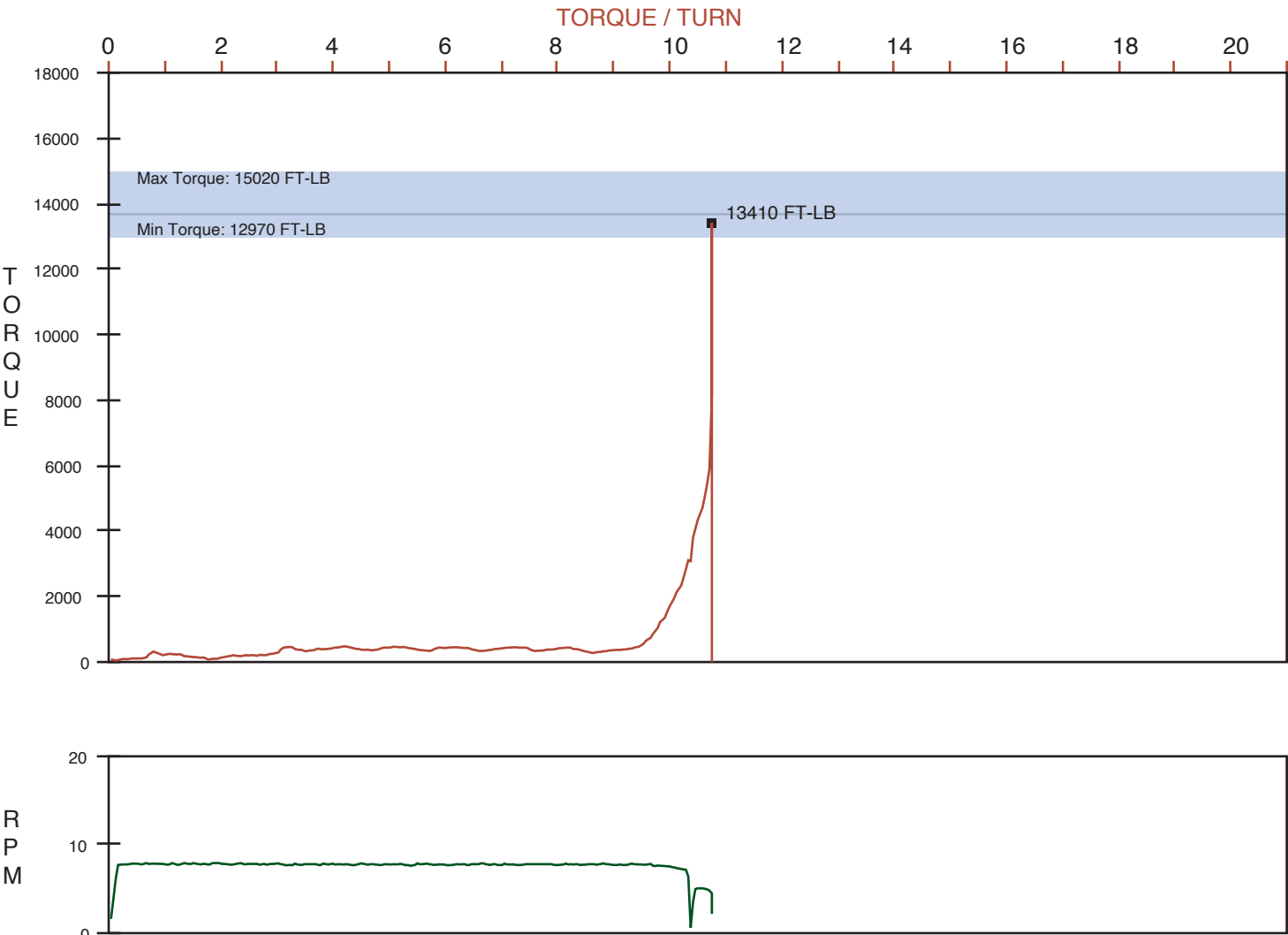
Joint #: 3

Count #: 3

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:30:14 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	152.247 ft		
Cumulative Weight:	3501.681 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13410 FT-LB
Final Turns:	10.750
Max RPM:	8.490
Delta Torque:	5250 FT-LB
Delta Turns:	0.043

Notes: joint 4



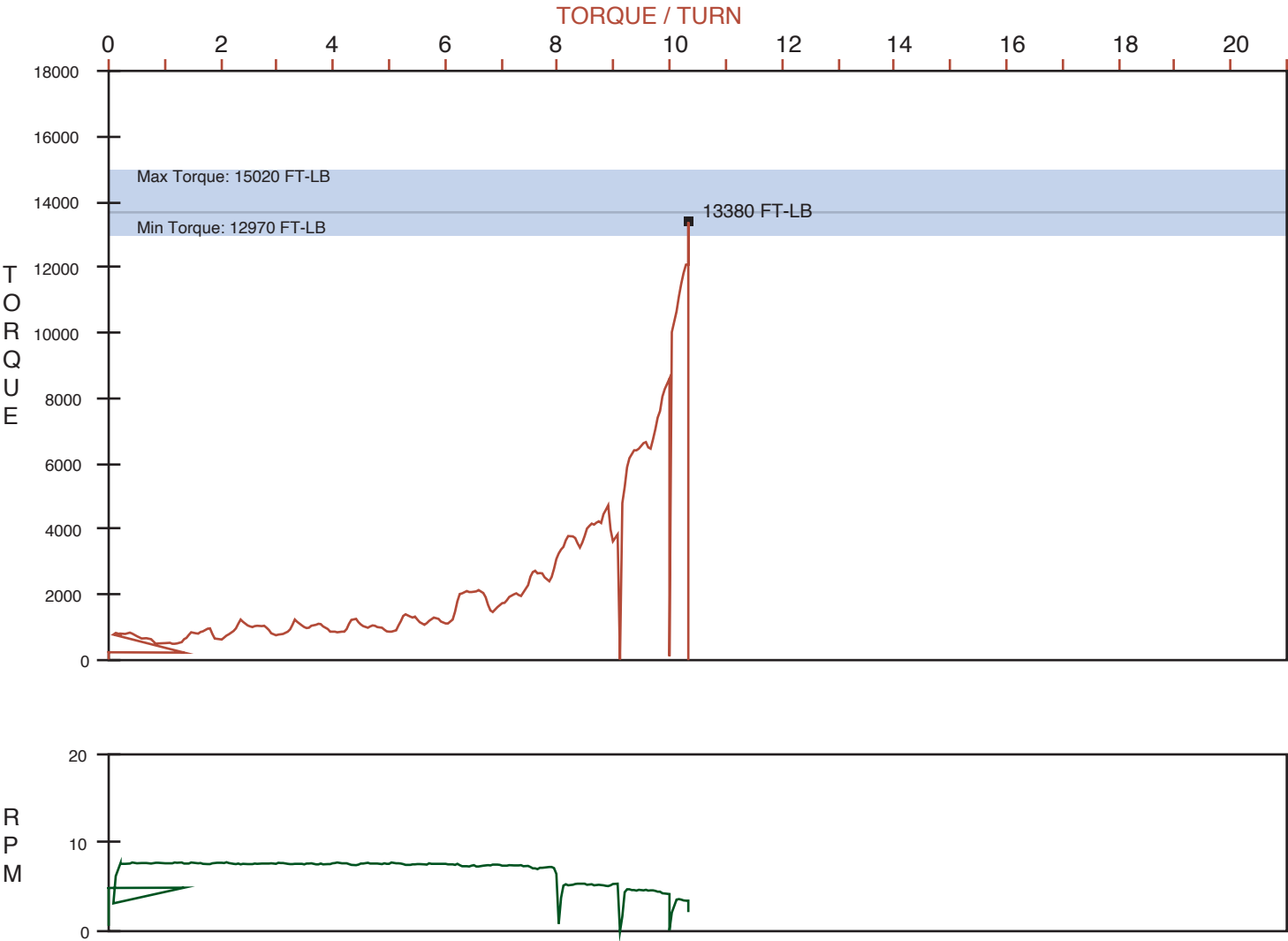
Joint #: 4-R1

Count #:

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:41:44 AM	Heat/Lot#:	
Pipe Length:	36.949 ft		
Cumulative Length:	0 ft		
Cumulative Weight:	0 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13380 FT-LB
Final Turns:	10.338
Max RPM:	80.370
Delta Torque:	790 FT-LB
Delta Turns:	0.004

Notes:





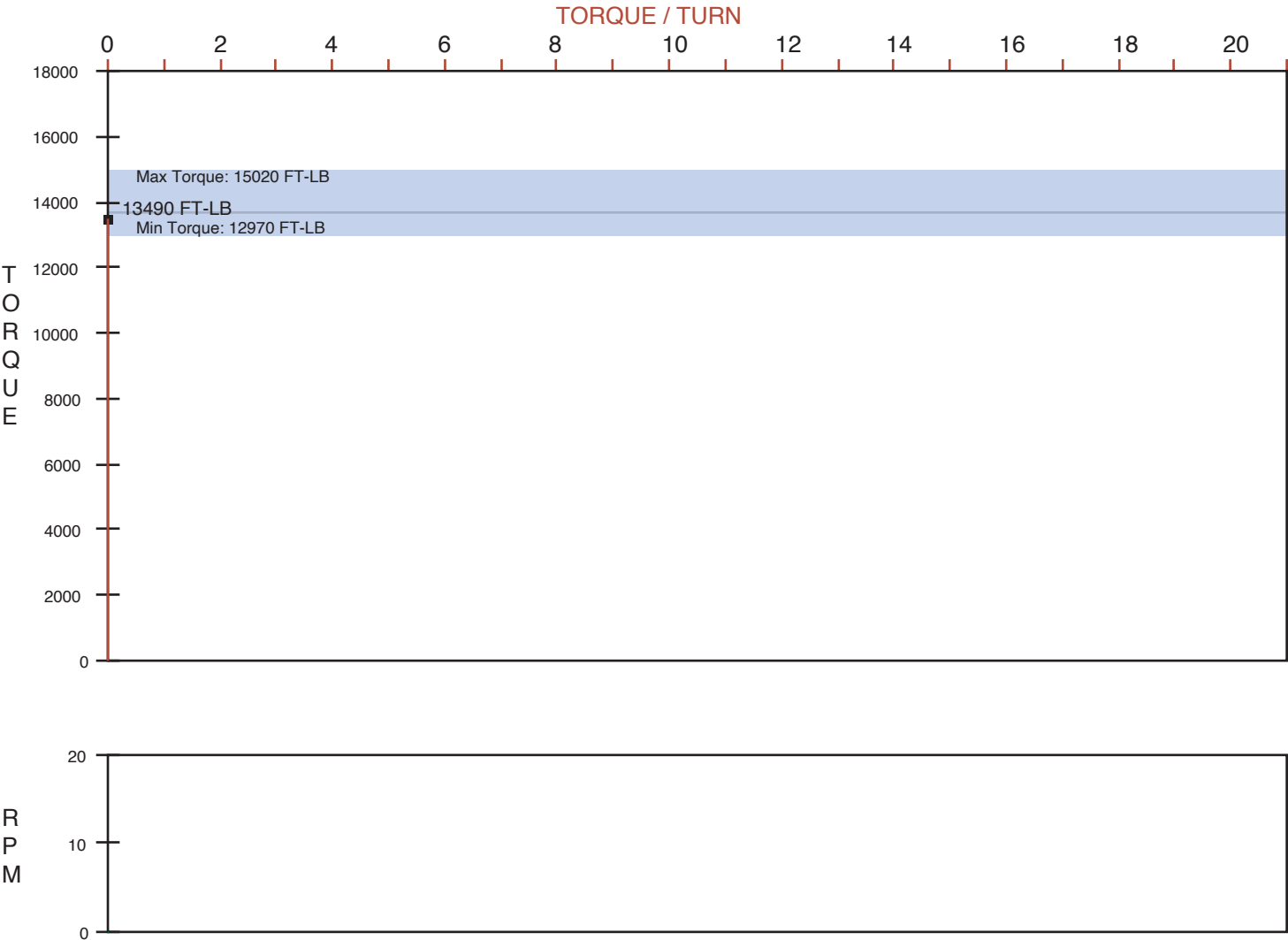
Joint #: 4

Count #: 4

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:42:45 AM	Heat/Lot#:	
Pipe Length:	36.949 ft		
Cumulative Length:	189.196 ft		
Cumulative Weight:	4351.508 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13490 FT-LB
Final Turns:	0.010
Max RPM:	1.350
Delta Torque:	0 FT-LB
Delta Turns:	0

Notes: joint 5 + float



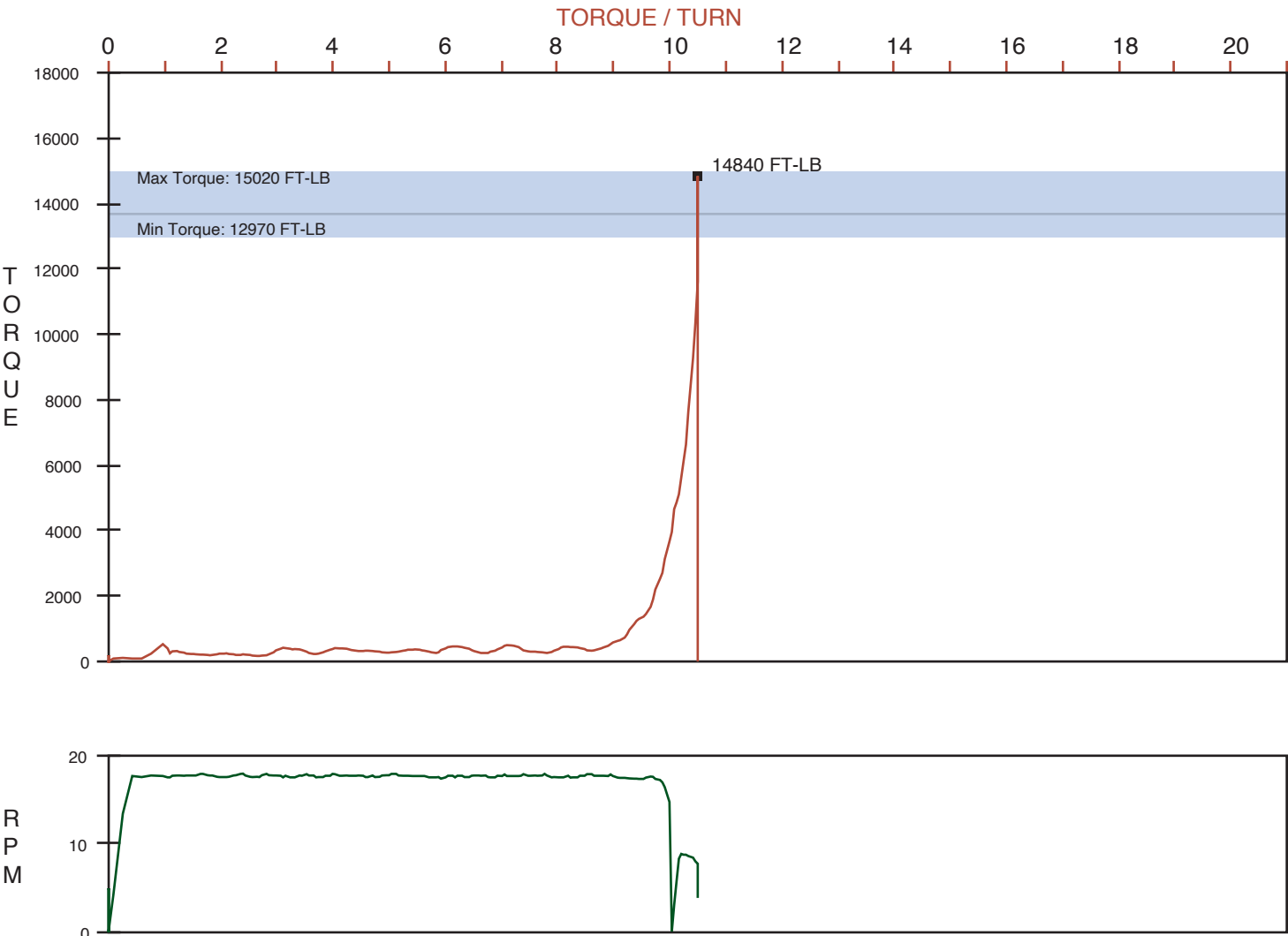
Joint #: 5

Count #: 5

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:58:08 AM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	227.040 ft		
Cumulative Weight:	5221.920 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14840 FT-LB
Final Turns:	10.519
Max RPM:	17.970
Delta Torque:	7200 FT-LB
Delta Turns:	0.210

Notes: joint 6

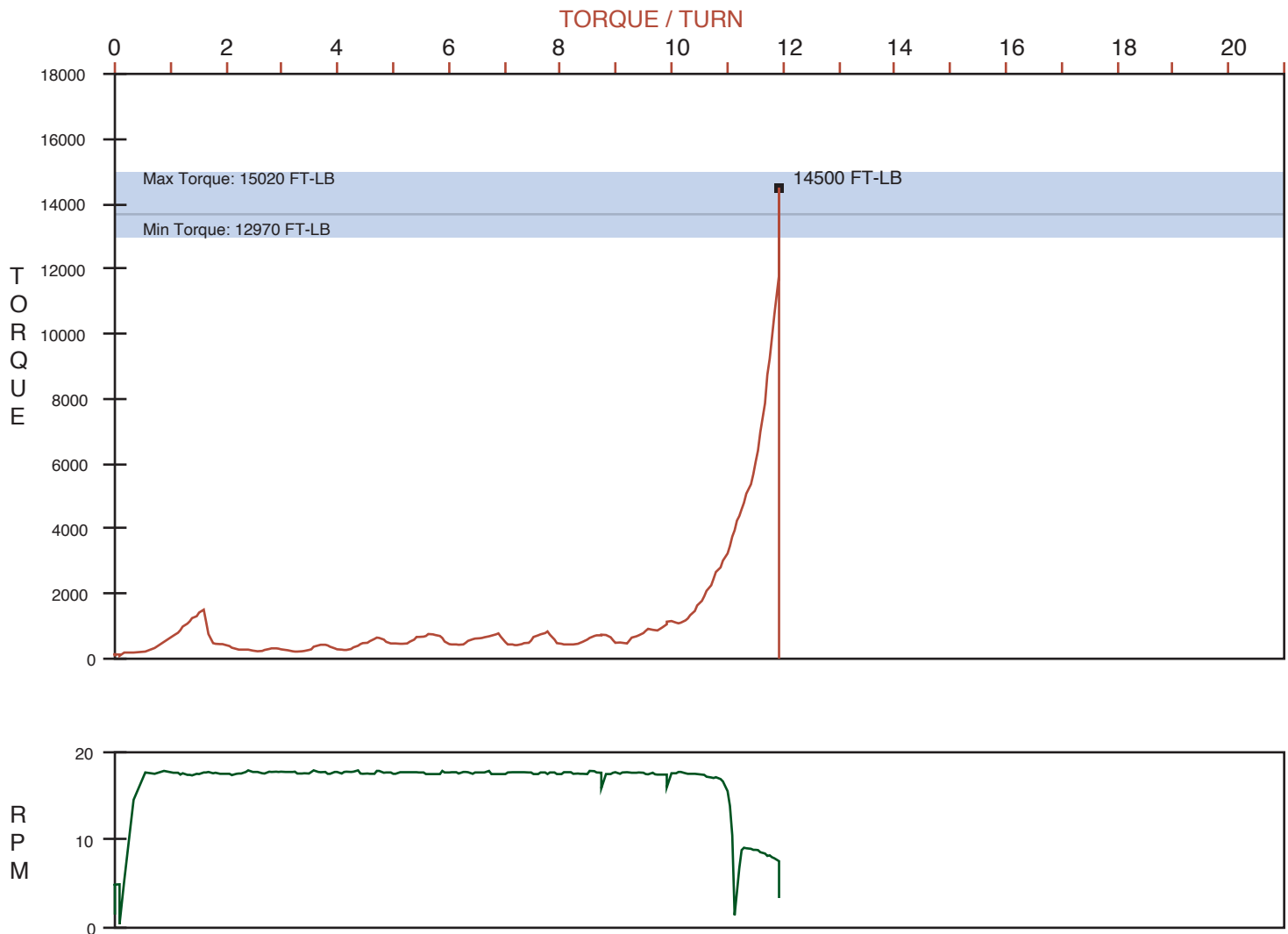


**Joint #: 6****Count #: 6**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:06:28 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	264.901 ft		
Cumulative Weight:	6092.723 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14500 FT-LB
Final Turns:	11.912
Max RPM:	19.320
Delta Torque:	1610 FT-LB
Delta Turns:	0.010

Notes: joint 7



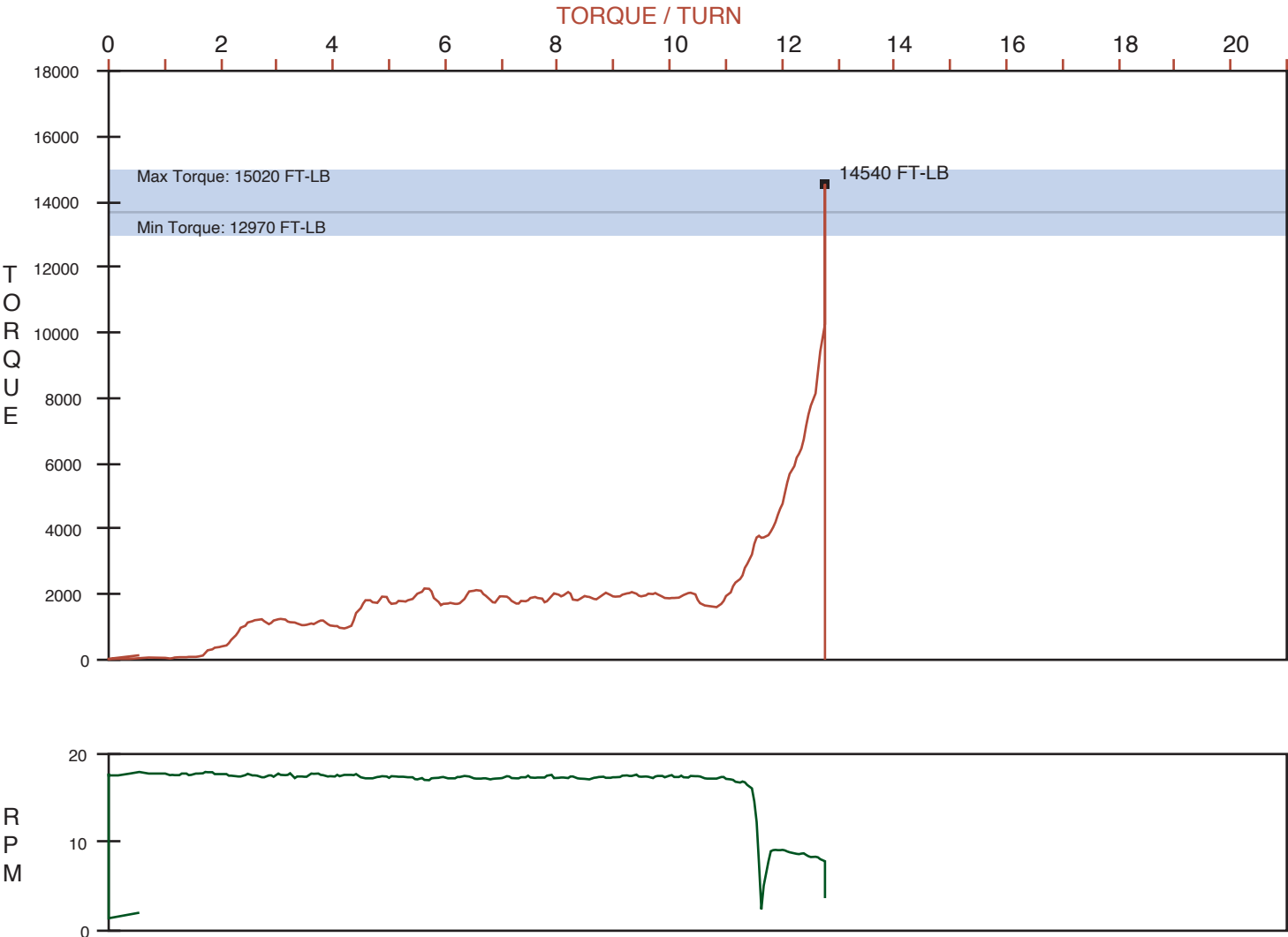
Joint #: 7

Count #: 7

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:15:49 AM	Heat/Lot#:	
Pipe Length:	37.664 ft		
Cumulative Length:	302.565 ft		
Cumulative Weight:	6958.995 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14540 FT-LB
Final Turns:	12.75
Max RPM:	18
Delta Torque:	3870 FT-LB
Delta Turns:	0.037

Notes: joint 8

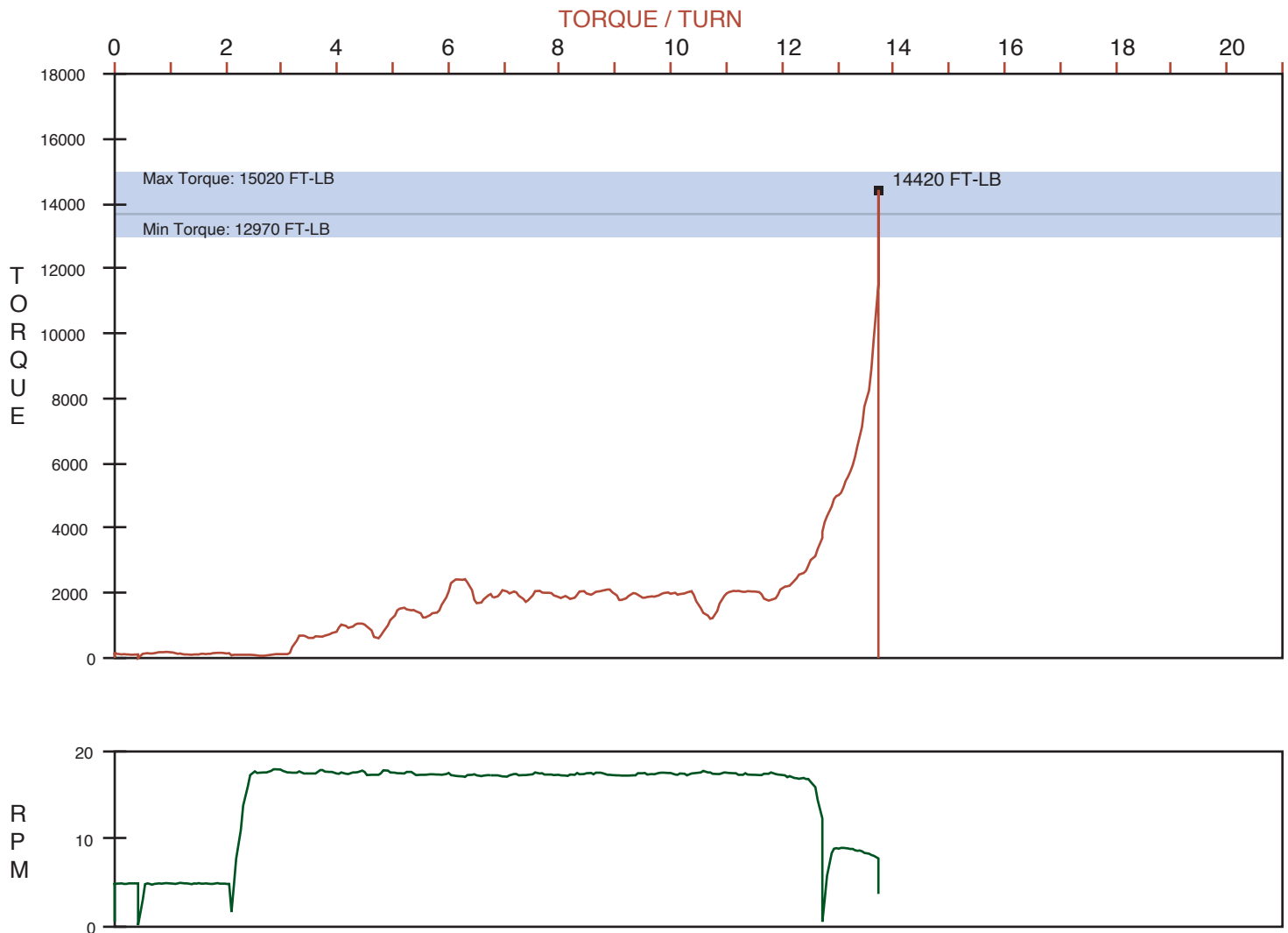


**Joint #: 8****Count #: 8**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:24:25 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	340.393 ft		
Cumulative Weight:	7829.039 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14420 FT-LB
Final Turns:	13.721
Max RPM:	17.970
Delta Torque:	2120 FT-LB
Delta Turns:	0.026

Notes: joint 9



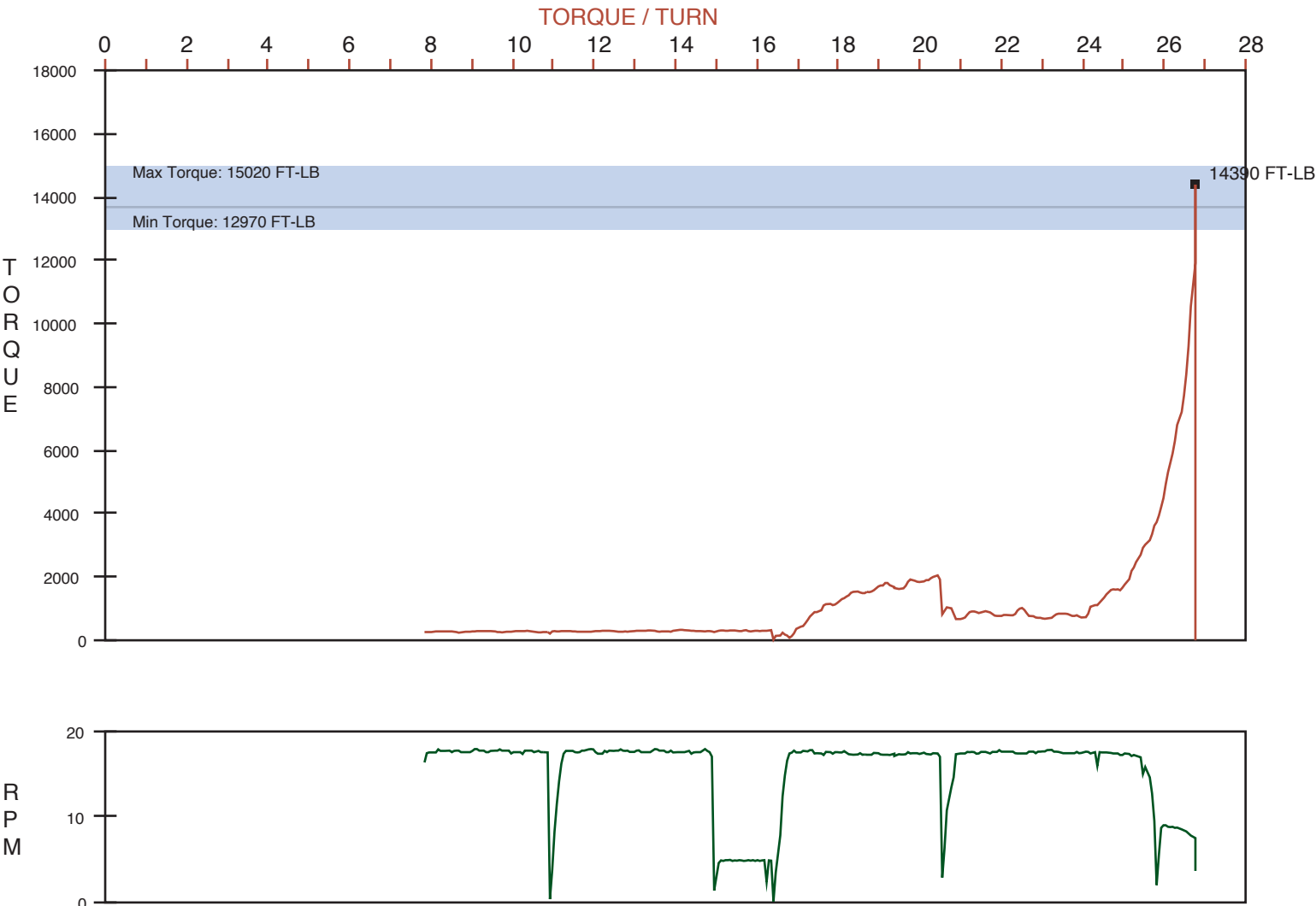
Joint #: 9

Count #: 9

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:35:46 AM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	378.237 ft		
Cumulative Weight:	8699.451 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14390 FT-LB
Final Turns:	26.747
Max RPM:	19.200
Delta Torque:	3840 FT-LB
Delta Turns:	0.122

Notes: joint 10



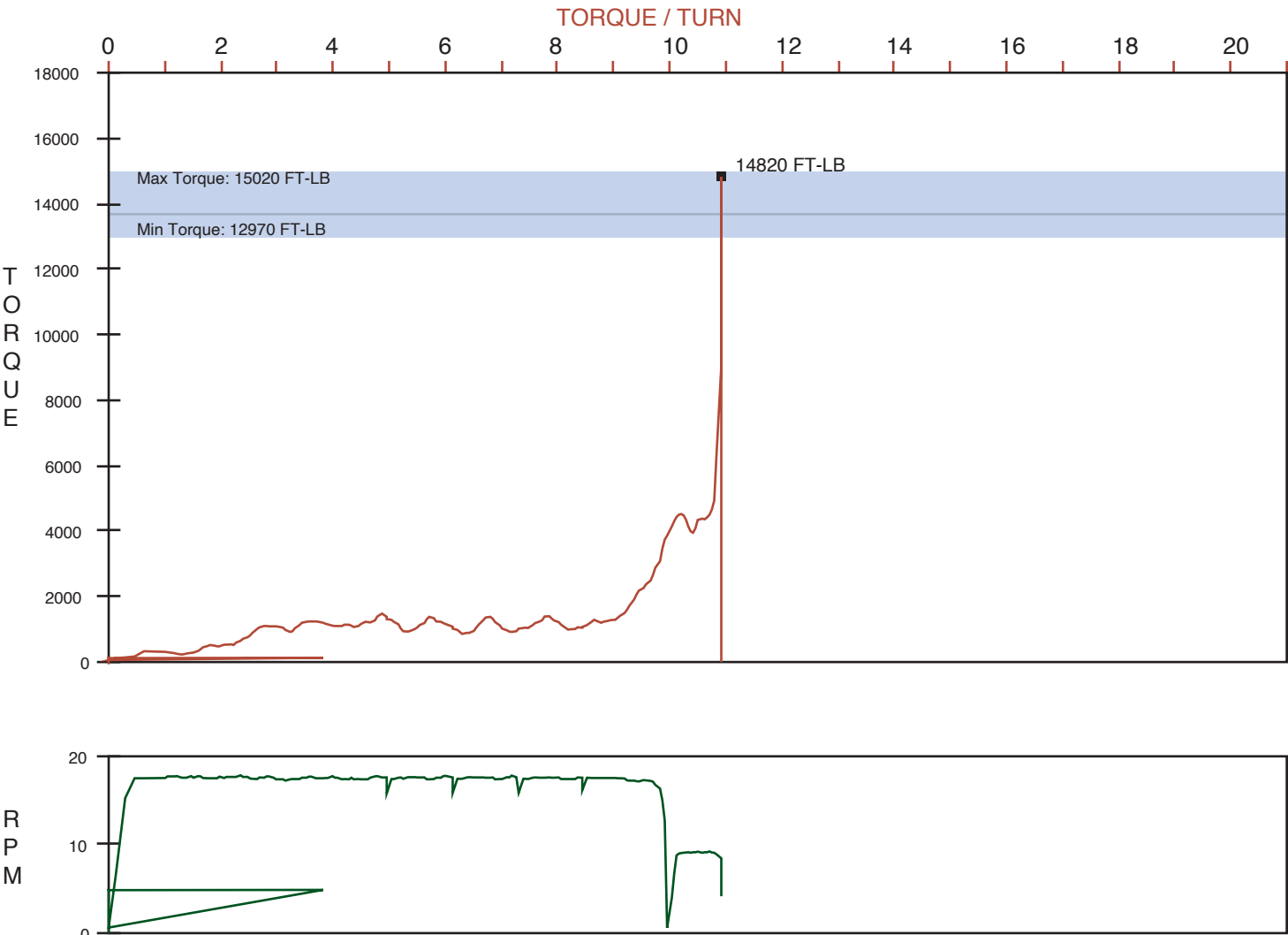
Joint #: 10

Count #: 10

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:51:45 AM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	416.081 ft		
Cumulative Weight:	9569.863 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14820 FT-LB
Final Turns:	10.902
Max RPM:	24.75
Delta Torque:	4110 FT-LB
Delta Turns:	0.019

Notes: joint 11

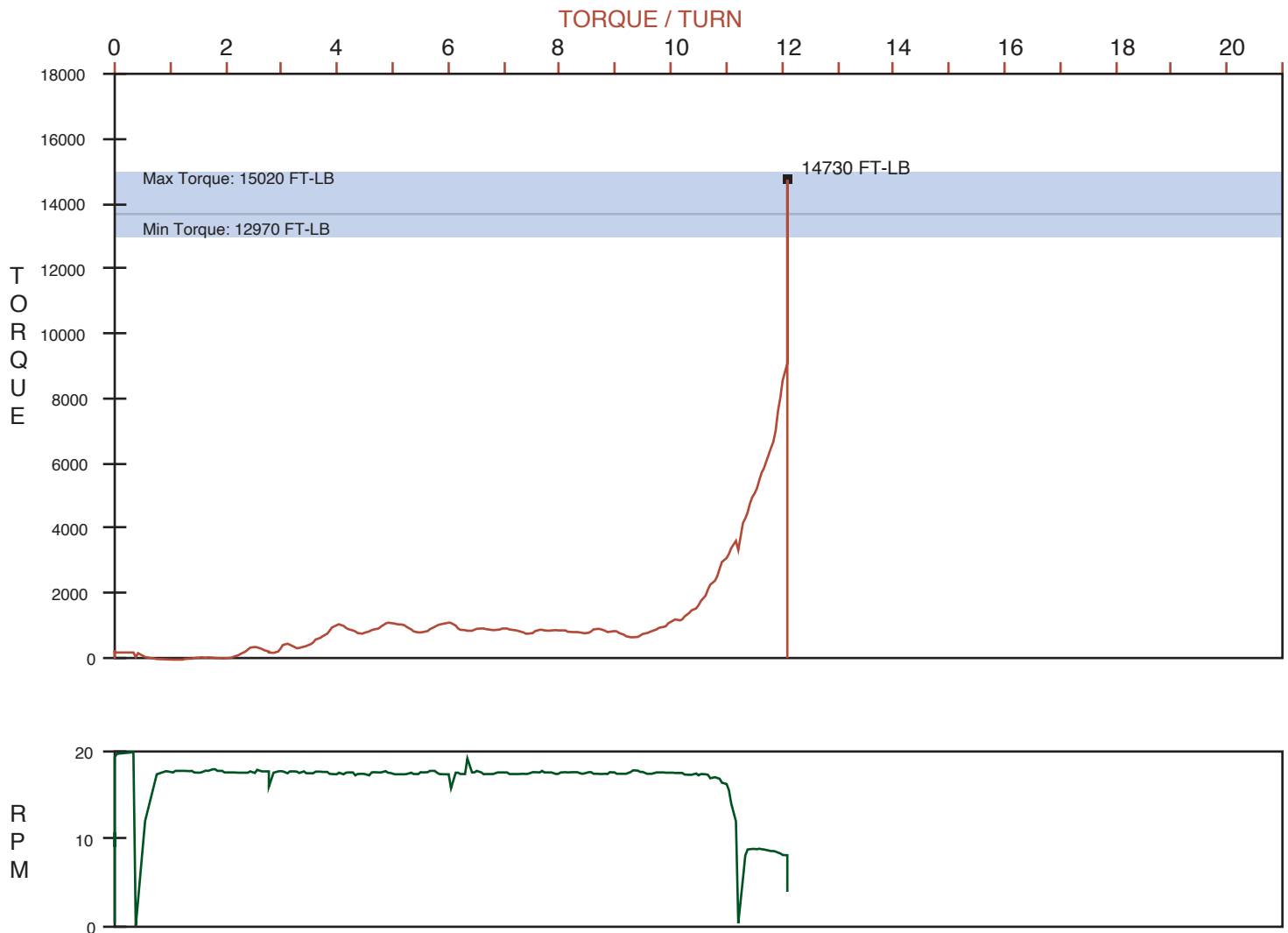


**Joint #: 11****Count #: 11**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 12:00:07 PM	Heat/Lot#:	
Pipe Length:	37.484 ft		
Cumulative Length:	453.565 ft		
Cumulative Weight:	10431.995 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14730 FT-LB
Final Turns:	12.096
Max RPM:	19.920
Delta Torque:	2750 FT-LB
Delta Turns:	0.006

Notes: joint 12



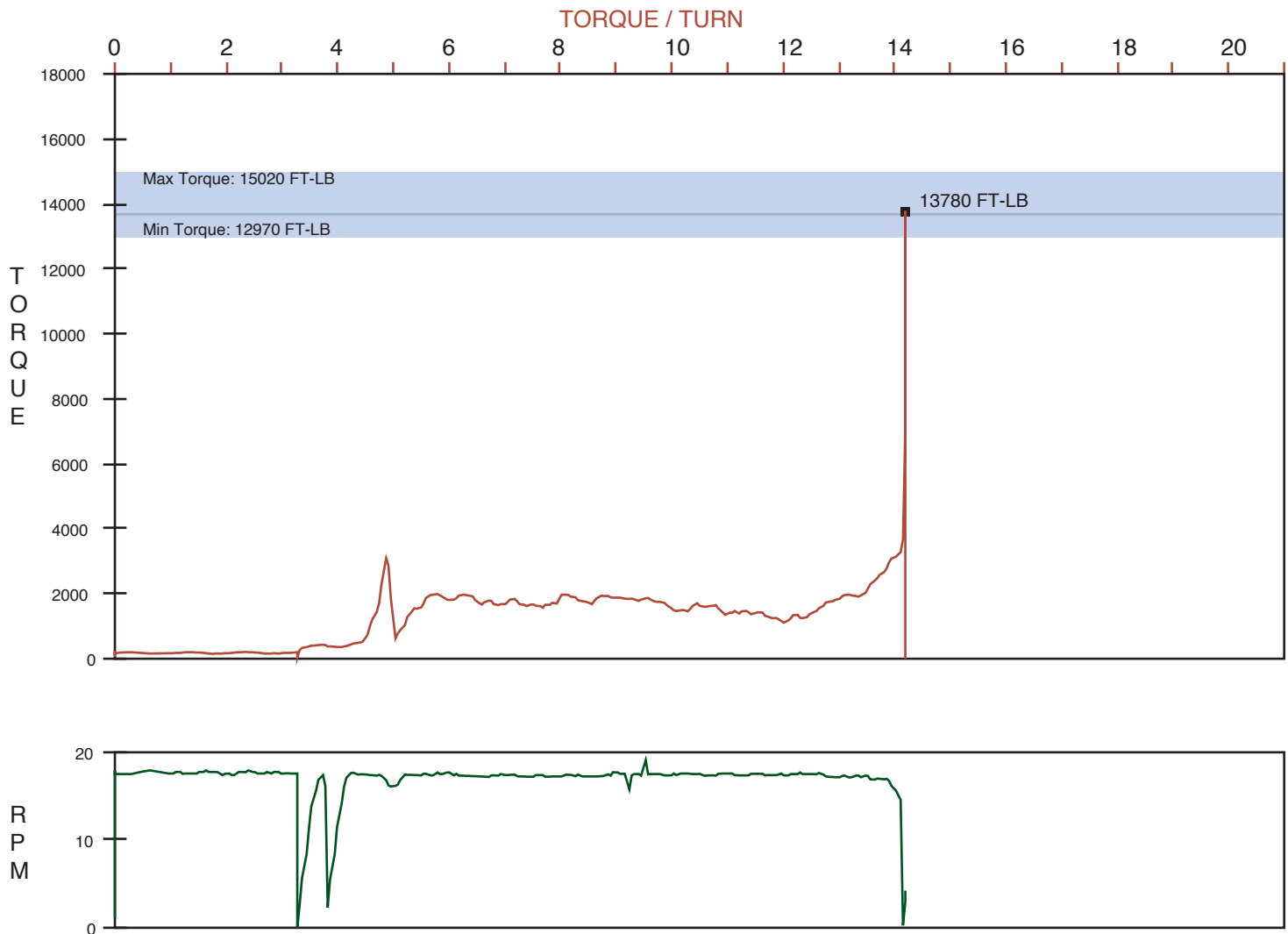


**Joint #: 12****Count #: 12**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 2:01:24 PM**

Heat/Lot#:

Pipe Length: **37.861 ft**Cumulative Length: **491.426 ft**Cumulative Weight: **11302.798 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13780 FT-LB**Final Turns: **14.194**Max RPM: **19.110**Delta Torque: **7770 FT-LB**Delta Turns: **0.058**Notes: **joint 13**

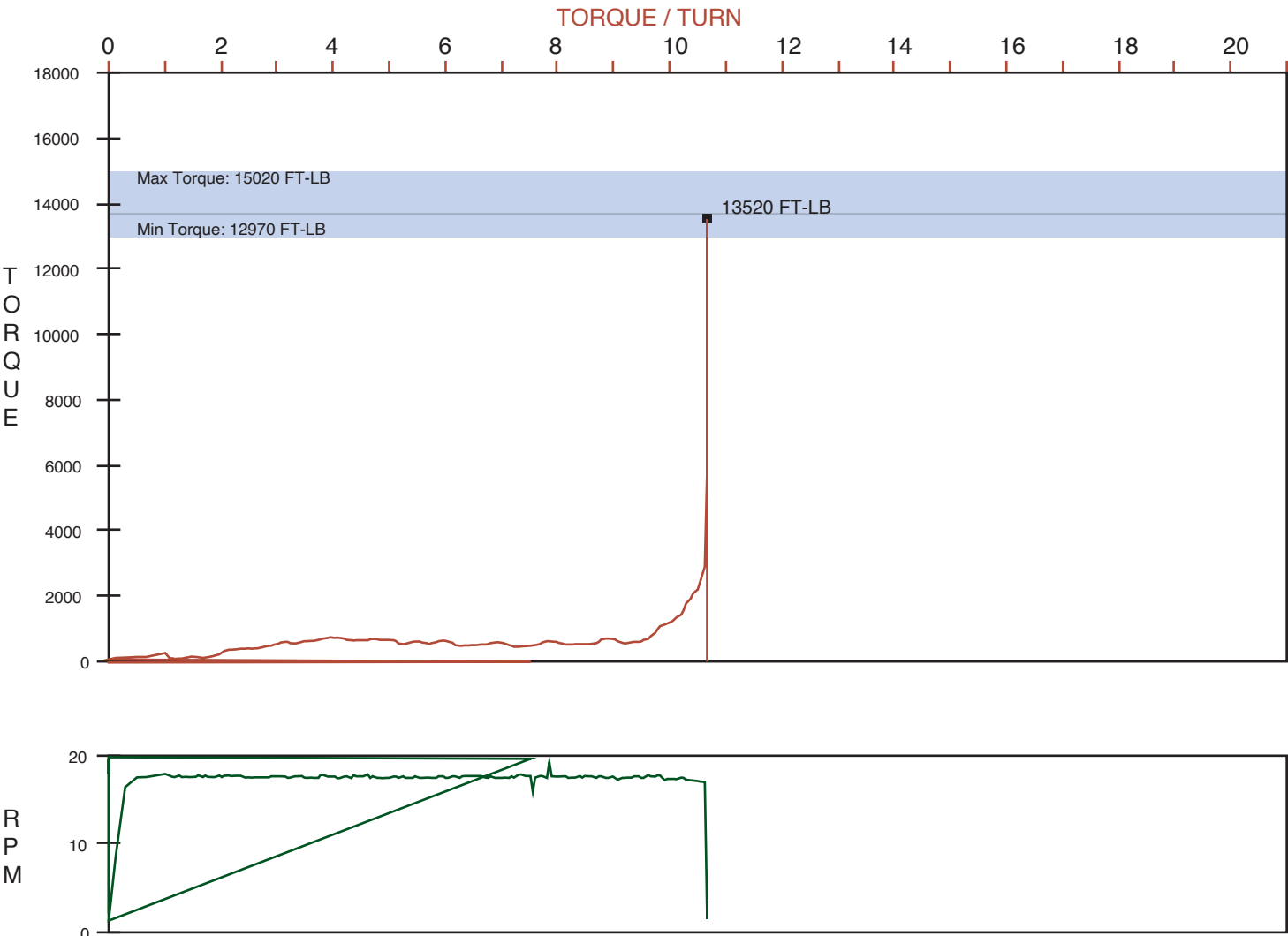
Joint #: 13

Count #: 13

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 2:10:33 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	529.287 ft		
Cumulative Weight:	12173.601 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13520 FT-LB
Final Turns:	10.678
Max RPM:	21.540
Delta Torque:	6450 FT-LB
Delta Turns:	0.030

Notes: joint 14

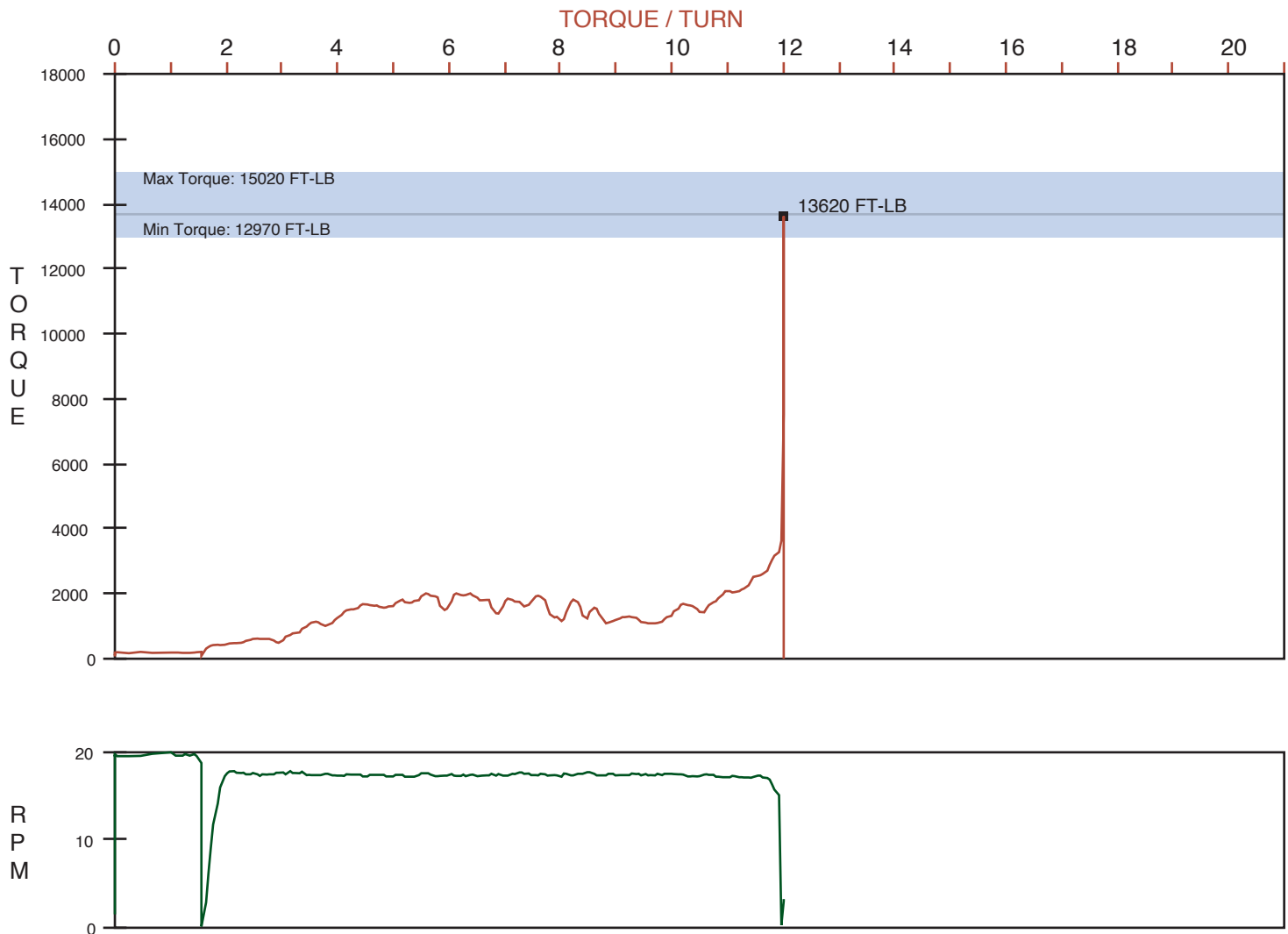


**Joint #: 14****Count #: 14**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 2:20:29 PM	Heat/Lot#:	
Pipe Length:	35.958 ft		
Cumulative Length:	565.245 ft		
Cumulative Weight:	13000.635 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	13620 FT-LB
Final Turns:	12.026
Max RPM:	20.010
Delta Torque:	7670 FT-LB
Delta Turns:	0.054

Notes: joint 15

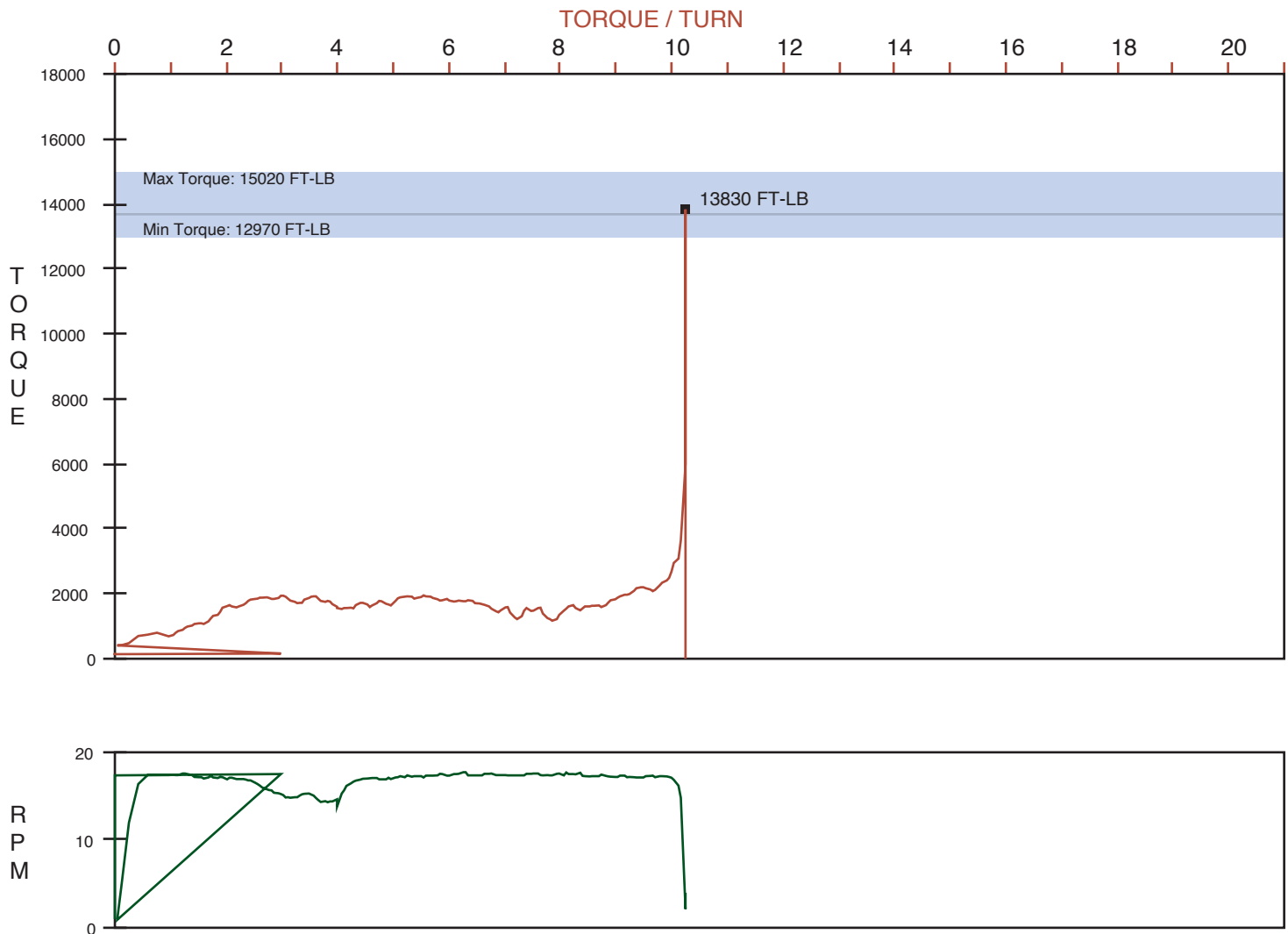


**Joint #: 15****Count #: 15**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 2:28:45 PM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	603.122 ft		
Cumulative Weight:	13871.806 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	13830 FT-LB
Final Turns:	10.238
Max RPM:	18.180
Delta Torque:	6630 FT-LB
Delta Turns:	0.042

Notes: joint 16



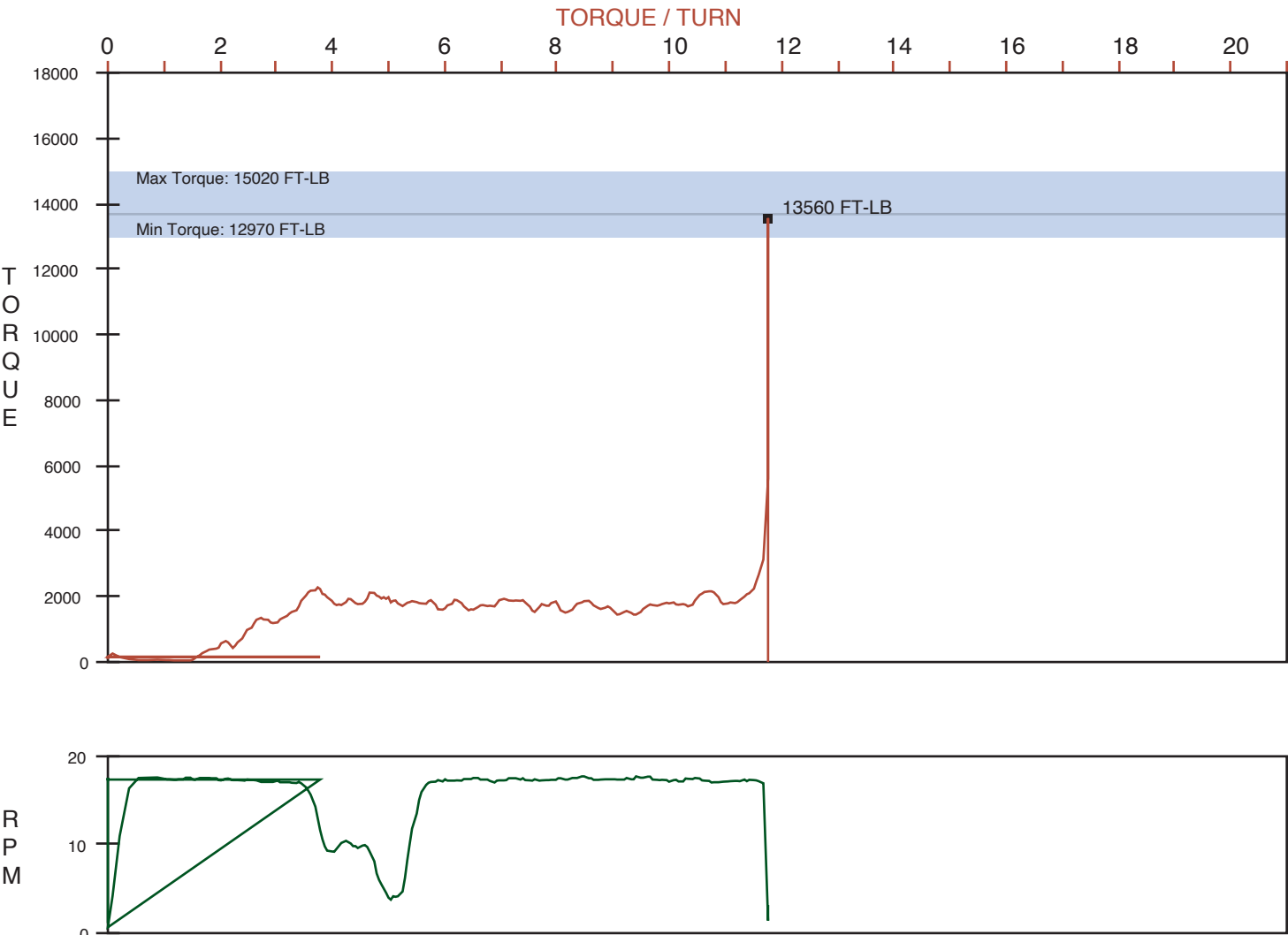
Joint #: 16

Count #: 16

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 2:35:29 PM	Heat/Lot#:	
Pipe Length:	37.874 ft		
Cumulative Length:	640.996 ft		
Cumulative Weight:	14742.908 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13560 FT-LB
Final Turns:	11.740
Max RPM:	19.140
Delta Torque:	6800 FT-LB
Delta Turns:	0.042

Notes: joint 17



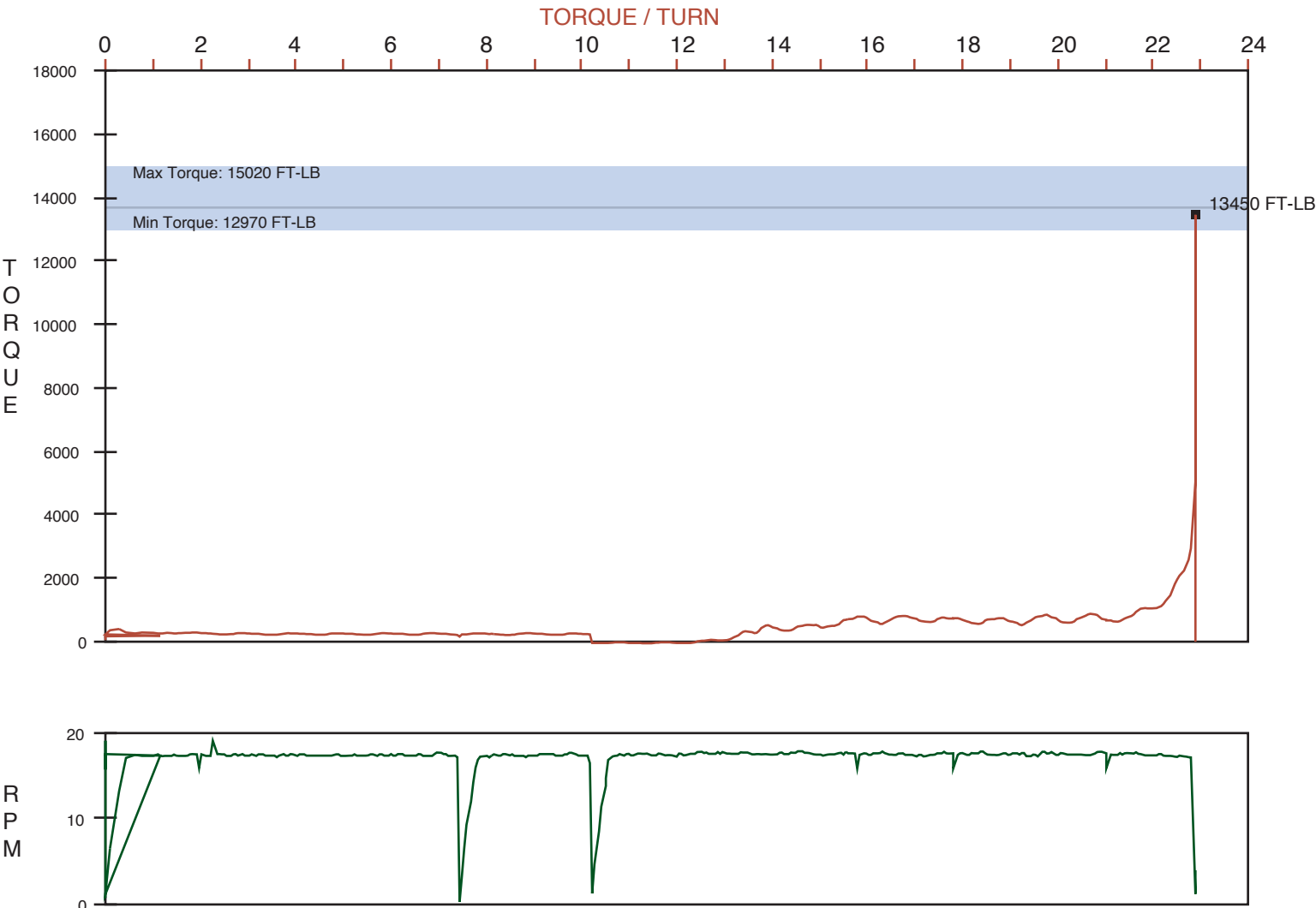
Joint #: 17

Count #: 17

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 2:42:06 PM	Heat/Lot#:	
Pipe Length:	37.851 ft		
Cumulative Length:	678.847 ft		
Cumulative Weight:	15613.481 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13450 FT-LB
Final Turns:	22.886
Max RPM:	19.410
Delta Torque:	1920 FT-LB
Delta Turns:	0

Notes: joint 18

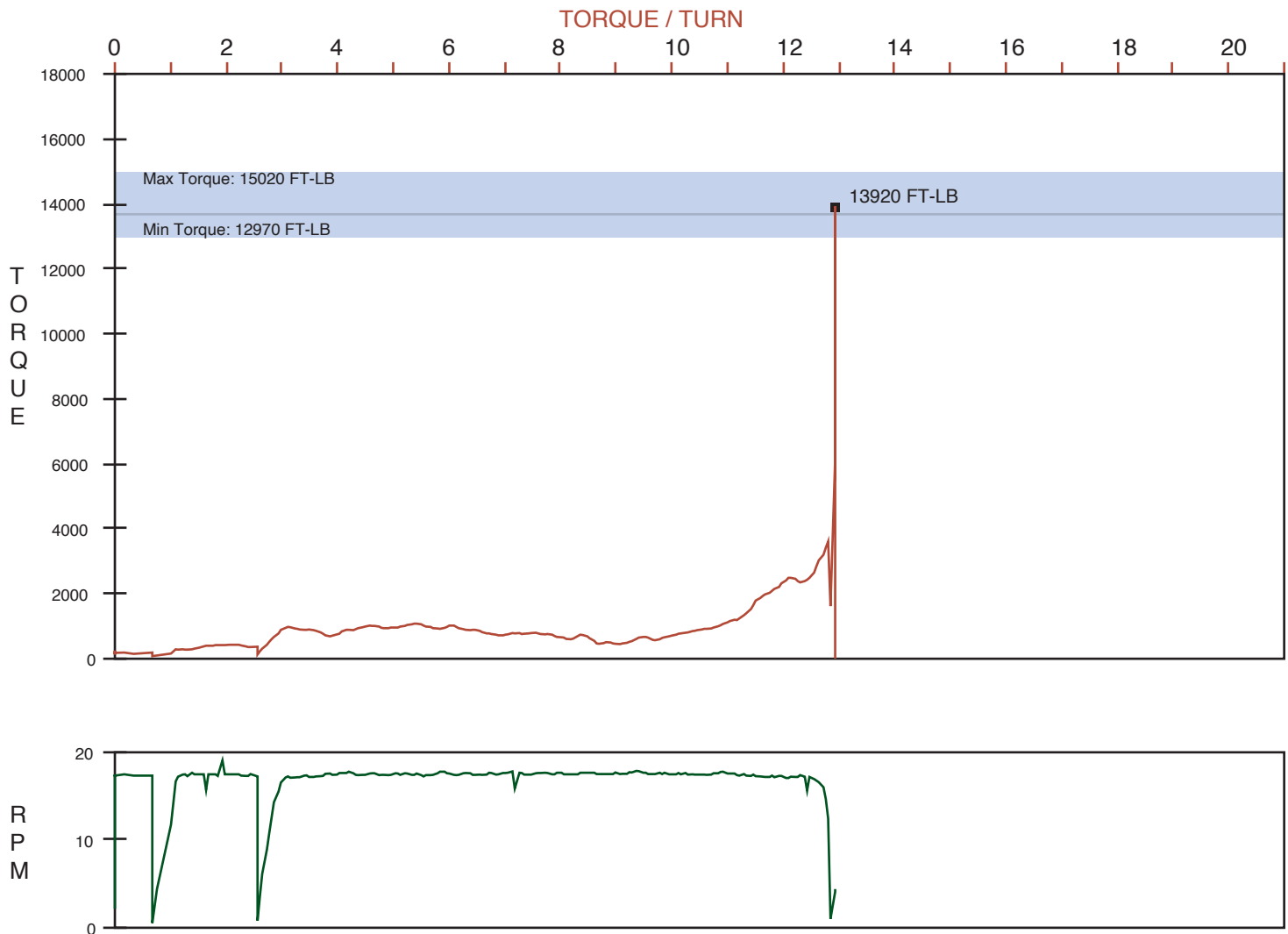


**Joint #: 18****Count #: 18**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 2:47:40 PM**

Heat/Lot#:

Pipe Length: **37.894 ft**Cumulative Length: **716.741 ft**Cumulative Weight: **16485.043 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13920 FT-LB**Final Turns: **12.922**Max RPM: **19.230**Delta Torque: **0 FT-LB**Delta Turns: **0**Notes: **joint 19**

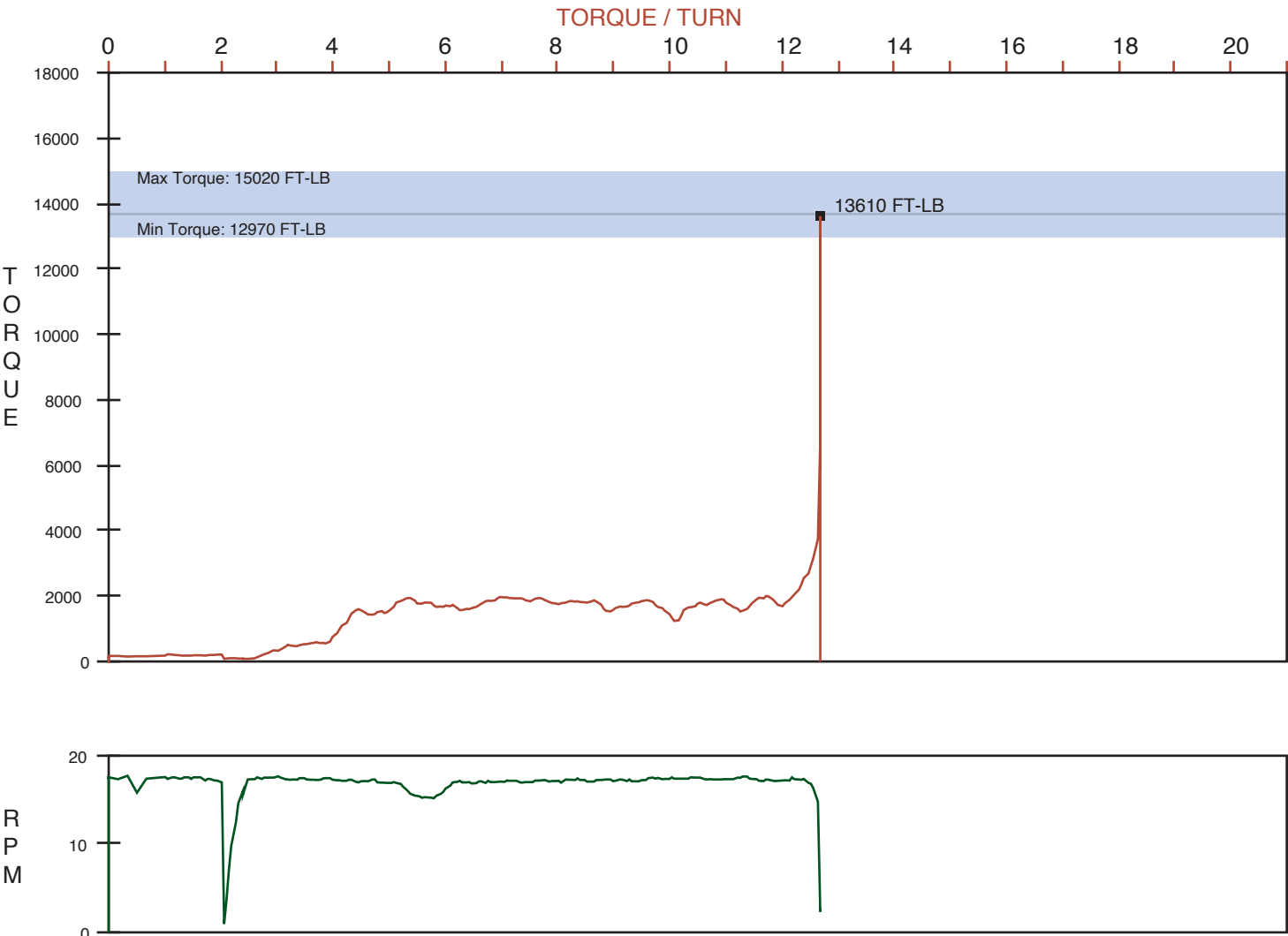
Joint #: 19

Count #: 19

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 2:52:45 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	754.602 ft		
Cumulative Weight:	17355.846 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13610 FT-LB
Final Turns:	12.687
Max RPM:	19.290
Delta Torque:	2070 FT-LB
Delta Turns:	0

Notes: joint 20





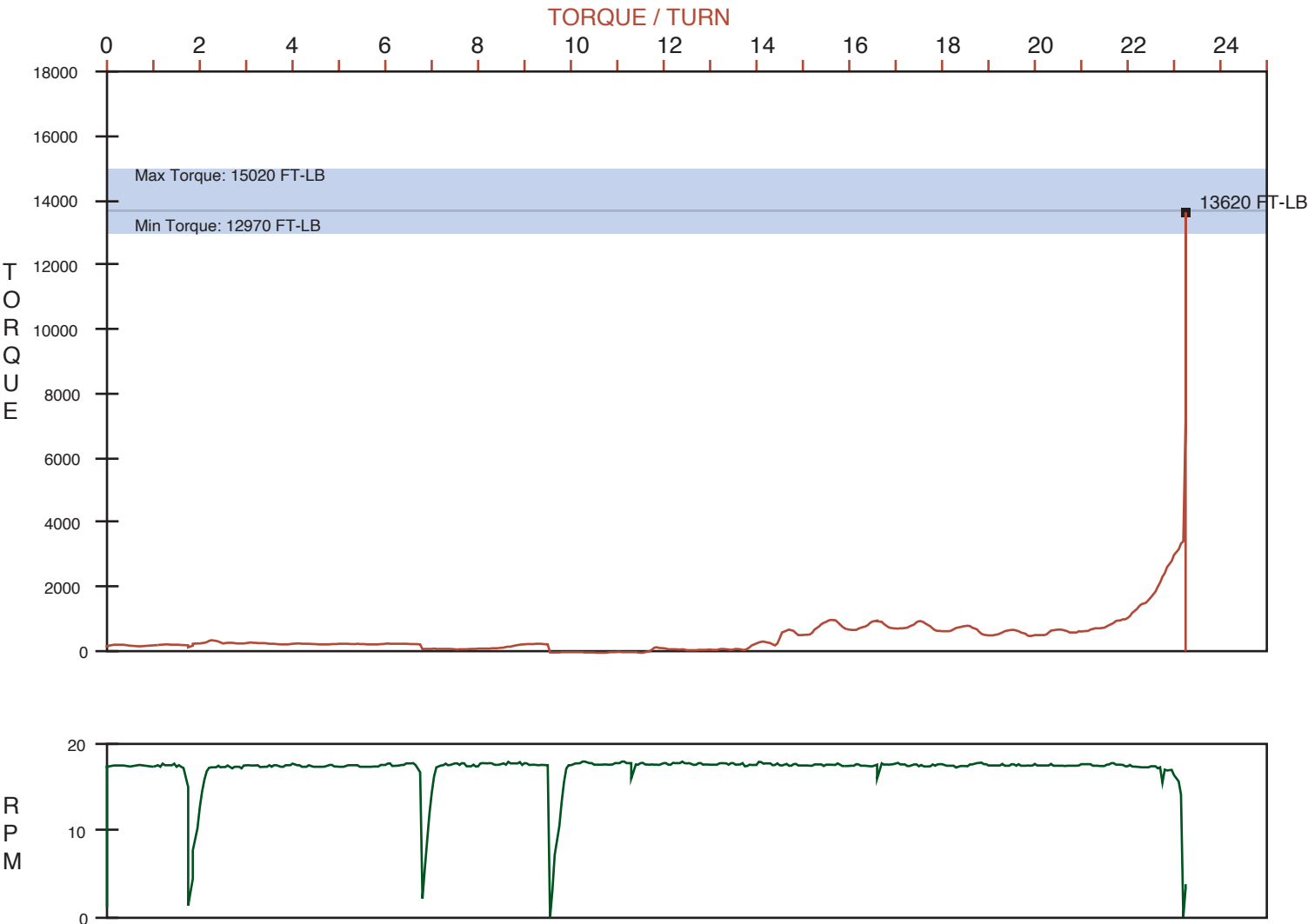
Joint #: 20

Count #: 20

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 2:58:08 PM	Heat/Lot#:	
Pipe Length:	37.238 ft		
Cumulative Length:	791.840 ft		
Cumulative Weight:	18212.320 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13620 FT-LB
Final Turns:	23.268
Max RPM:	19.230
Delta Torque:	3420 FT-LB
Delta Turns:	0.016

Notes: joint 21



**Joint #: 21****Count #: 21**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 3:03:30 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	829.701 ft		
Cumulative Weight:	19083.123 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14250 FT-LB

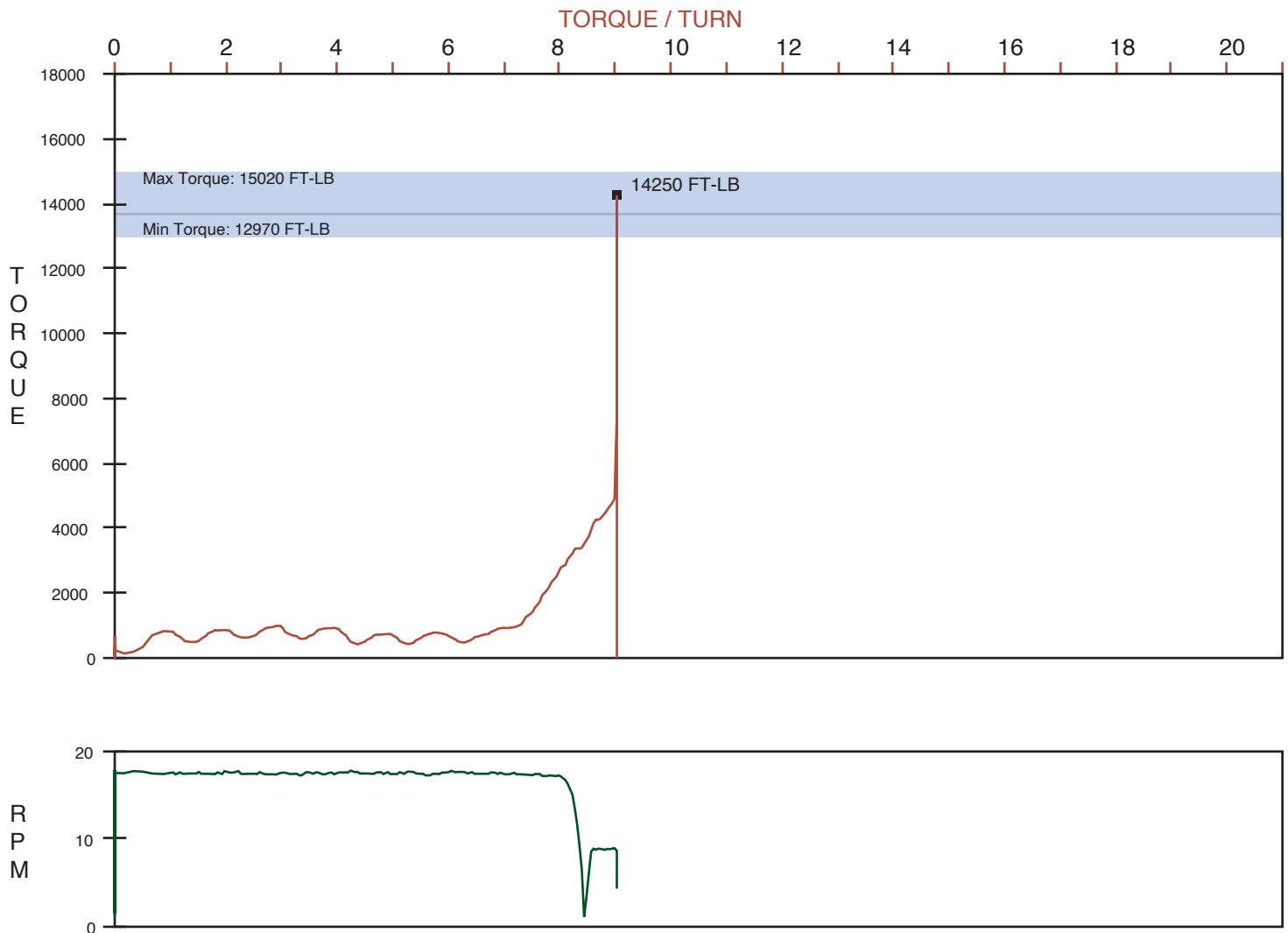
Final Turns: 9.050

Max RPM: 19.290

Delta Torque: 4660 FT-LB

Delta Turns: 0.022

Notes: joint 22



**Joint #: 22****Count #: 22**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 3:08:48 PM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	867.529 ft		
Cumulative Weight:	19953.167 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14250 FT-LB

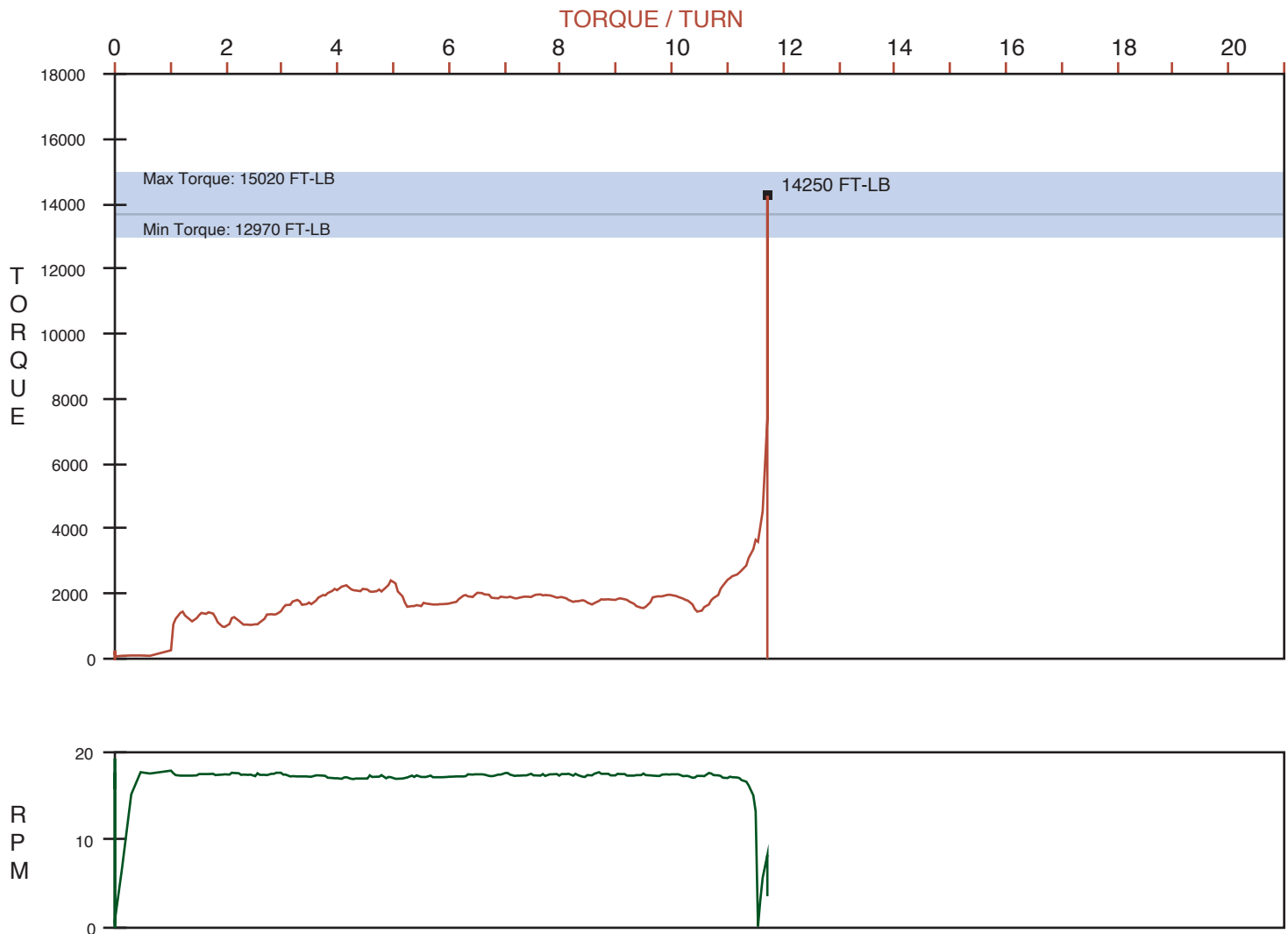
Final Turns: 11.712

Max RPM: 19.290

Delta Torque: 4720 FT-LB

Delta Turns: 0.022

Notes: joint 23



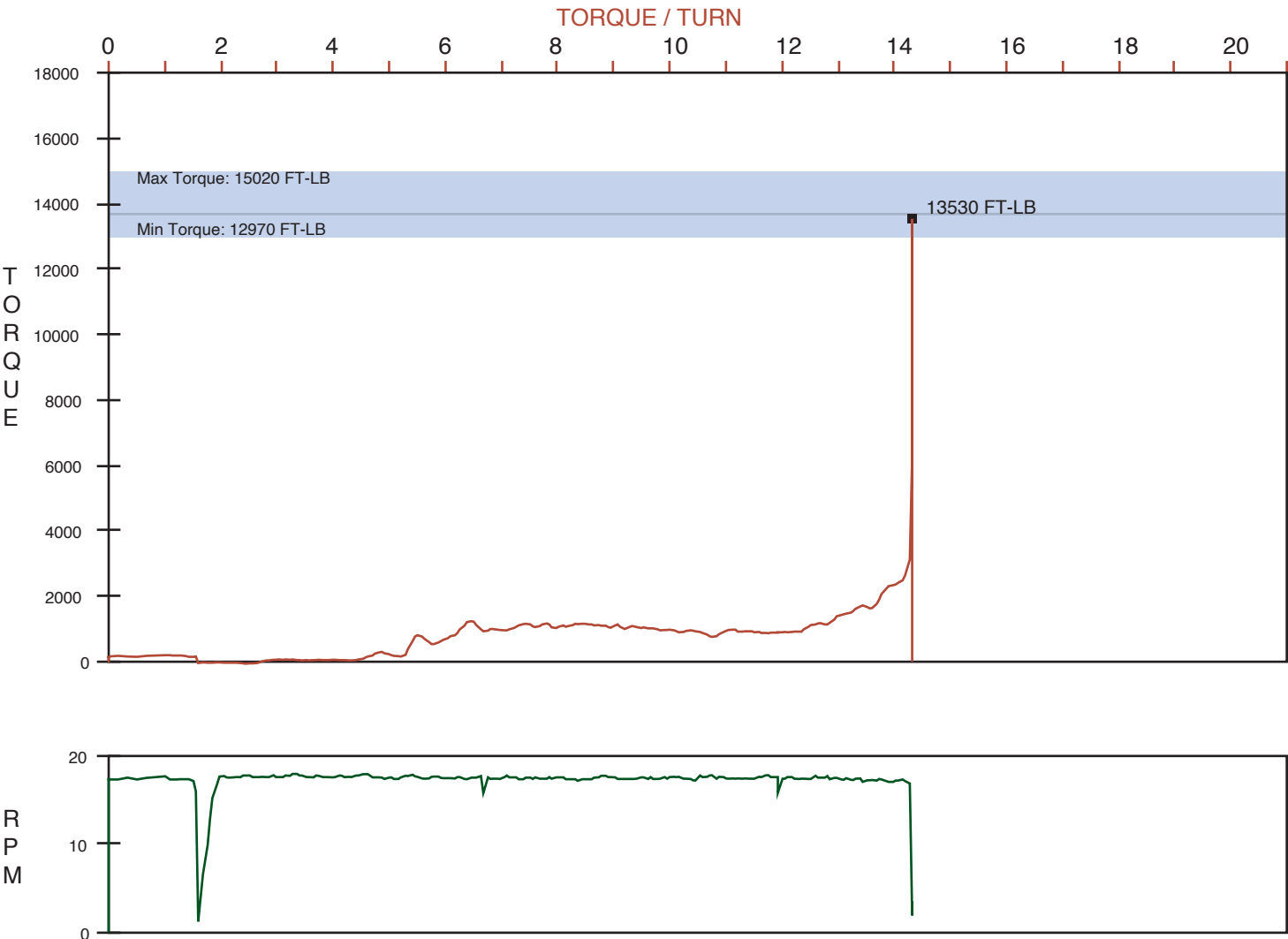
Joint #: 23

Count #: 23

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 3:13:49 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	905.390 ft		
Cumulative Weight:	20823.970 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13530 FT-LB
Final Turns:	14.324
Max RPM:	19.200
Delta Torque:	10180 FT-LB
Delta Turns:	0.08

Notes: joint 24

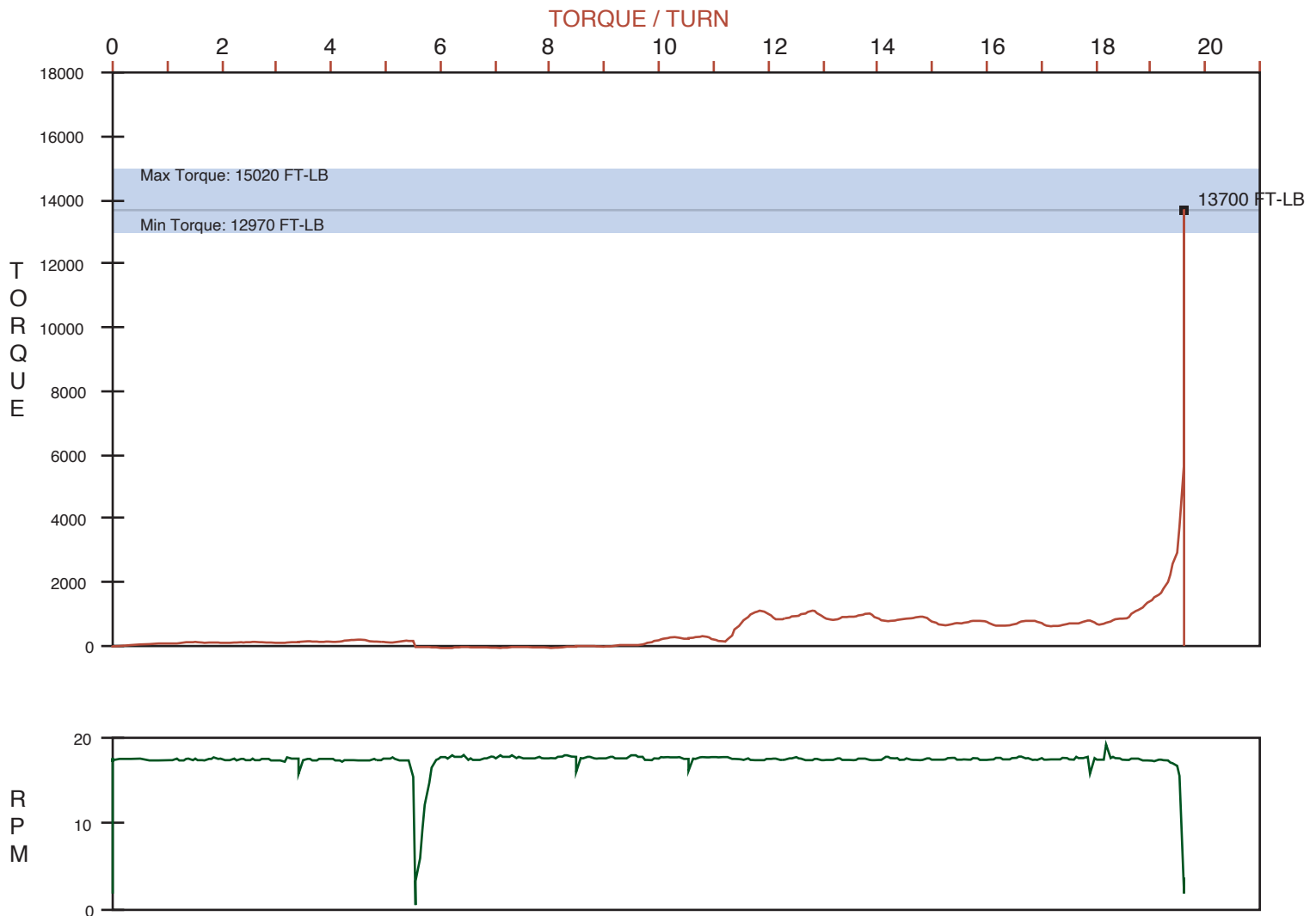


**Joint #: 24****Count #: 24**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 3:19:03 PM**

Heat/Lot#:

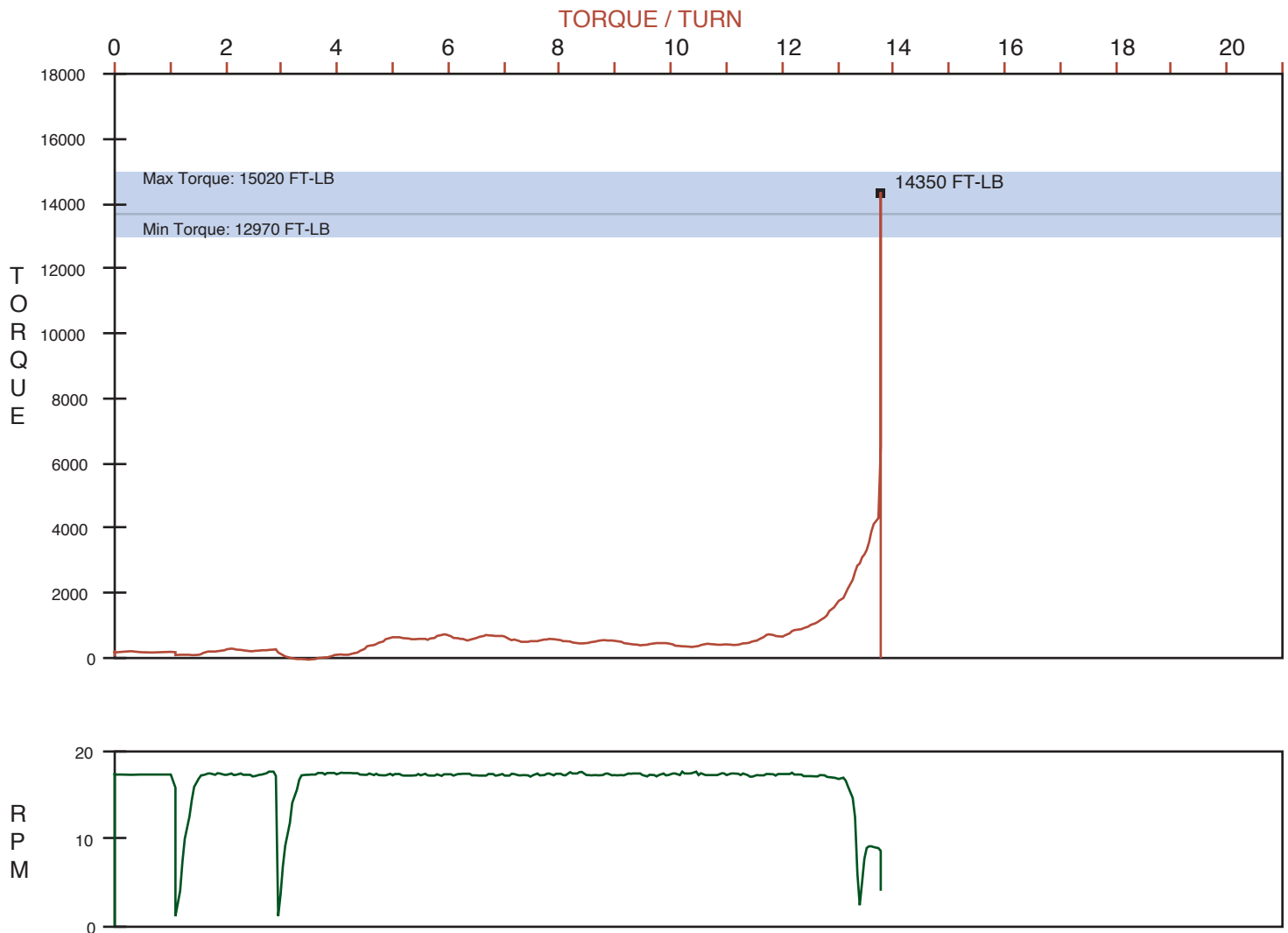
Pipe Length: **36.365 ft**Cumulative Length: **941.755 ft**Cumulative Weight: **21660.365 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13700 FT-LB**Final Turns: **19.601**Max RPM: **19.320**Delta Torque: **10380 FT-LB**Delta Turns: **0.082**Notes: **joint 25**

**Joint #: 25****Count #: 25**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 3:23:37 PM**

Heat/Lot#:

Pipe Length: **36.703 ft**Cumulative Length: **978.458 ft**Cumulative Weight: **22504.534 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14350 FT-LB**Final Turns: **13.792**Max RPM: **17.730**Delta Torque: **6840 FT-LB**Delta Turns: **0.043**Notes: **joint 26**

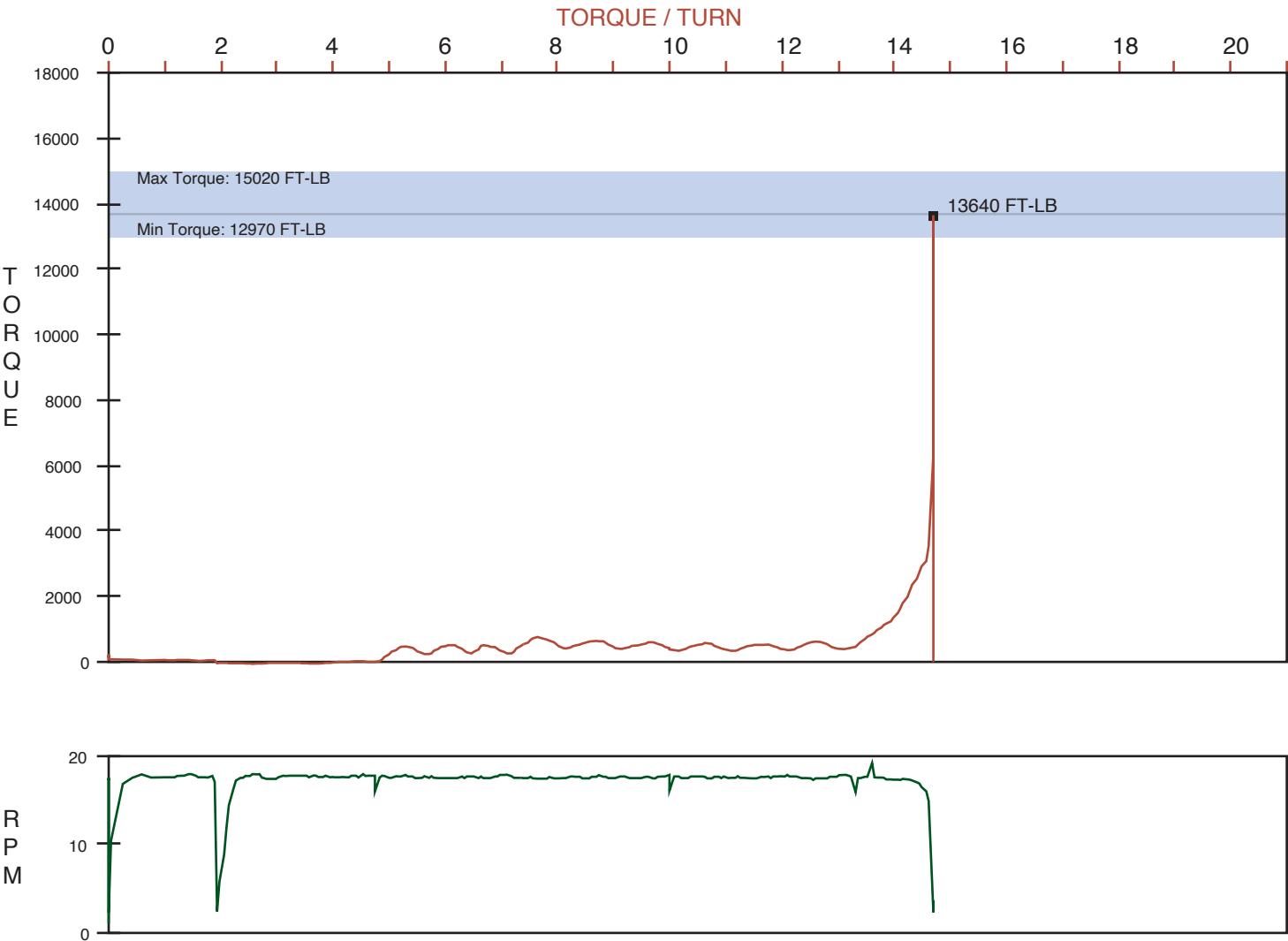
Joint #: 26

Count #: 26

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 3:28:58 PM	Heat/Lot#:	
Pipe Length:	37.818 ft		
Cumulative Length:	1016.276 ft		
Cumulative Weight:	23374.348 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13640 FT-LB
Final Turns:	14.695
Max RPM:	19.320
Delta Torque:	6040 FT-LB
Delta Turns:	0.038

Notes: joint 27

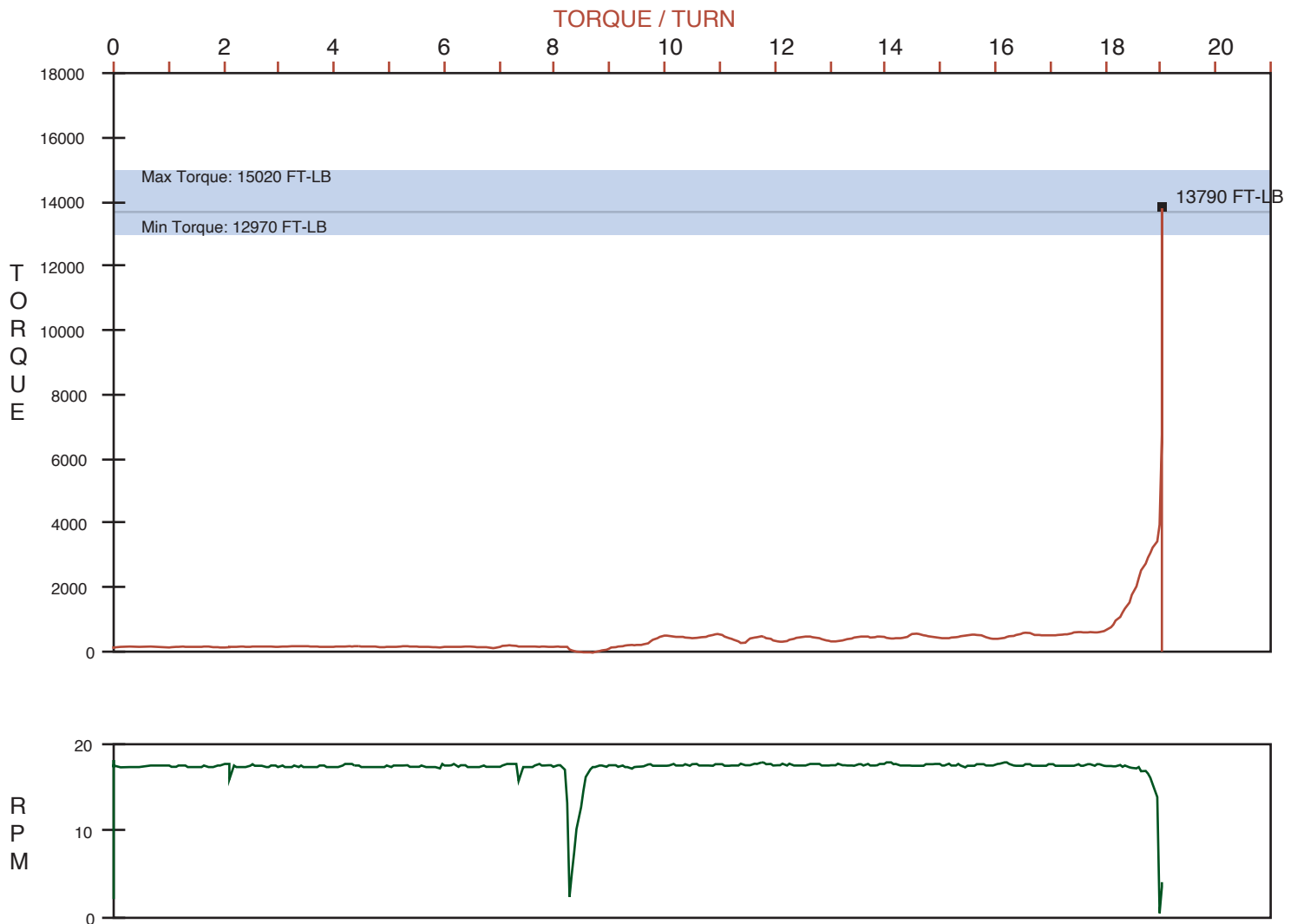


**Joint #: 27****Count #: 27**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 3:33:37 PM**

Heat/Lot#:

Pipe Length: **37.858 ft**Cumulative Length: **1054.134 ft**Cumulative Weight: **24245.082 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13790 FT-LB**Final Turns: **19.040**Max RPM: **19.320**Delta Torque: **8540 FT-LB**Delta Turns: **0.055**Notes: **joint 28**



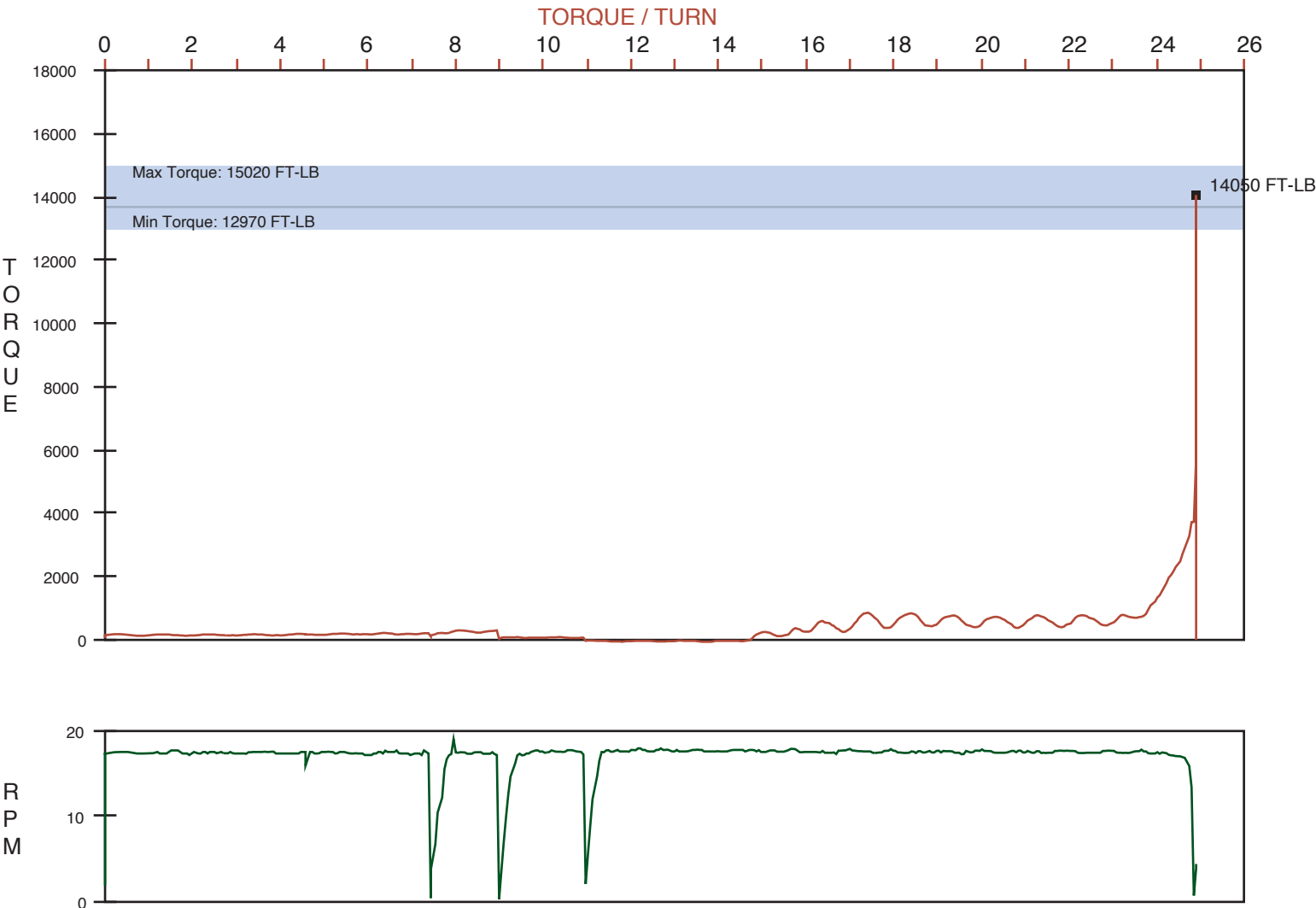
Joint #: 28

Count #: 28

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 3:39:36 PM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	1091.992 ft		
Cumulative Weight:	25115.816 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14050 FT-LB
Final Turns:	24.914
Max RPM:	19.140
Delta Torque:	5140 FT-LB
Delta Turns:	0.024

Notes: joint 29

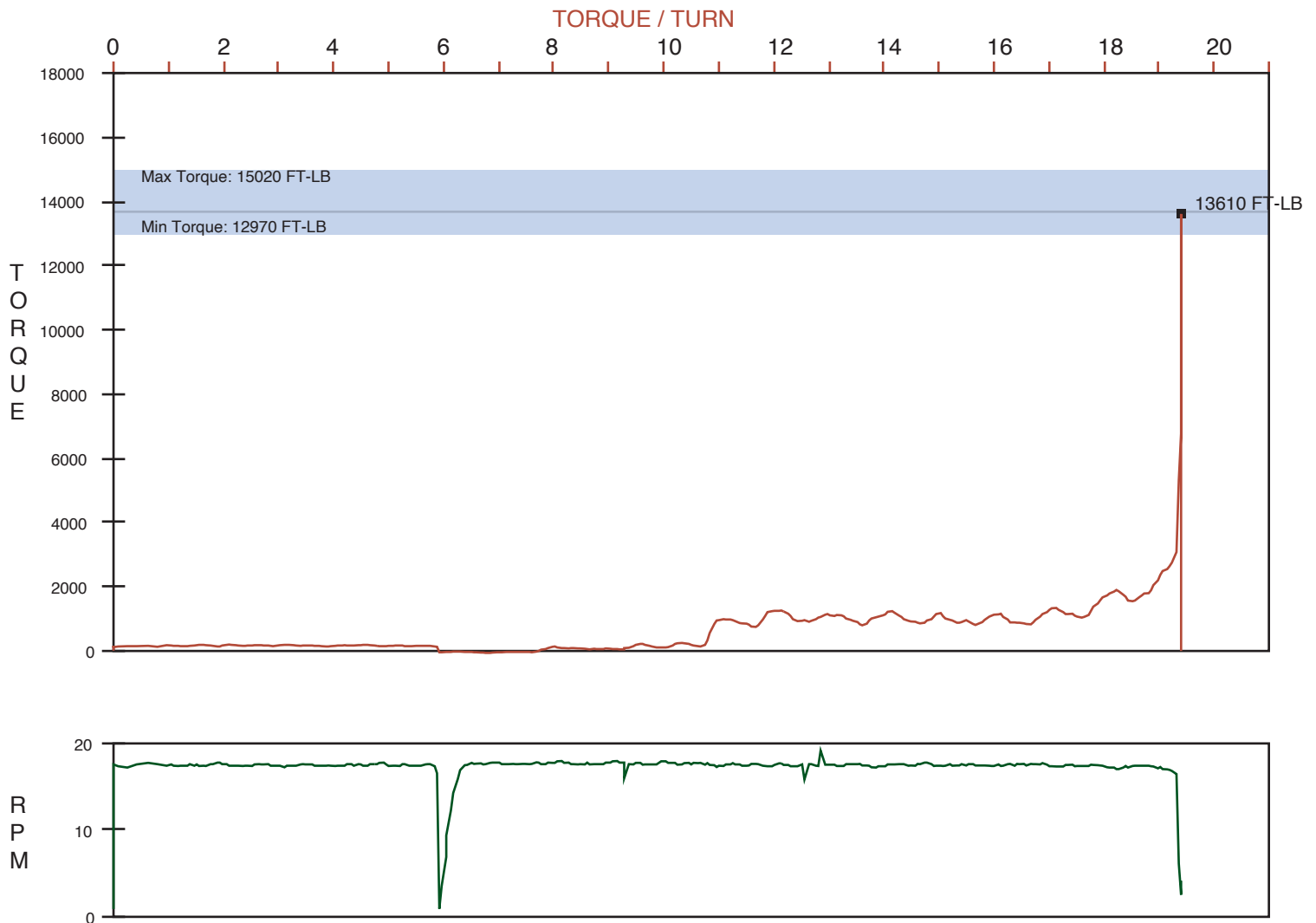


**Joint #: 29****Count #: 29**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 3:45:07 PM**

Heat/Lot#:

Pipe Length: **37.844 ft**Cumulative Length: **1129.836 ft**Cumulative Weight: **25986.228 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13610 FT-LB**Final Turns: **19.420**Max RPM: **19.170**Delta Torque: **4660 FT-LB**Delta Turns: **0.020**Notes: **joint 30**

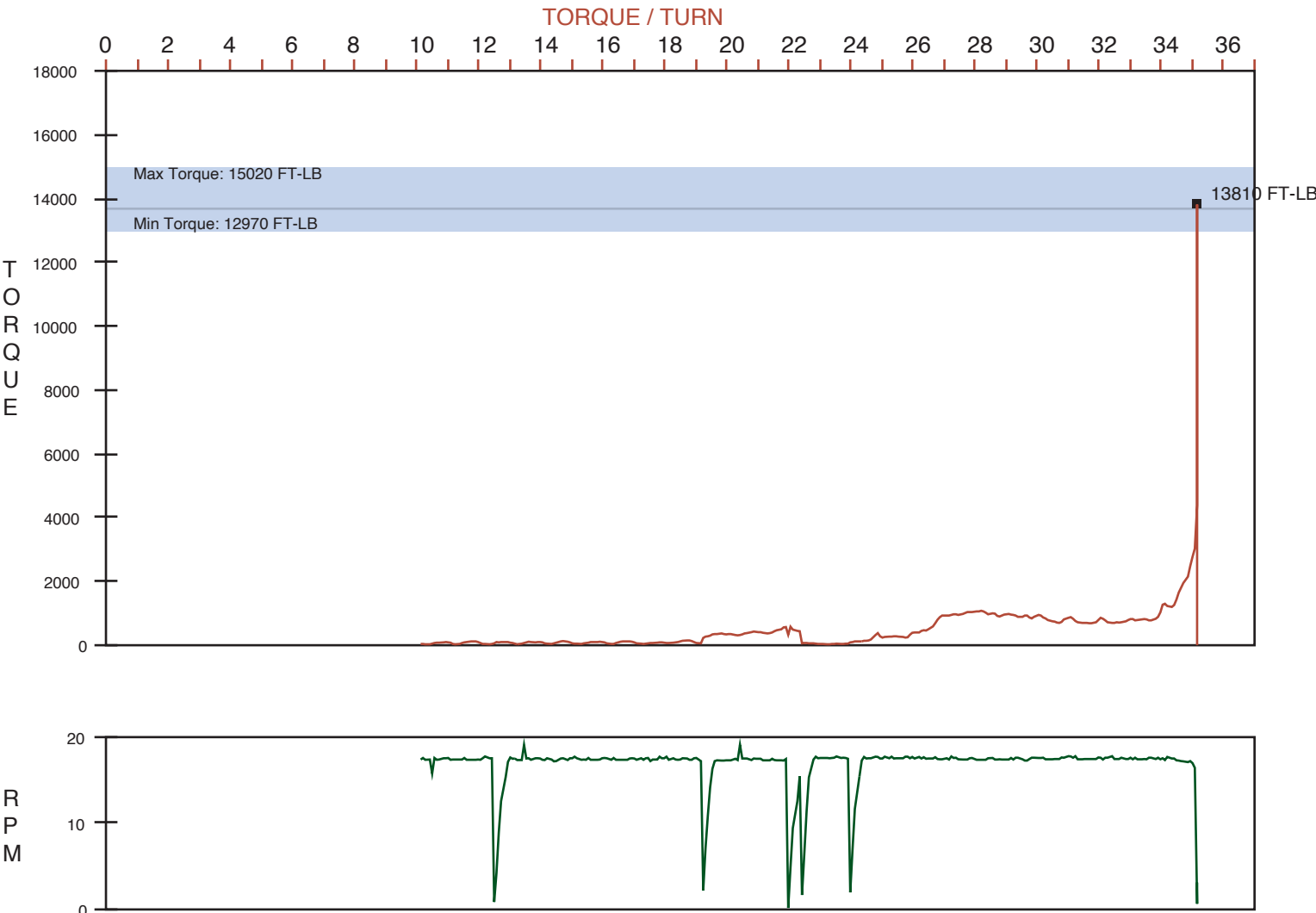
Joint #: 30

Count #: 30

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 4:14:17 PM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	1167.680 ft		
Cumulative Weight:	26856.640 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13810 FT-LB
Final Turns:	35.167
Max RPM:	19.140
Delta Torque:	2670 FT-LB
Delta Turns:	0.002

Notes: joint 31



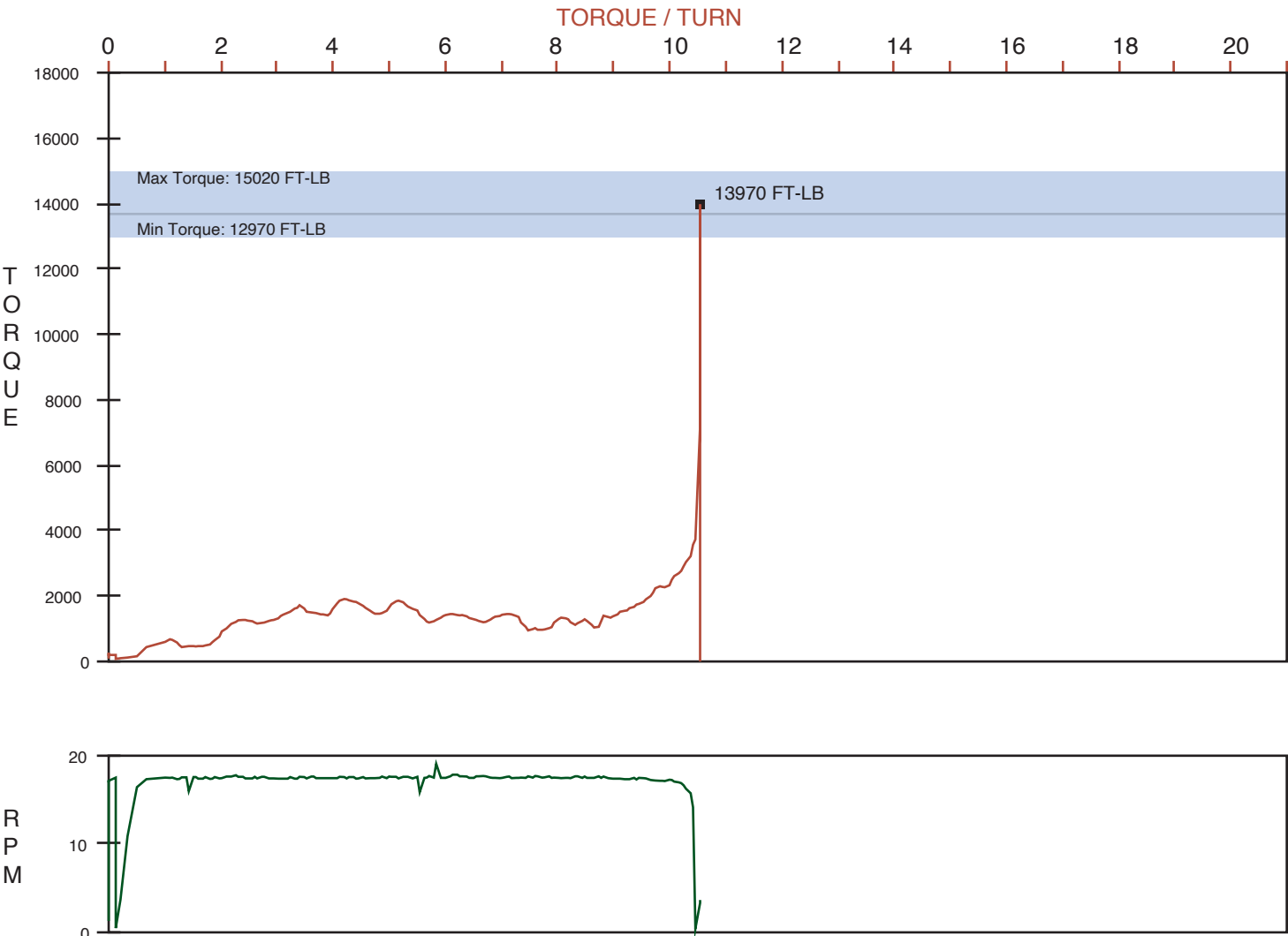
Joint #: 31

Count #: 31

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 4:18:30 PM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	1205.524 ft		
Cumulative Weight:	27727.052 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13970 FT-LB
Final Turns:	10.532
Max RPM:	19.080
Delta Torque:	9030 FT-LB
Delta Turns:	0.074

Notes: joint 32



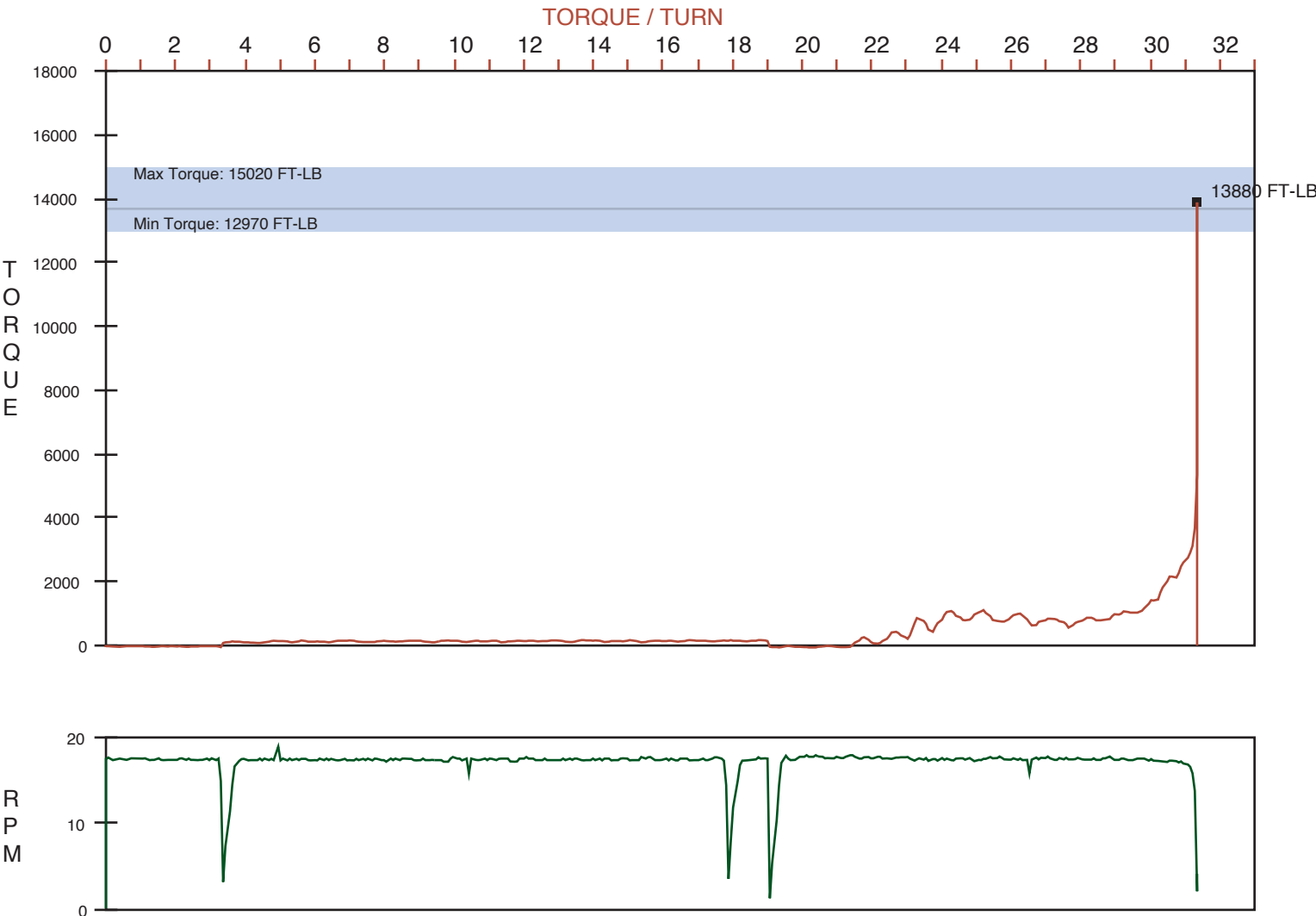
Joint #: 32

Count #: 32

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 4:24:42 PM	Heat/Lot#:	
Pipe Length:	33.579 ft		
Cumulative Length:	1239.103 ft		
Cumulative Weight:	28499.369 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13880 FT-LB
Final Turns:	31.374
Max RPM:	19.260
Delta Torque:	4910 FT-LB
Delta Turns:	0.020

Notes: joint 33



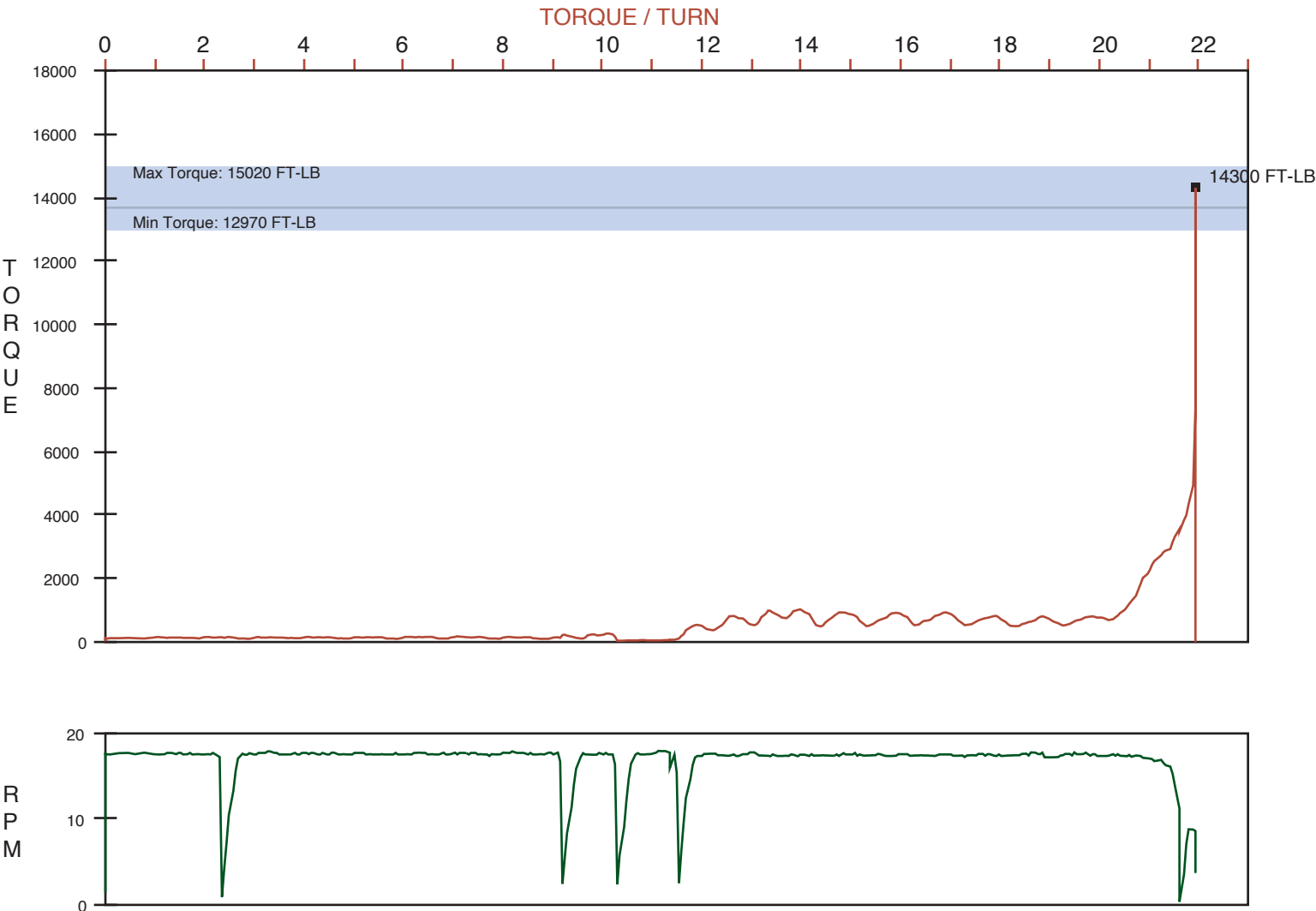
Joint #: 33

Count #: 33

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 4:29:52 PM	Heat/Lot#:	
Pipe Length:	37.690 ft		
Cumulative Length:	1276.793 ft		
Cumulative Weight:	29366.239 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14300 FT-LB
Final Turns:	21.938
Max RPM:	17.970
Delta Torque:	3800 FT-LB
Delta Turns:	0.014

Notes: joint 34



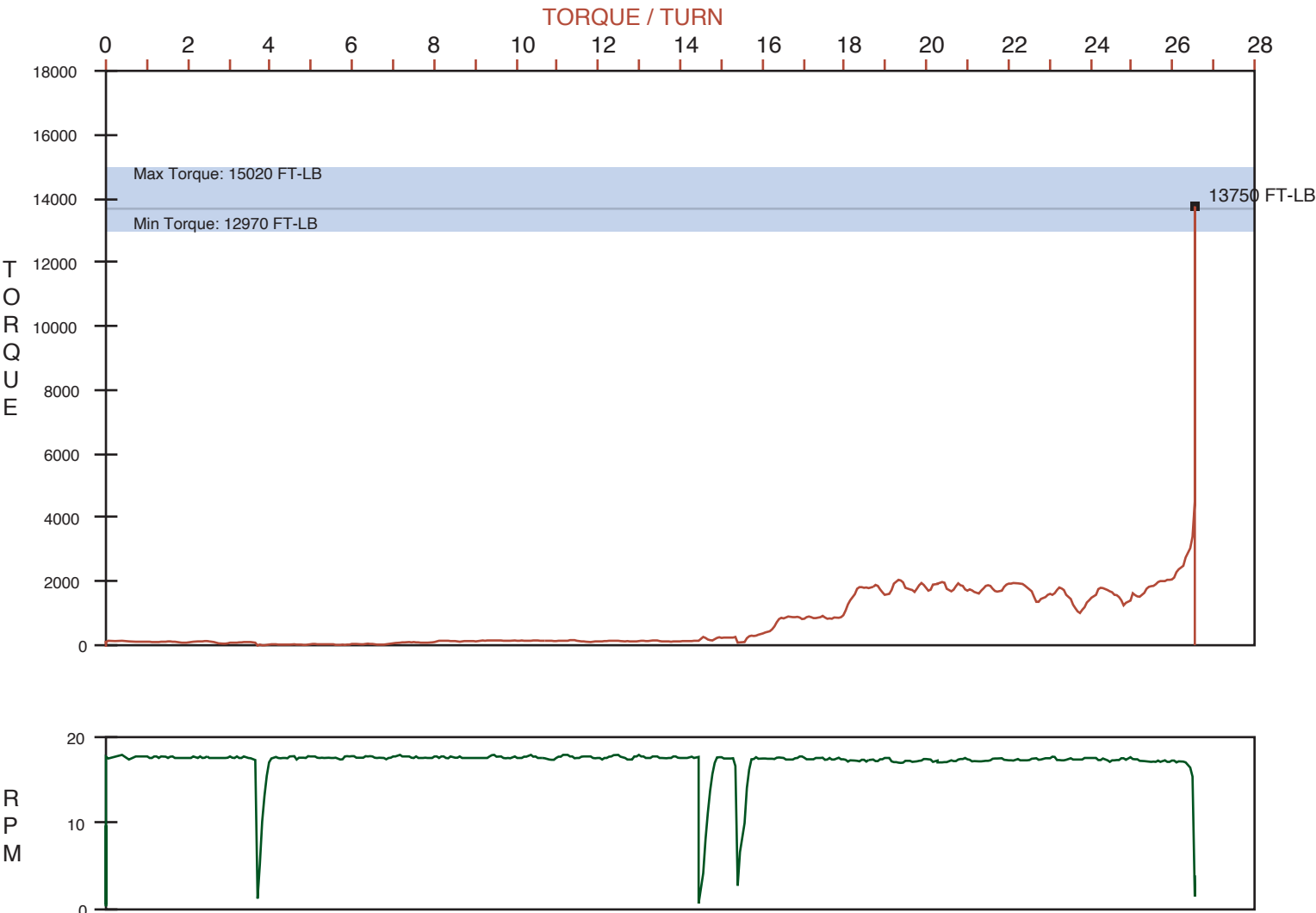
Joint #: 34

Count #: 34

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 4:35:55 PM	Heat/Lot#:	
Pipe Length:	37.854 ft		
Cumulative Length:	1314.647 ft		
Cumulative Weight:	30236.881 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13750 FT-LB
Final Turns:	26.558
Max RPM:	17.970
Delta Torque:	5560 FT-LB
Delta Turns:	0.029

Notes: joint 35



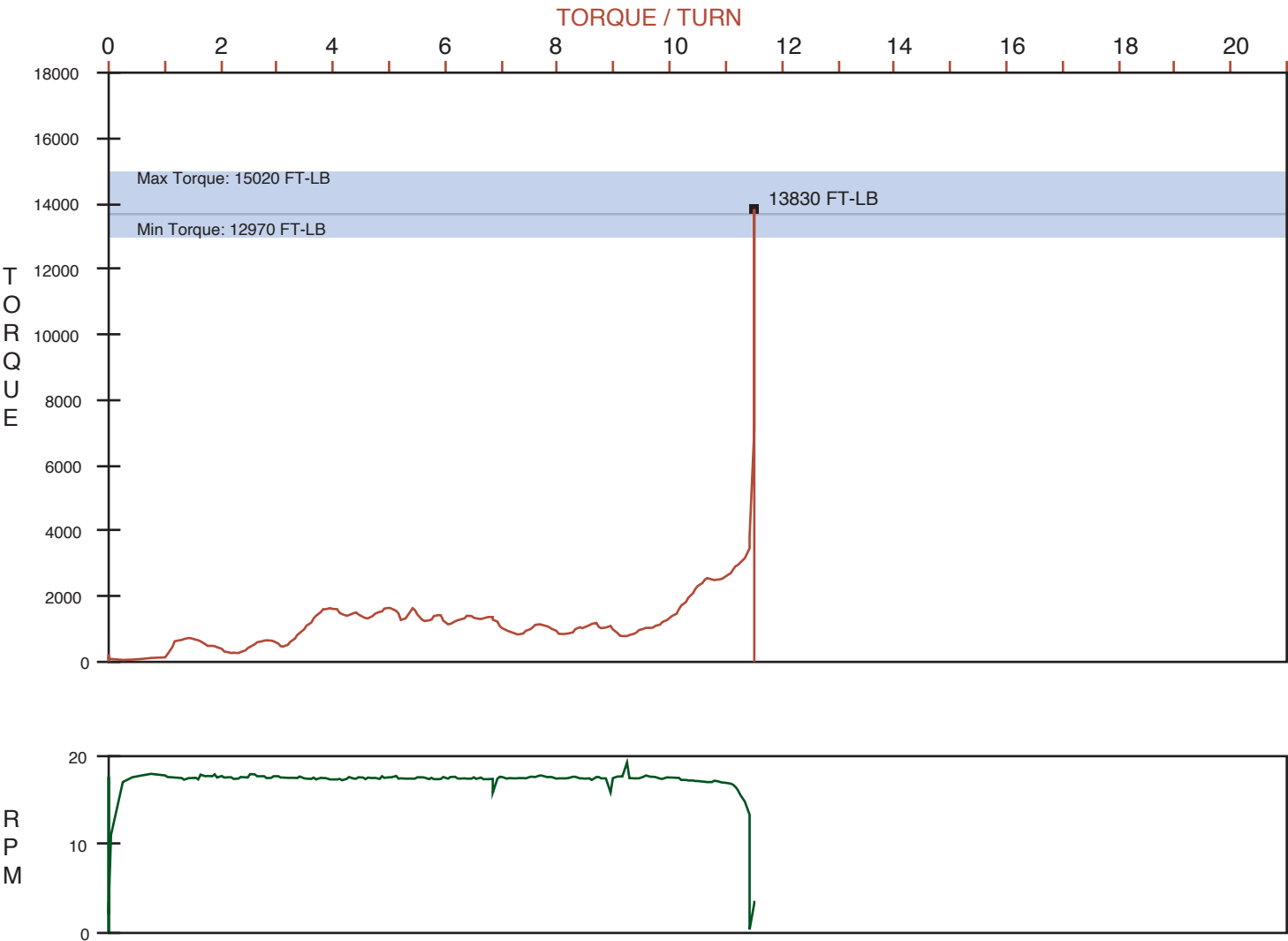
Joint #: 35

Count #: 35

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 4:43:14 PM	Heat/Lot#:	
Pipe Length:	37.894 ft		
Cumulative Length:	1352.541 ft		
Cumulative Weight:	31108.443 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13830 FT-LB
Final Turns:	11.504
Max RPM:	19.290
Delta Torque:	8080 FT-LB
Delta Turns:	0.060

Notes: joint 36





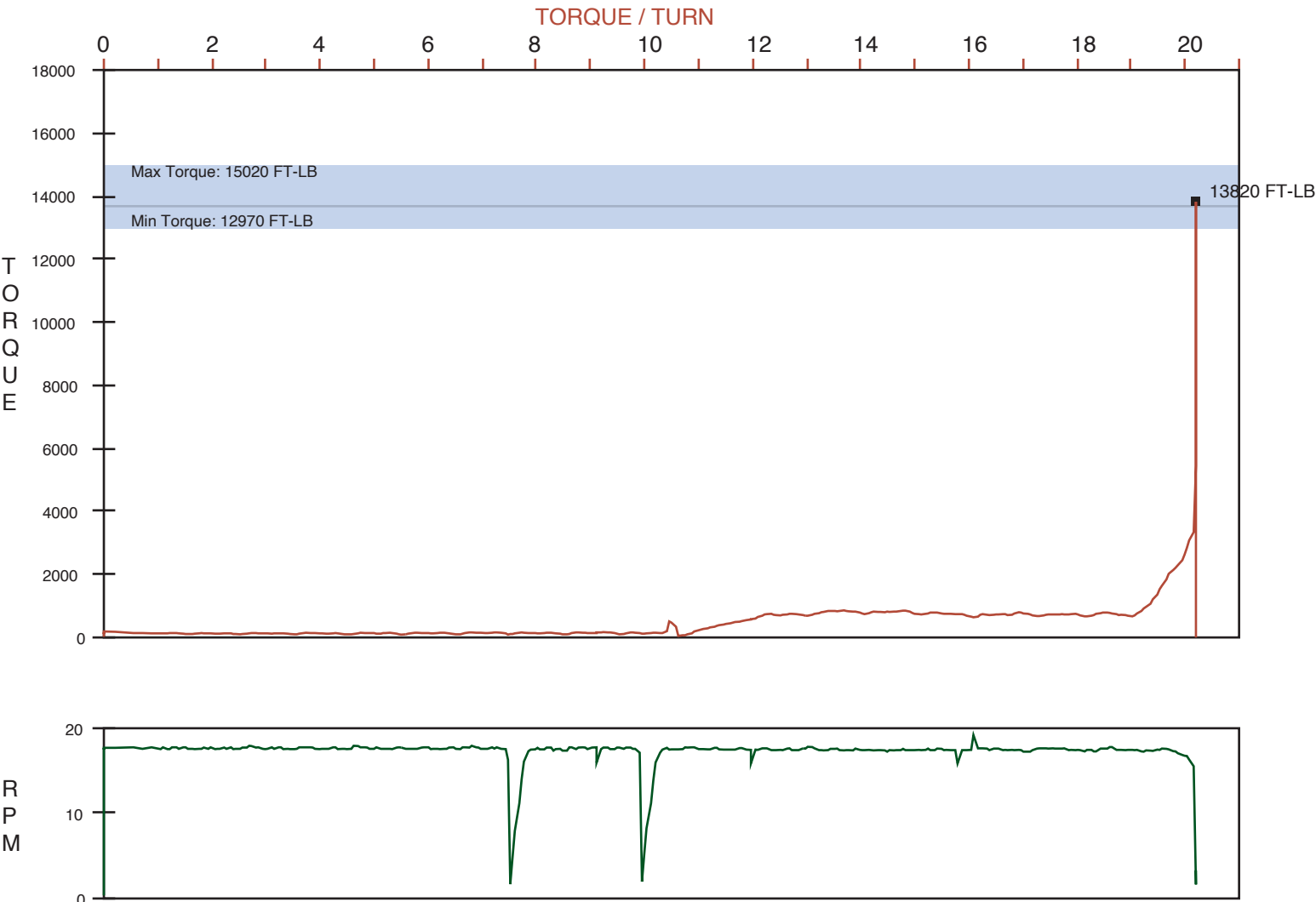
Joint #: 36

Count #: 36

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 4:48:03 PM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	1390.418 ft		
Cumulative Weight:	31979.614 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13820 FT-LB
Final Turns:	20.220
Max RPM:	19.320
Delta Torque:	4620 FT-LB
Delta Turns:	0.018

Notes: joint 37



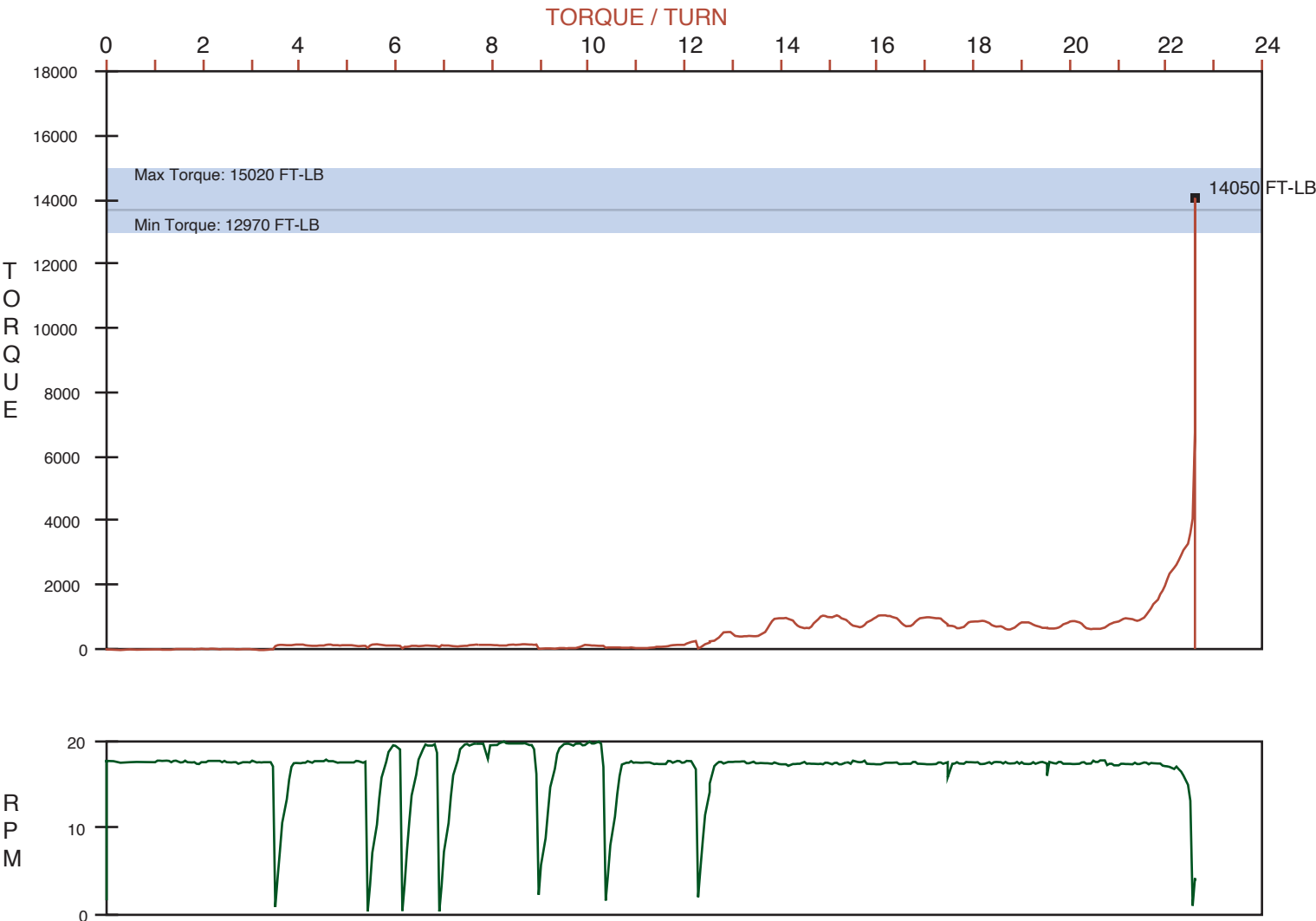
Joint #: 37

Count #: 37

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 4:53:19 PM	Heat/Lot#:	
Pipe Length:	37.881 ft		
Cumulative Length:	1428.299 ft		
Cumulative Weight:	32850.877 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14050 FT-LB
Final Turns:	22.622
Max RPM:	21.360
Delta Torque:	3740 FT-LB
Delta Turns:	0.007

Notes: joint 38



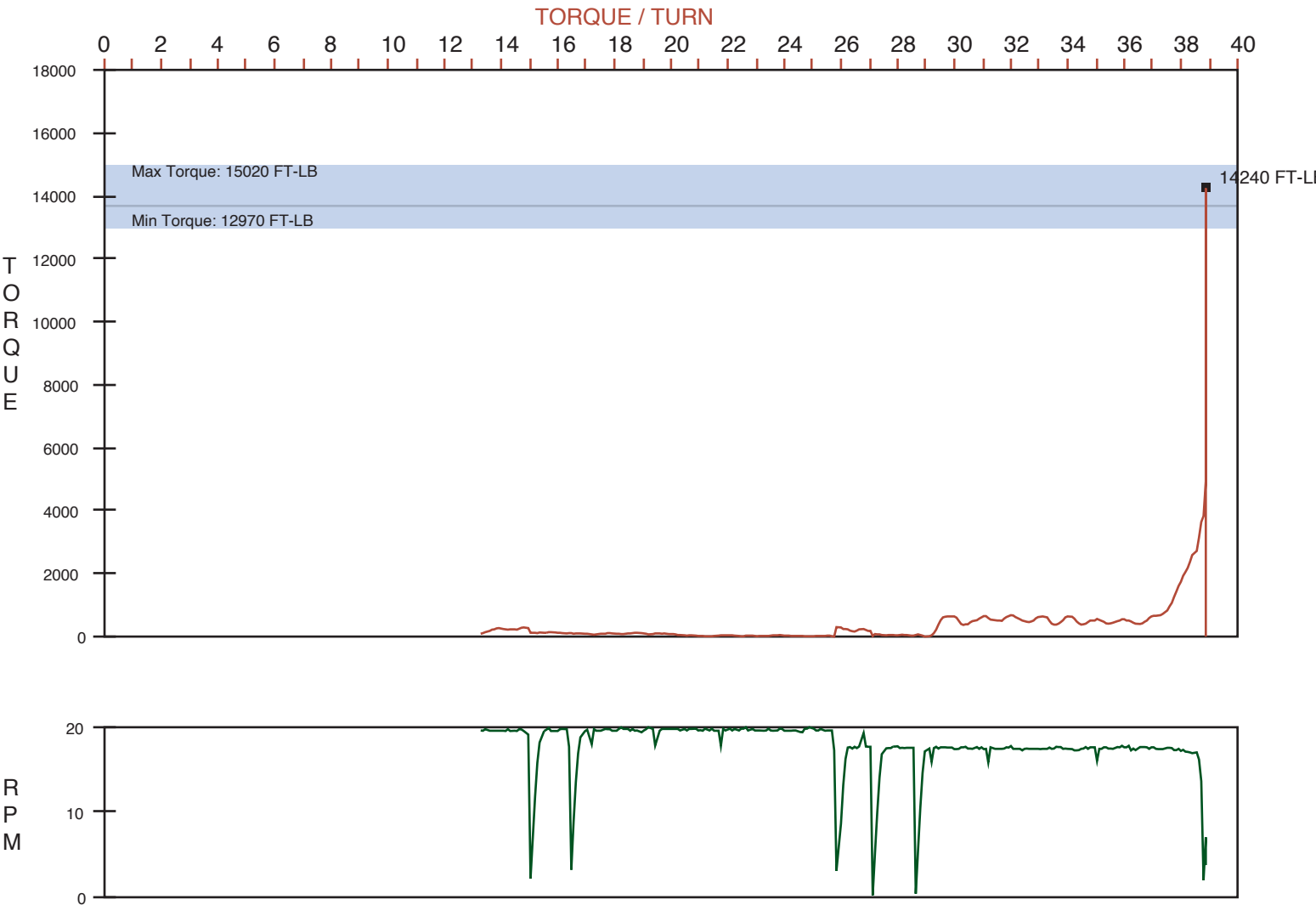
Joint #: 38

Count #: 38

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 5:00:14 PM	Heat/Lot#:	
Pipe Length:	37.864 ft		
Cumulative Length:	1466.163 ft		
Cumulative Weight:	33721.749 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14240 FT-LB
Final Turns:	38.916
Max RPM:	21.780
Delta Torque:	4160 FT-LB
Delta Turns:	0.014

Notes: joint 39



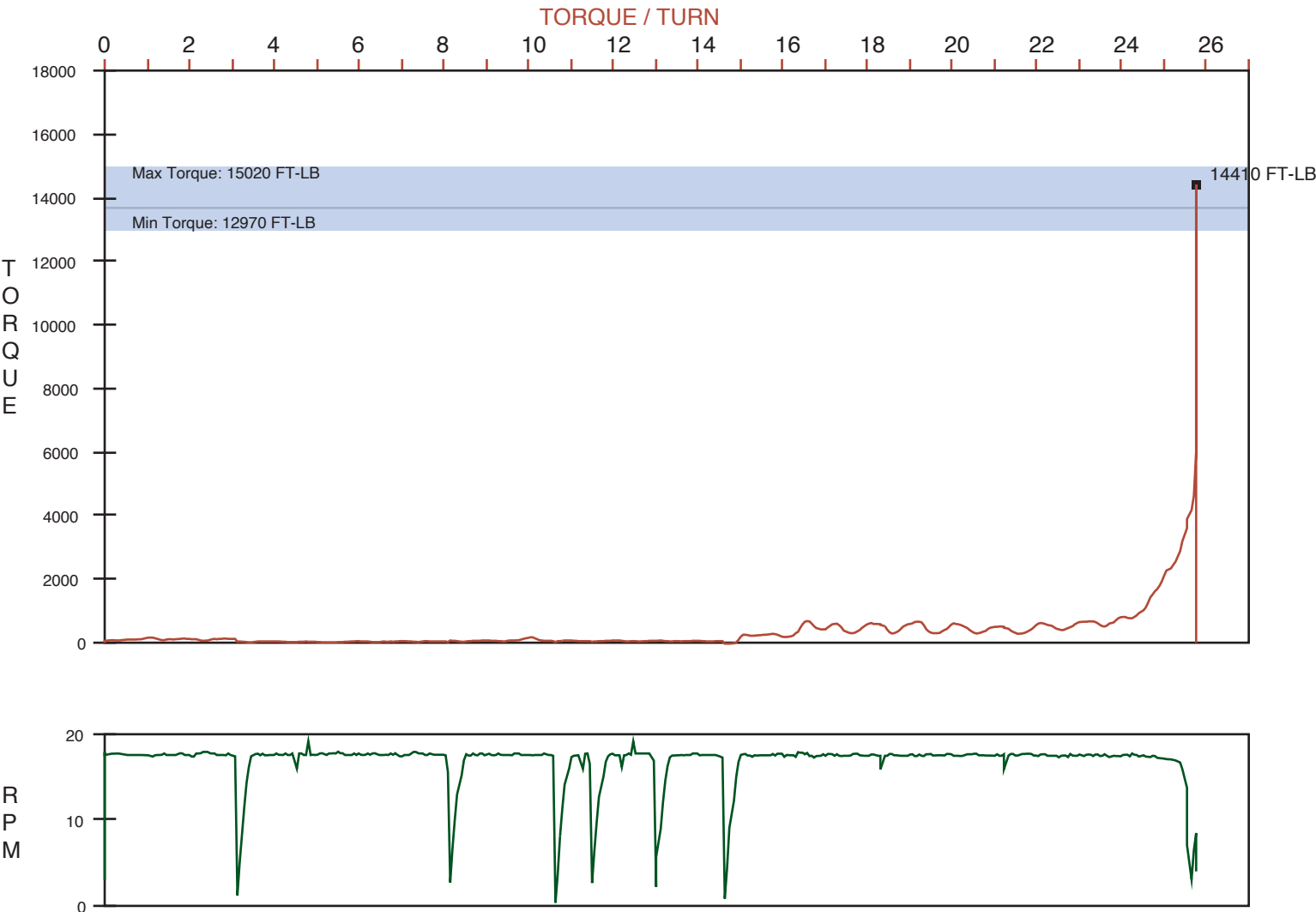
Joint #: 39

Count #: 39

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 5:05:51 PM	Heat/Lot#:	
Pipe Length:	37.884 ft		
Cumulative Length:	1504.047 ft		
Cumulative Weight:	34593.081 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14410 FT-LB
Final Turns:	25.762
Max RPM:	19.290
Delta Torque:	4490 FT-LB
Delta Turns:	0.017

Notes: joint 40

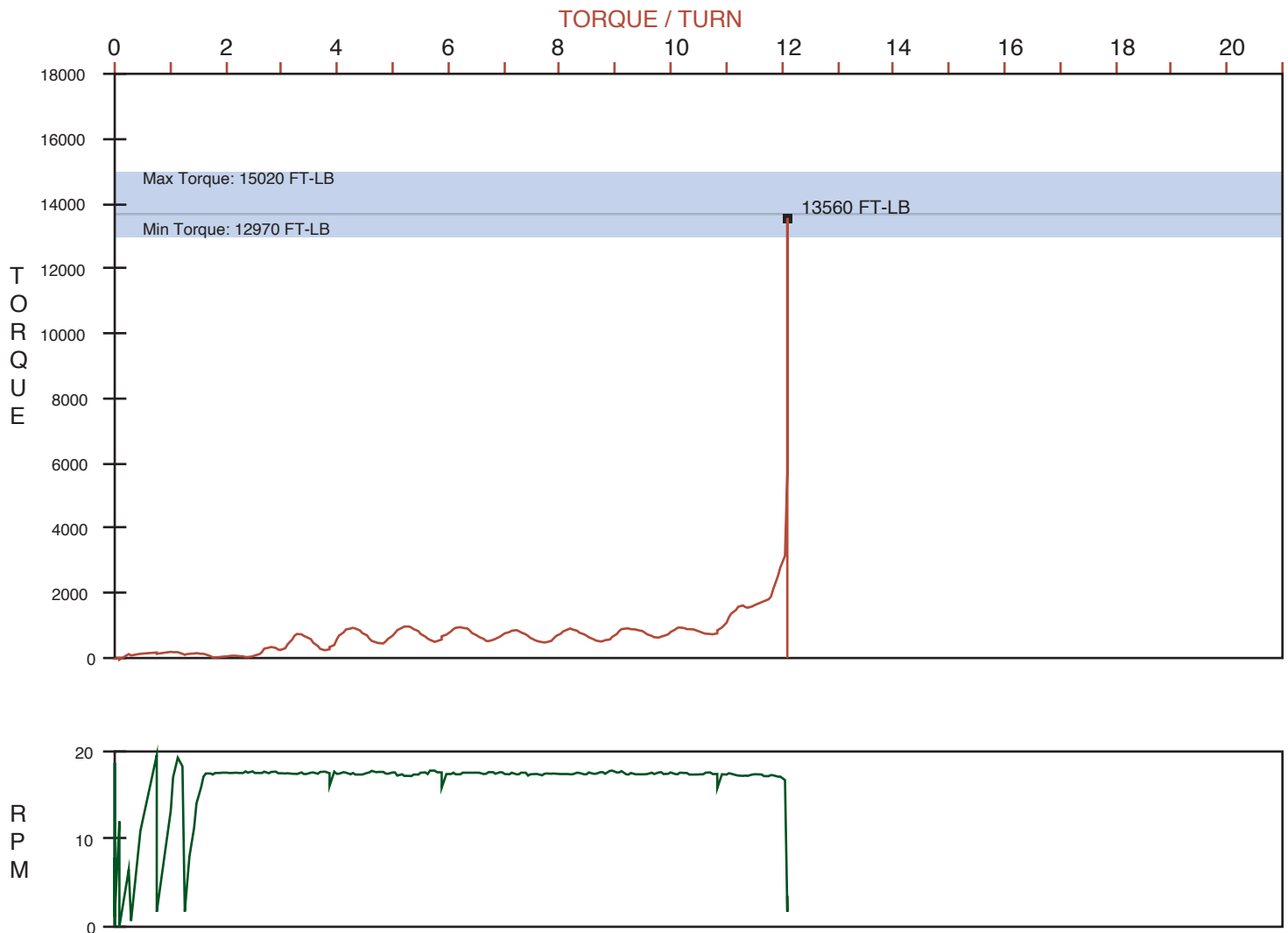


**Joint #: 40****Count #: 40**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 5:10:38 PM**

Heat/Lot#:

Pipe Length: **37.822 ft**Cumulative Length: **1541.869 ft**Cumulative Weight: **35462.987 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13560 FT-LB**Final Turns: **12.094**Max RPM: **19.980**Delta Torque: **7830 FT-LB**Delta Turns: **0.047**Notes: **joint 41**

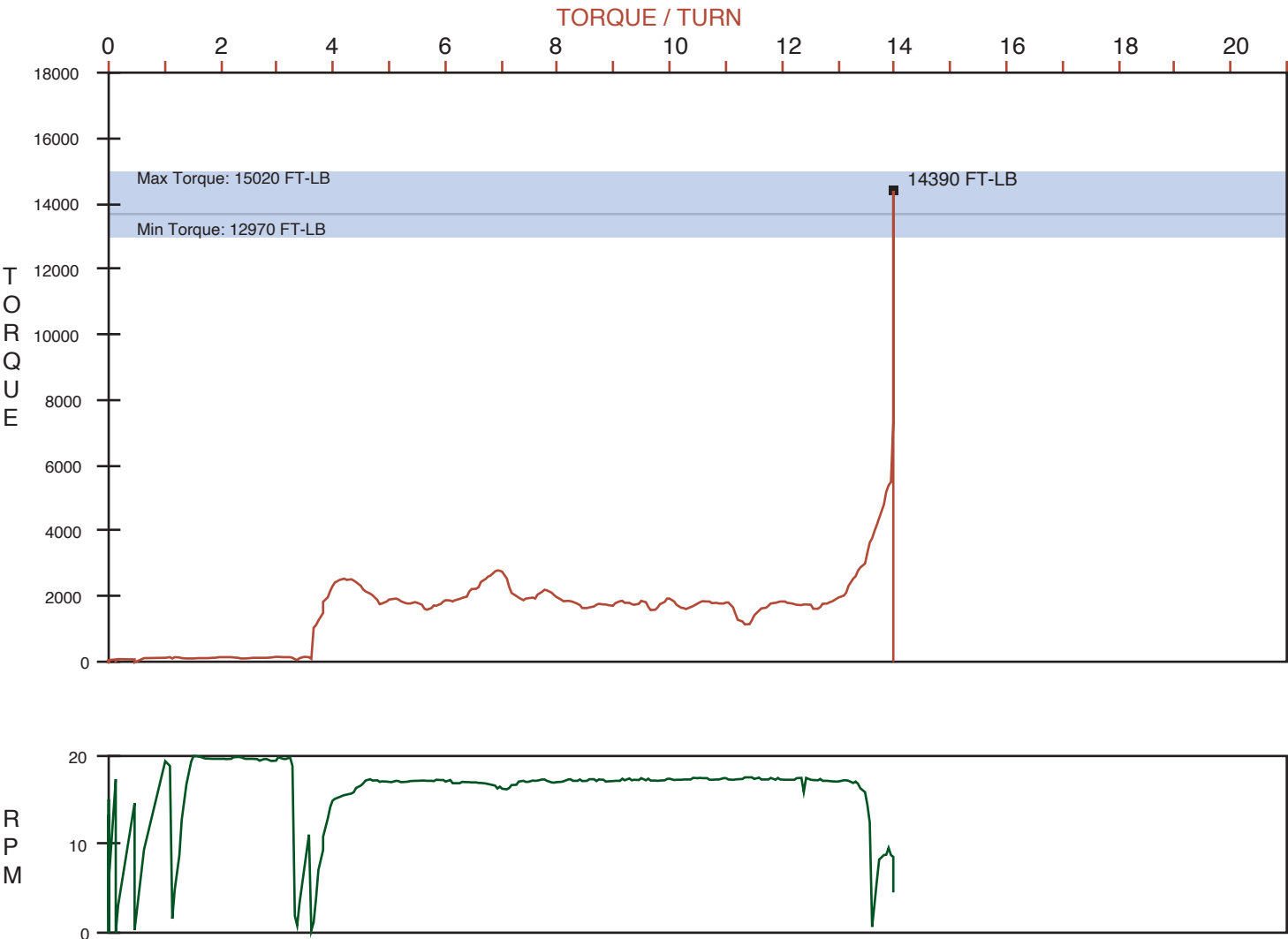
Joint #: 41

Count #: 41

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 5:15:32 PM	Heat/Lot#:	
Pipe Length:	37.835 ft		
Cumulative Length:	1579.704 ft		
Cumulative Weight:	36333.192 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14390 FT-LB
Final Turns:	14.004
Max RPM:	20.130
Delta Torque:	4340 FT-LB
Delta Turns:	0.014

Notes: joint 42



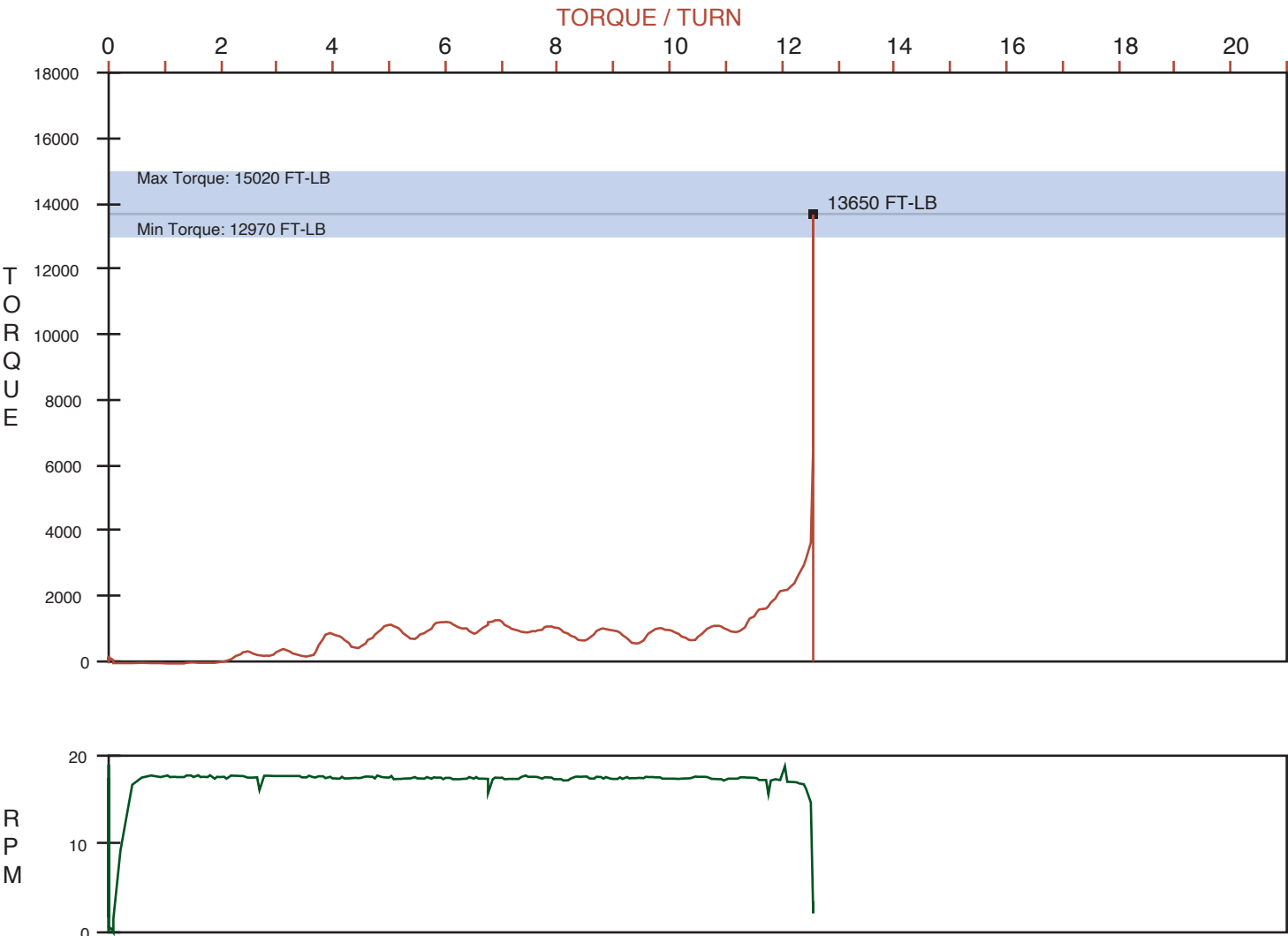
Joint #: 42

Count #: 42

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 5:20:10 PM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	1617.532 ft		
Cumulative Weight:	37203.236 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13650 FT-LB
Final Turns:	12.554
Max RPM:	19.320
Delta Torque:	2060 FT-LB
Delta Turns:	-0.001

Notes: joint 43

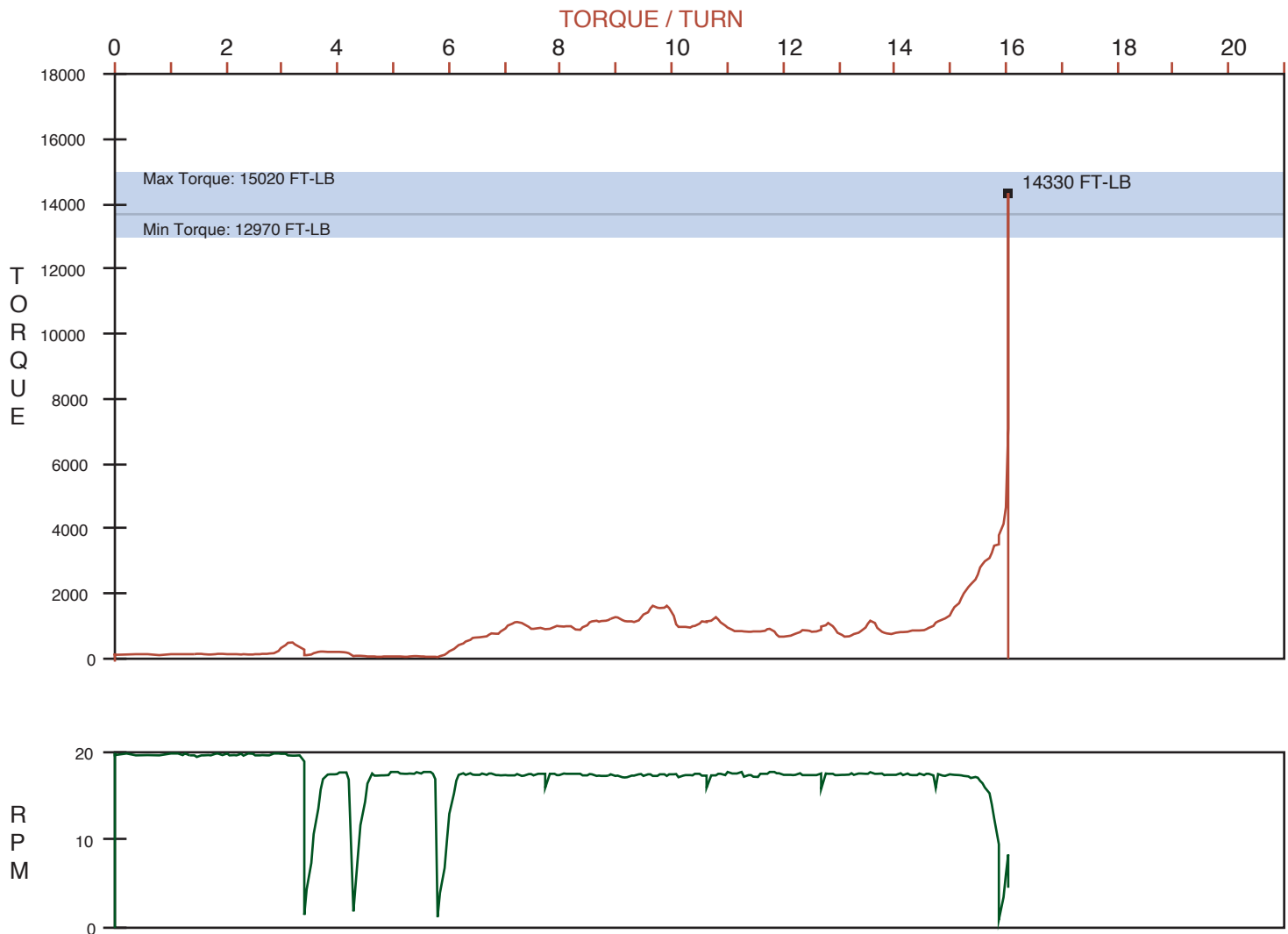


**Joint #: 43****Count #: 43**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 5:25:42 PM**

Heat/Lot#:

Pipe Length: **37.858 ft**Cumulative Length: **1655.390 ft**Cumulative Weight: **38073.970 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14330 FT-LB**Final Turns: **16.059**Max RPM: **19.950**Delta Torque: **7250 FT-LB**Delta Turns: **0.050**Notes: **joint 44**

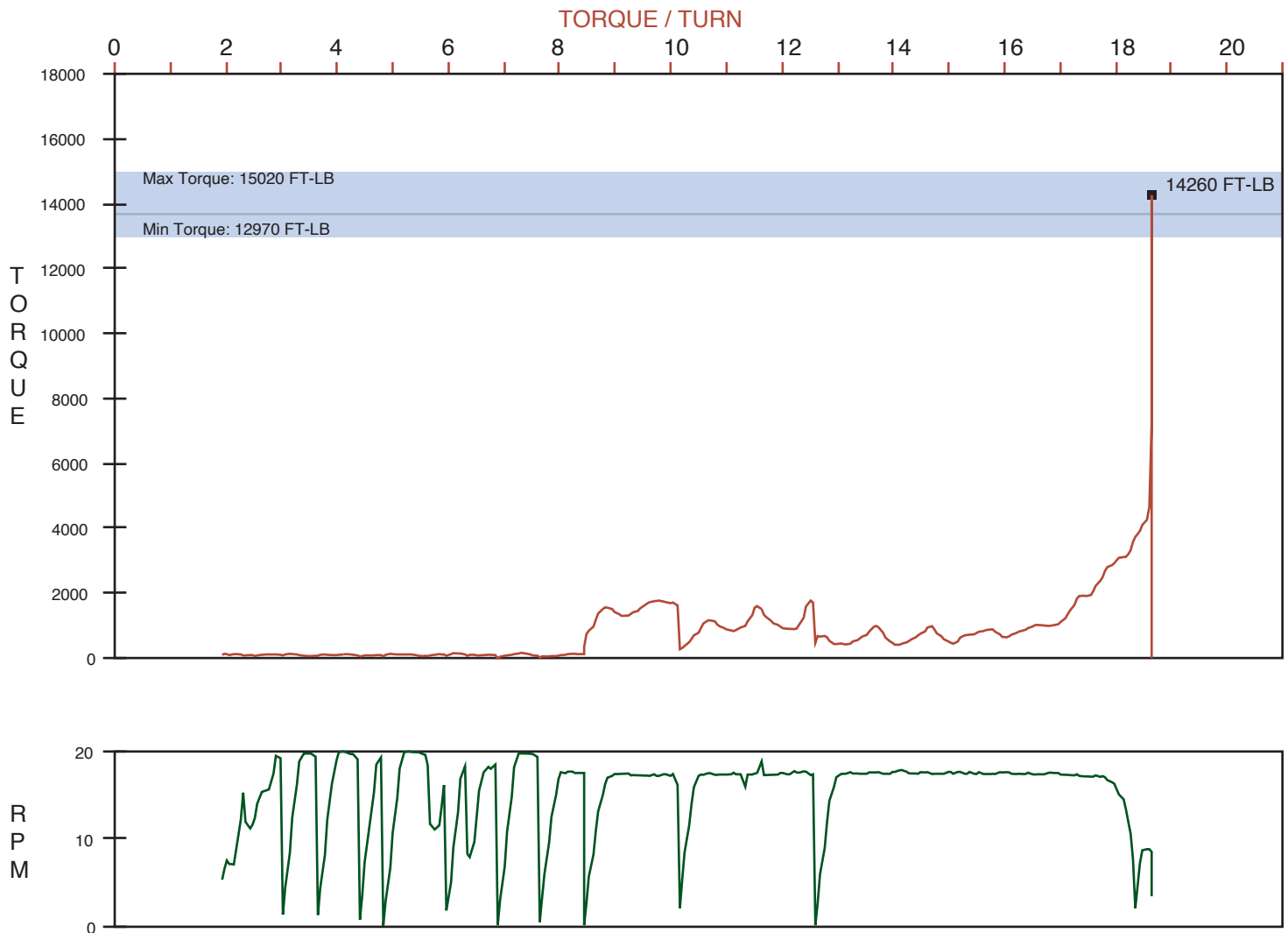


**Joint #: 44****Count #: 44**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 5:34:17 PM**

Heat/Lot#:

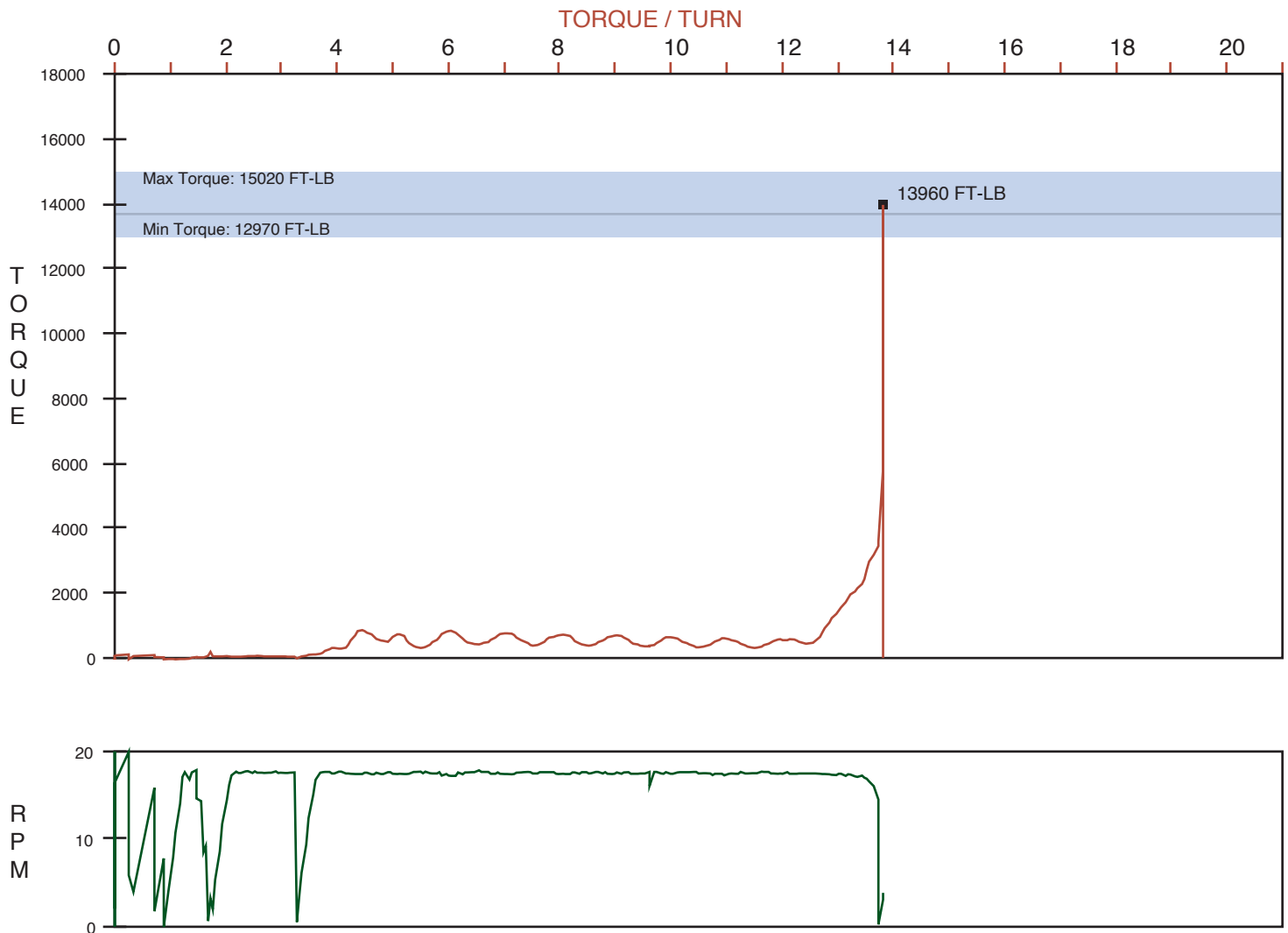
Pipe Length: **37.861 ft**Cumulative Length: **1693.251 ft**Cumulative Weight: **38944.773 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14260 FT-LB**Final Turns: **18.657**Max RPM: **20.160**Delta Torque: **3180 FT-LB**Delta Turns: **0.009**Notes: **joint 45**

**Joint #: 45****Count #: 45**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 5:38:46 PM**

Heat/Lot#:

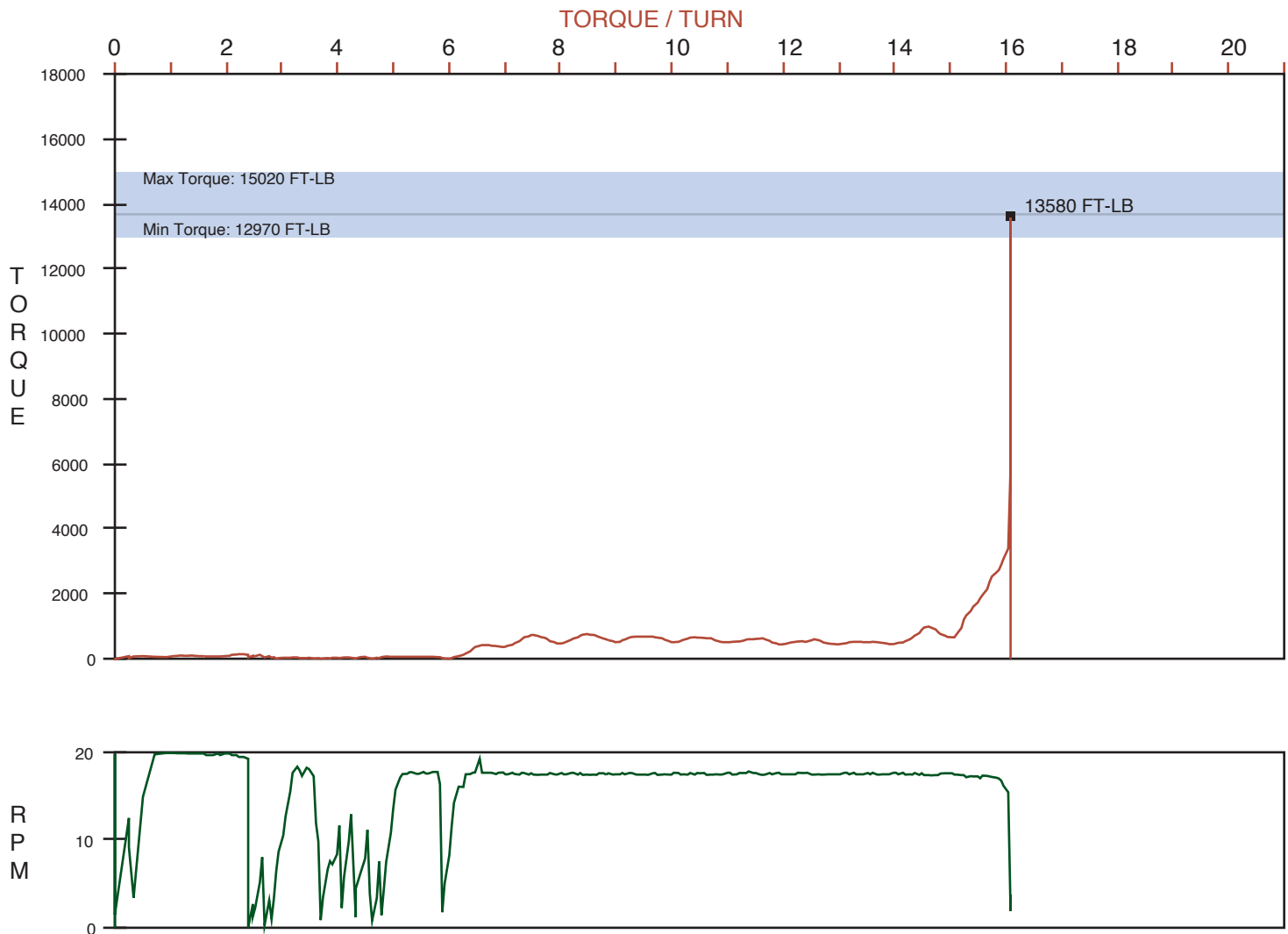
Pipe Length: **37.861 ft**Cumulative Length: **1731.112 ft**Cumulative Weight: **39815.576 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13960 FT-LB**Final Turns: **13.818**Max RPM: **20.100**Delta Torque: **0 FT-LB**Delta Turns: **0**Notes: **joint 46**

**Joint #: 46****Count #: 46**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 5:44:14 PM**

Heat/Lot#:

Pipe Length: **37.730 ft**Cumulative Length: **1768.842 ft**Cumulative Weight: **40683.366 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13580 FT-LB**Final Turns: **16.106**Max RPM: **21.660**Delta Torque: **2440 FT-LB**Delta Turns: **0.000**Notes: **joint 47**

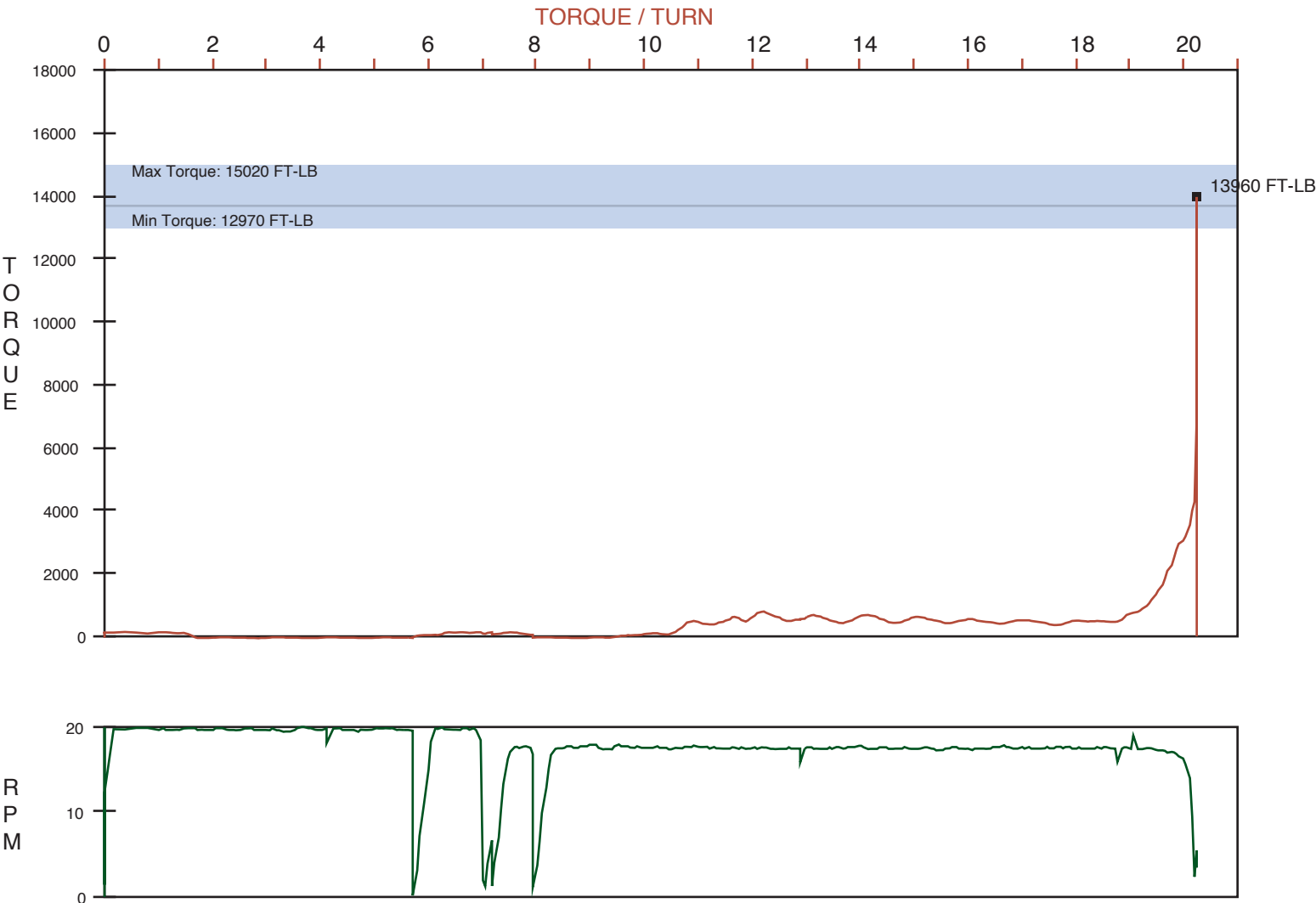
Joint #: 47

Count #: 47

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 5:50:03 PM	Heat/Lot#:	
Pipe Length:	37.884 ft		
Cumulative Length:	1806.726 ft		
Cumulative Weight:	41554.698 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13960 FT-LB
Final Turns:	20.250
Max RPM:	21.420
Delta Torque:	3610 FT-LB
Delta Turns:	0.009

Notes: joint 48



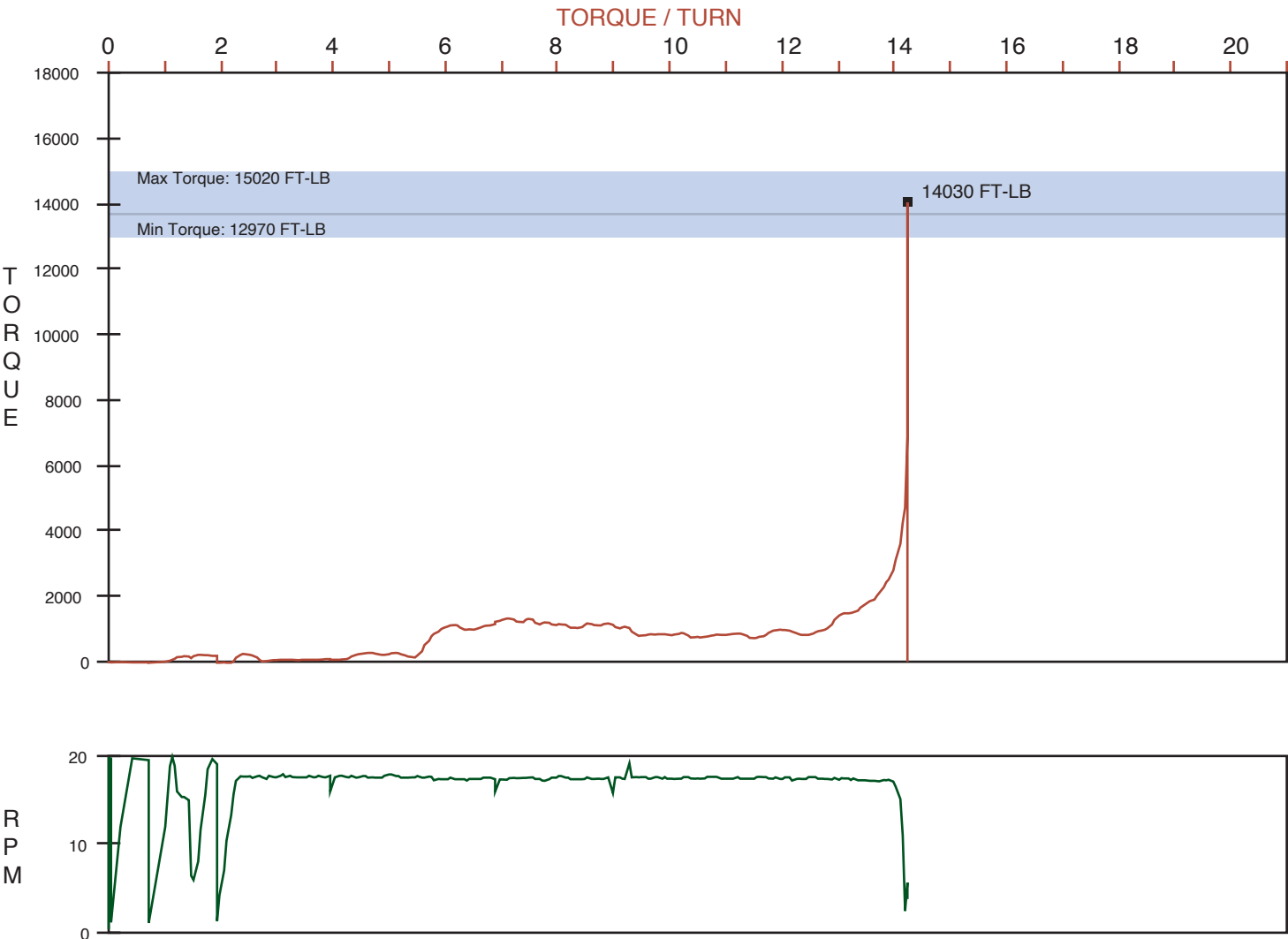
Joint #: 48

Count #: 48

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 5:54:19 PM	Heat/Lot#:	
Pipe Length:	33.652 ft		
Cumulative Length:	1840.378 ft		
Cumulative Weight:	42328.694 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14030 FT-LB
Final Turns:	14.254
Max RPM:	20.010
Delta Torque:	3640 FT-LB
Delta Turns:	0.014

Notes: joint 49



Joint #: 49-A1

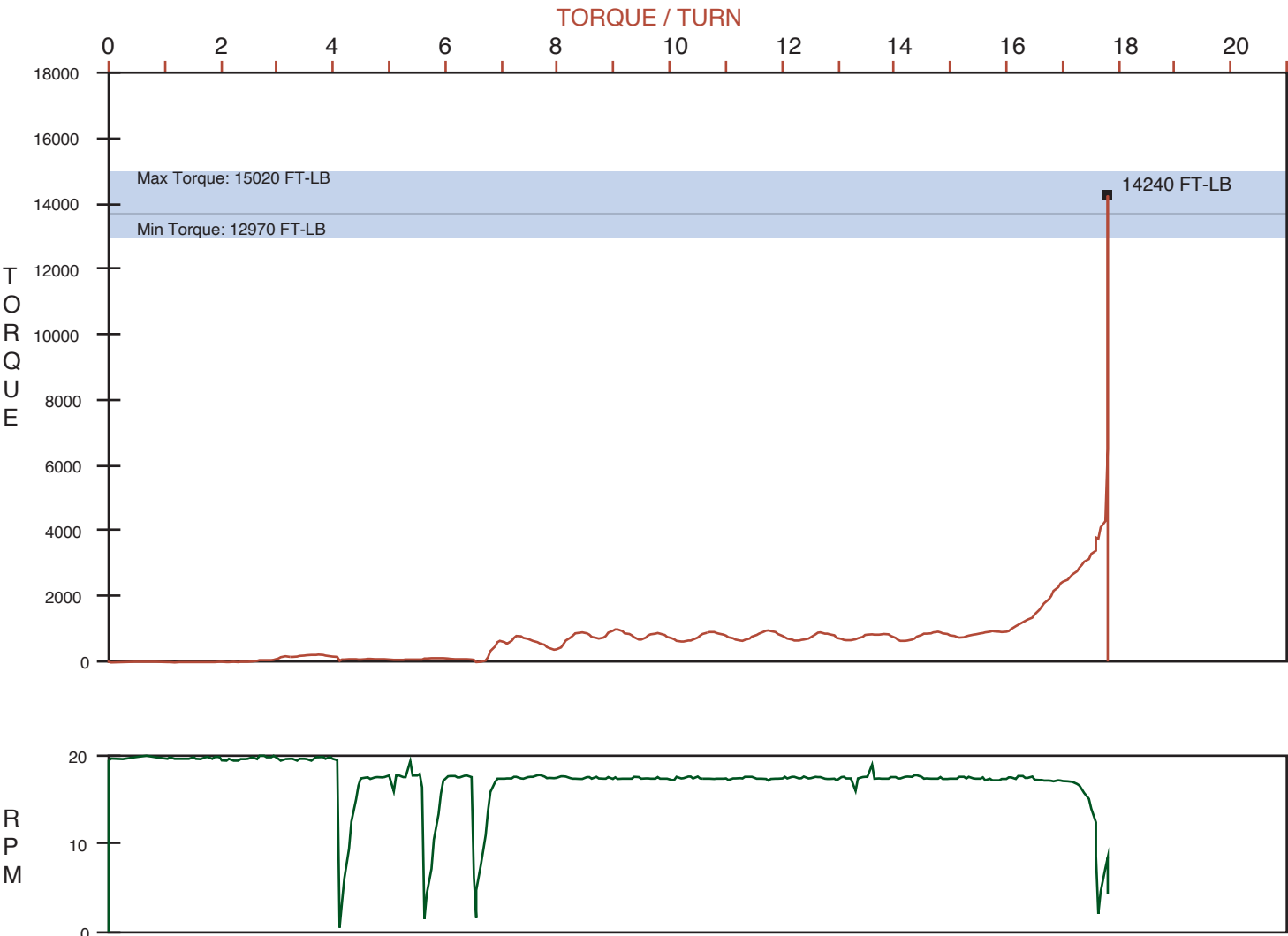
Count #: 1

Job:	5.5 production casing
Time:	10/14/2023 6:01:26 PM
Pipe Length:	19.285 ft
Cumulative Length:	1859.663 ft
Cumulative Weight:	42328.694 lbs
Pipe:	

Serial#:	
Heat/Lot#:	

Final Torque:	14240 FT-LB
Final Turns:	17.815
Max RPM:	20.070
Delta Torque:	3690 FT-LB
Delta Turns:	0.009

Notes: pup joint A



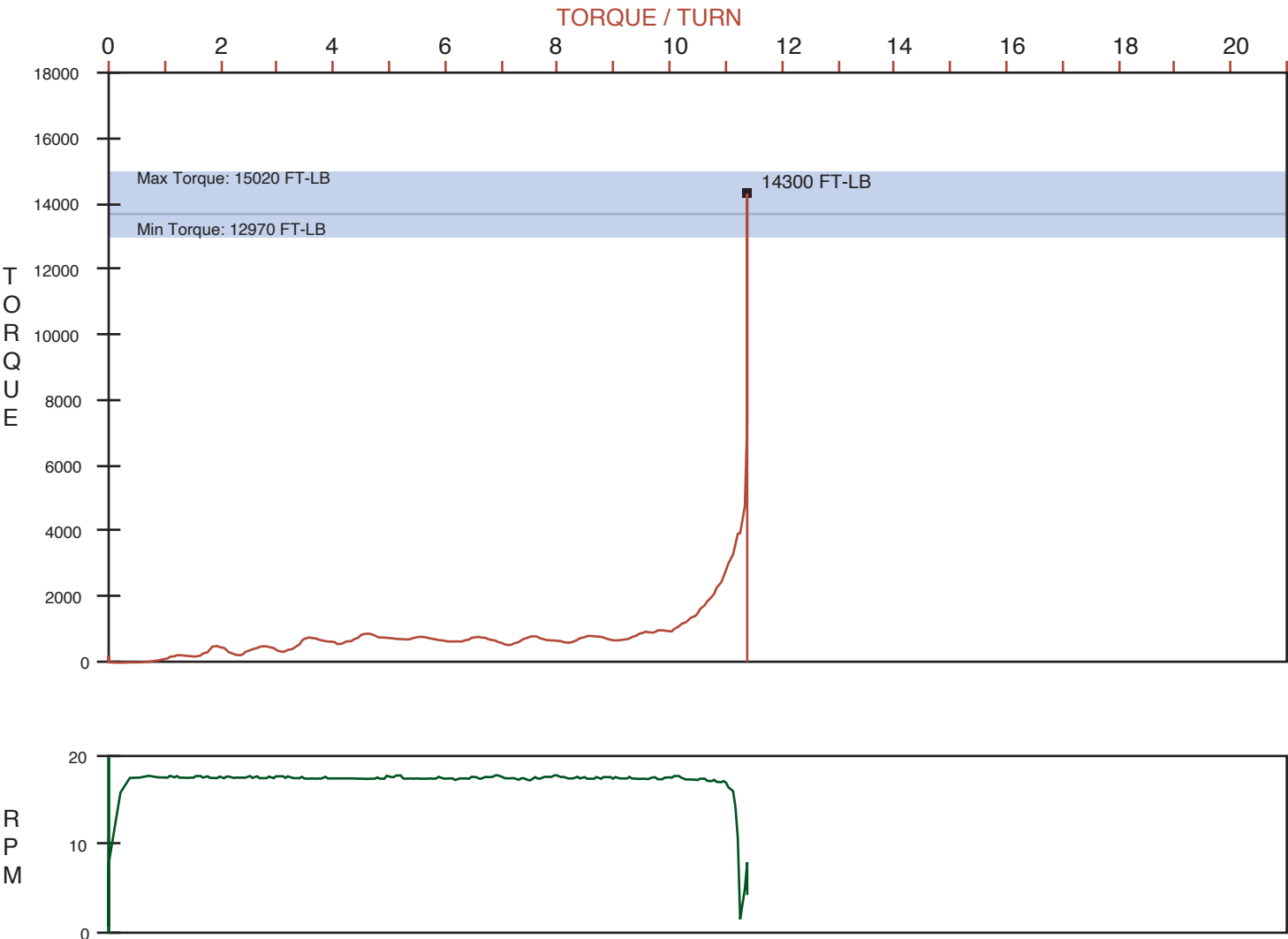
Joint #: 49

Count #: 49

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 6:05:22 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	1897.524 ft		
Cumulative Weight:	43199.497 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14300 FT-LB
Final Turns:	11.390
Max RPM:	21.480
Delta Torque:	2720 FT-LB
Delta Turns:	0.002

Notes: joint 50



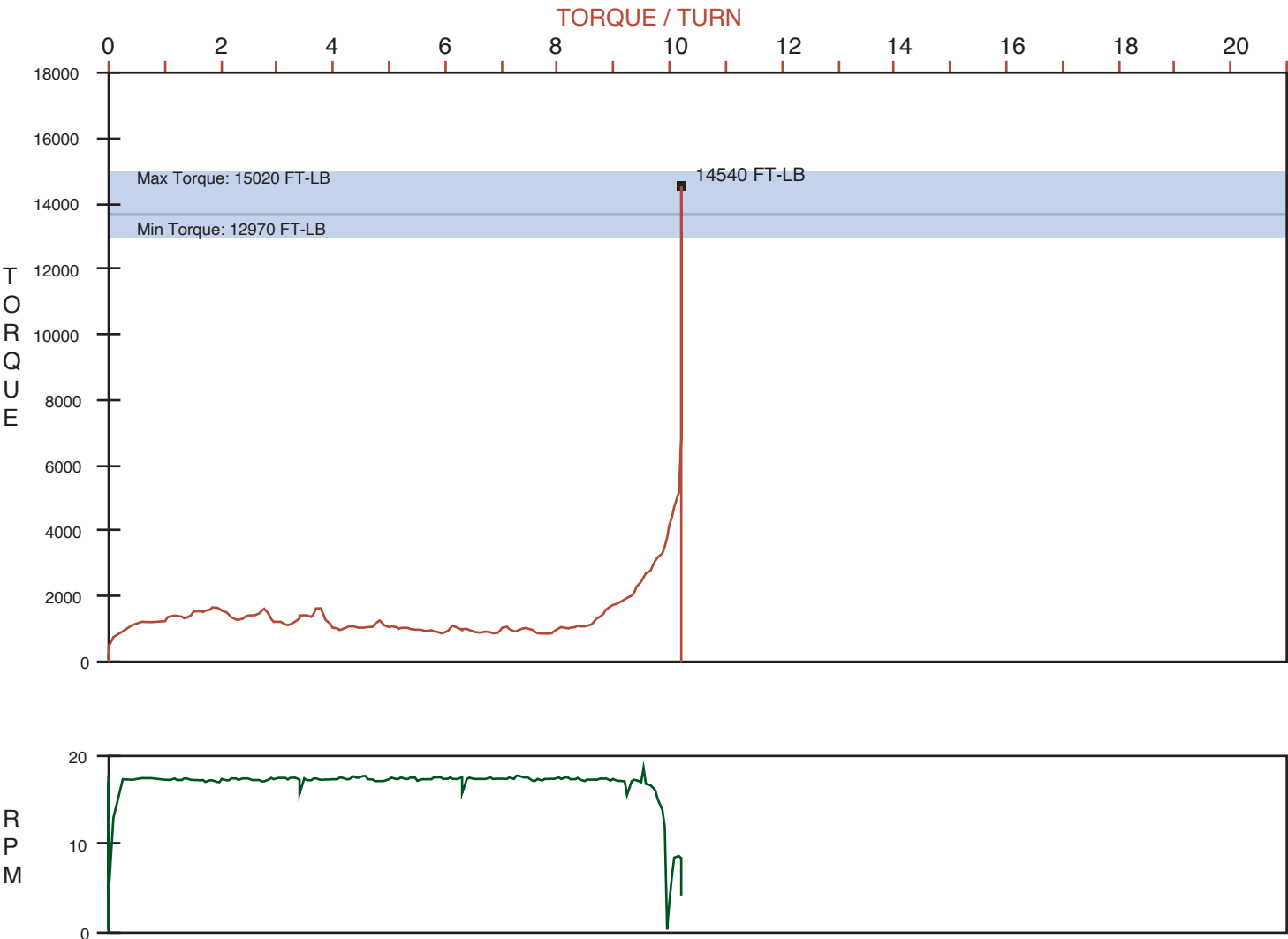
Joint #: 50

Count #: 50

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 6:11:06 PM	Heat/Lot#:	
Pipe Length:	37.867 ft		
Cumulative Length:	1935.391 ft		
Cumulative Weight:	44070.438 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14540 FT-LB
Final Turns:	10.208
Max RPM:	19.020
Delta Torque:	3970 FT-LB
Delta Turns:	0.008

Notes: joint 51





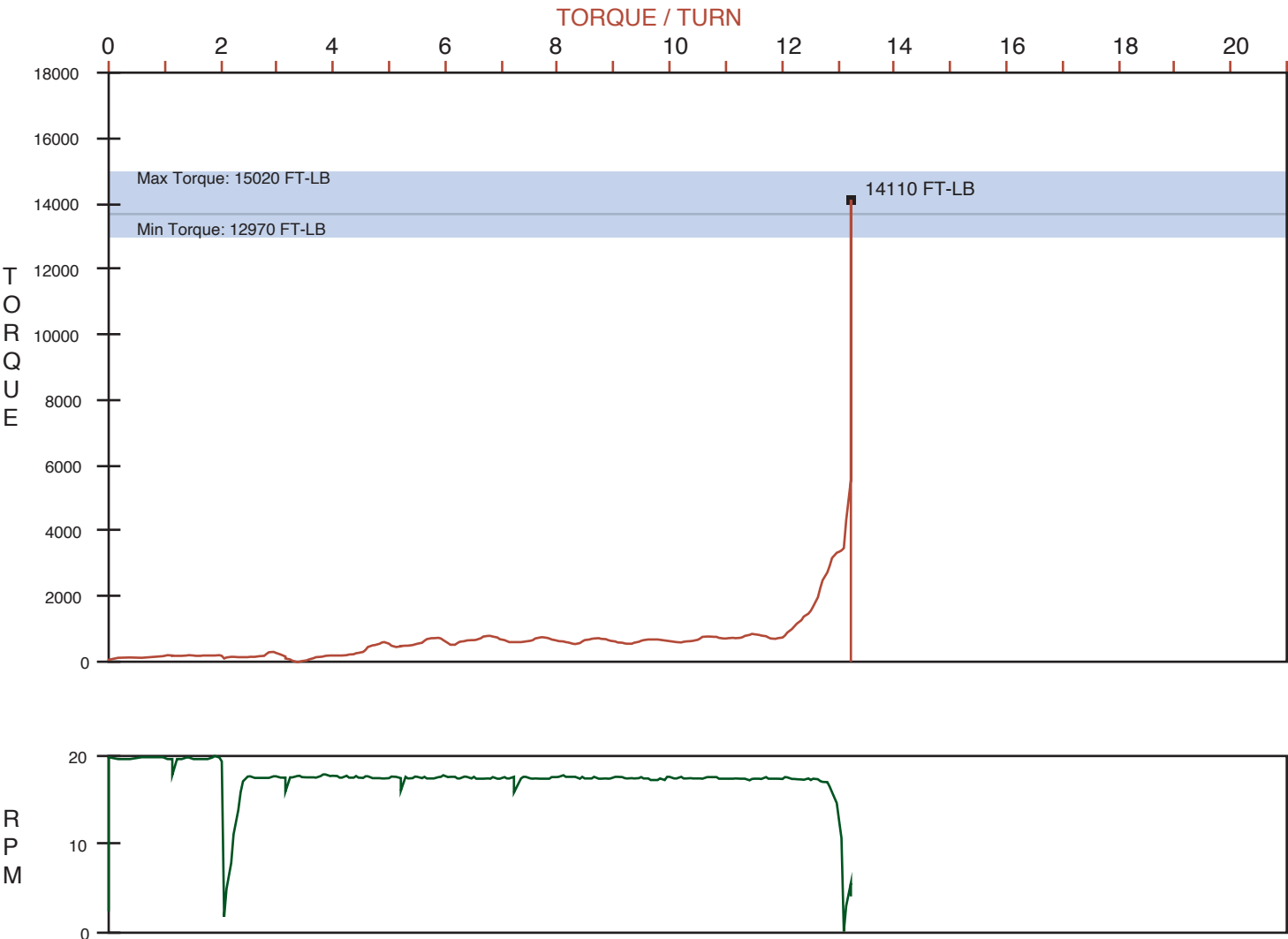
Joint #: 51

Count #: 51

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 6:15:42 PM	Heat/Lot#:	
Pipe Length:	37.477 ft		
Cumulative Length:	1972.868 ft		
Cumulative Weight:	44932.409 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14110 FT-LB
Final Turns:	13.22
Max RPM:	21.630
Delta Torque:	3400 FT-LB
Delta Turns:	0.007

Notes: joint 52

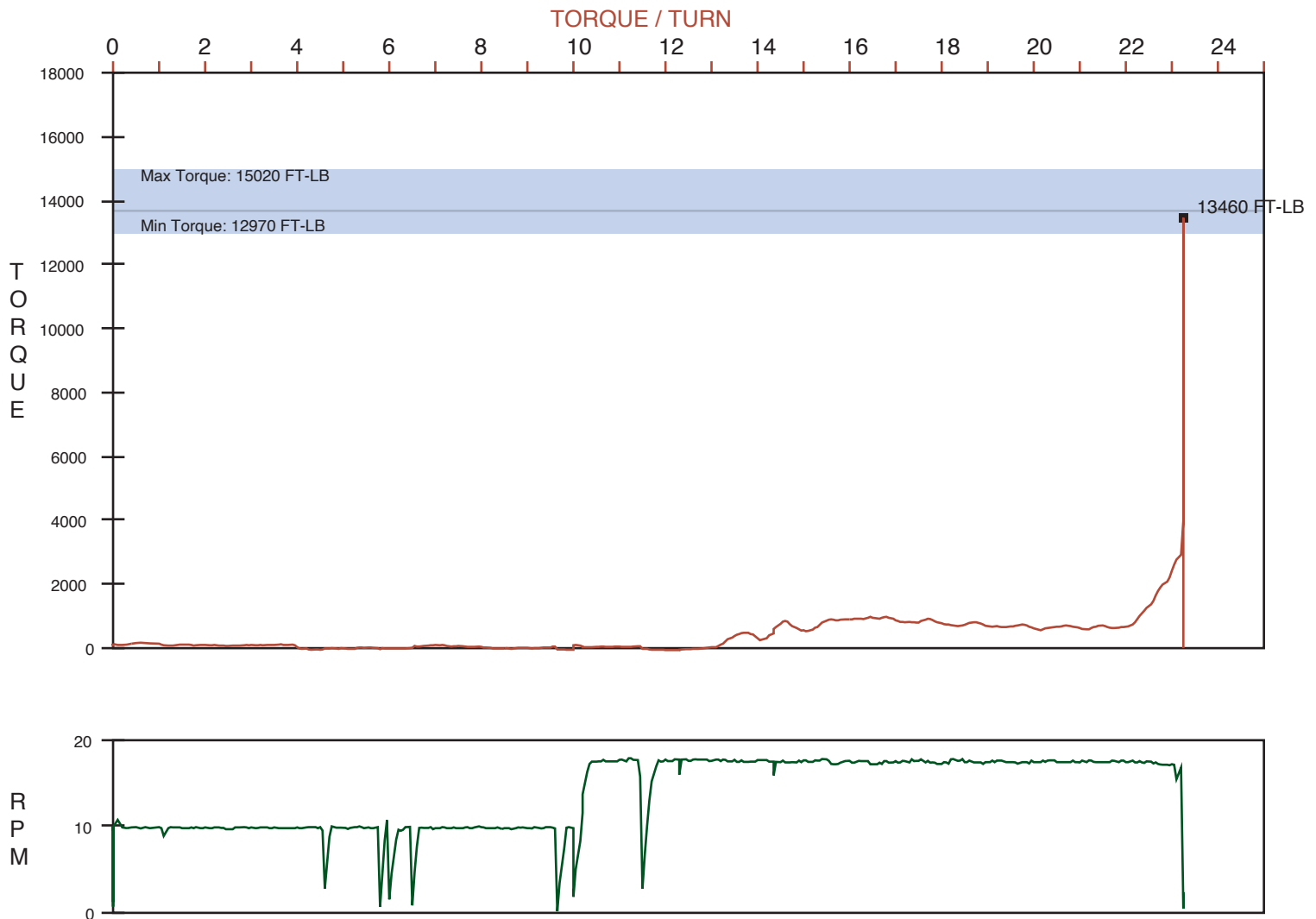


**Joint #: 52****Count #: 52**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 6:44:13 PM**

Heat/Lot#:

Pipe Length: **37.867 ft**Cumulative Length: **2010.735 ft**Cumulative Weight: **45803.350 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13460 FT-LB**Final Turns: **23.241**Max RPM: **19.350**Delta Torque: **4870 FT-LB**Delta Turns: **0.019**Notes: **joint 53**

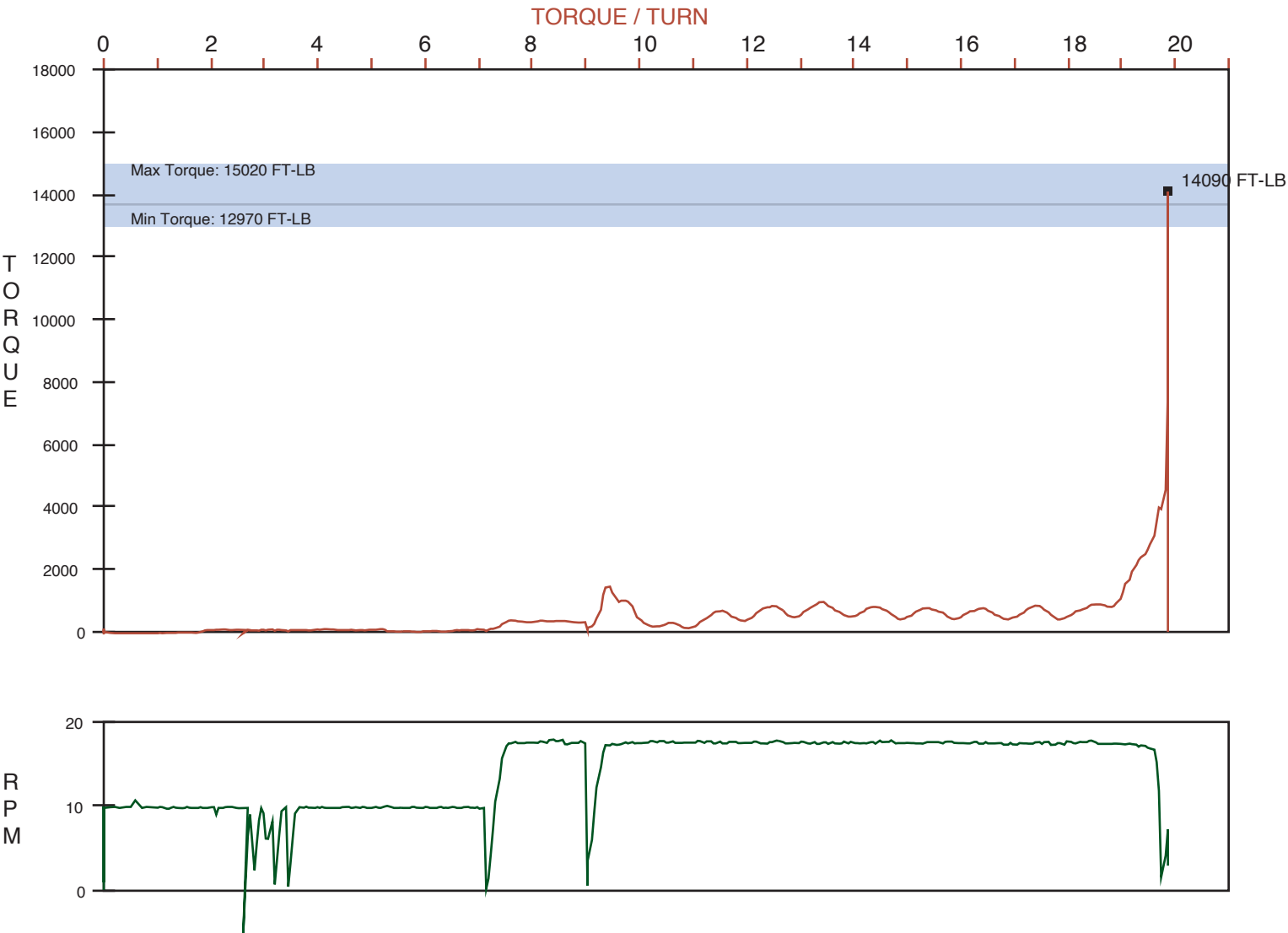
Joint #: 53

Count #: 53

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 6:49:31 PM	Heat/Lot#:	
Pipe Length:	37.818 ft		
Cumulative Length:	2048.553 ft		
Cumulative Weight:	46673.164 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14090 FT-LB
Final Turns:	19.872
Max RPM:	17.910
Delta Torque:	4640 FT-LB
Delta Turns:	0.024

Notes: joint 54

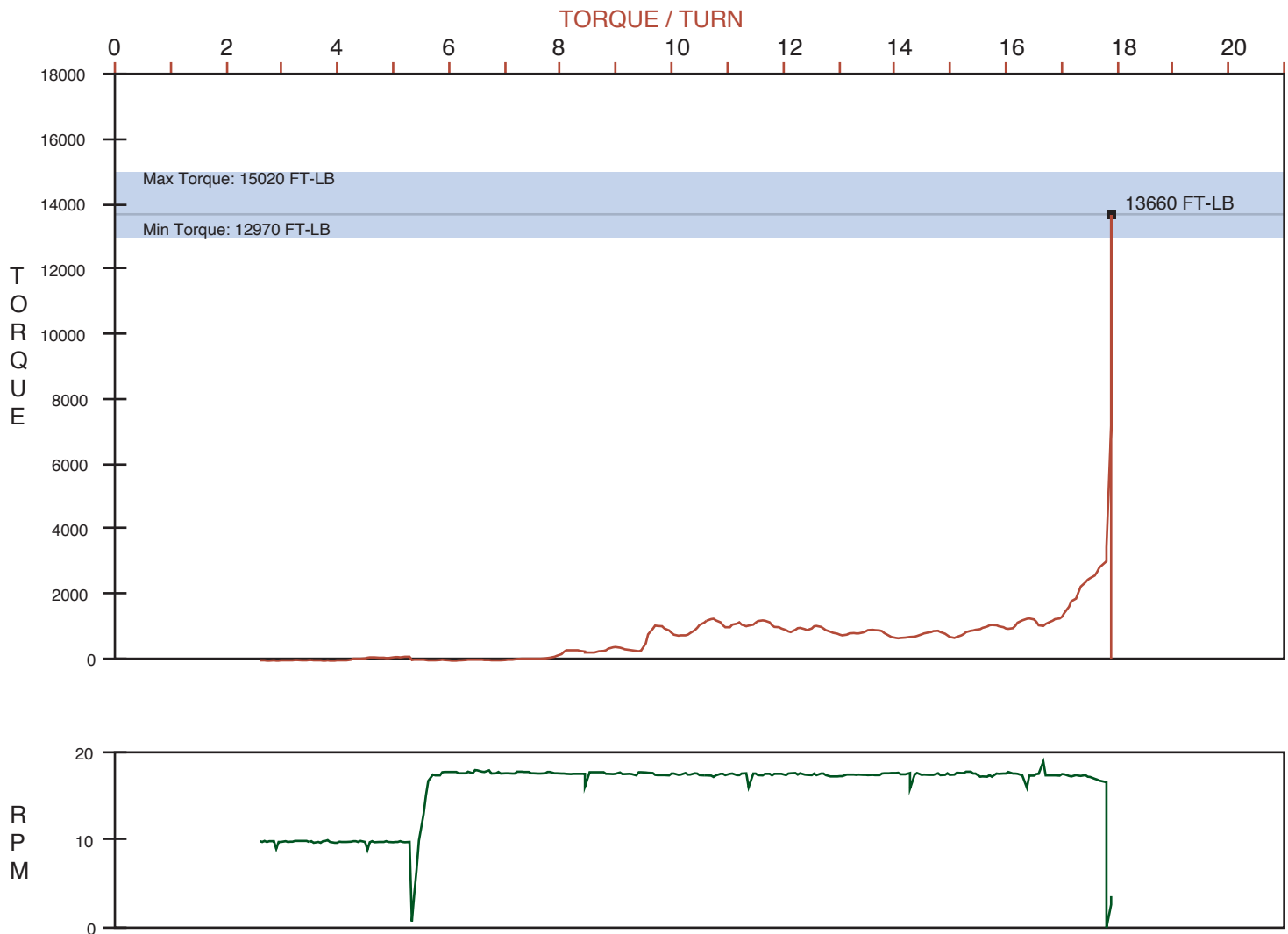


**Joint #: 54****Count #: 54**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 6:55:47 PM**

Heat/Lot#:

Pipe Length: **37.835 ft**Cumulative Length: **2086.388 ft**Cumulative Weight: **47543.369 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13660 FT-LB**Final Turns: **17.878**Max RPM: **19.350**Delta Torque: **3100 FT-LB**Delta Turns: **0.014**Notes: **joint 55**

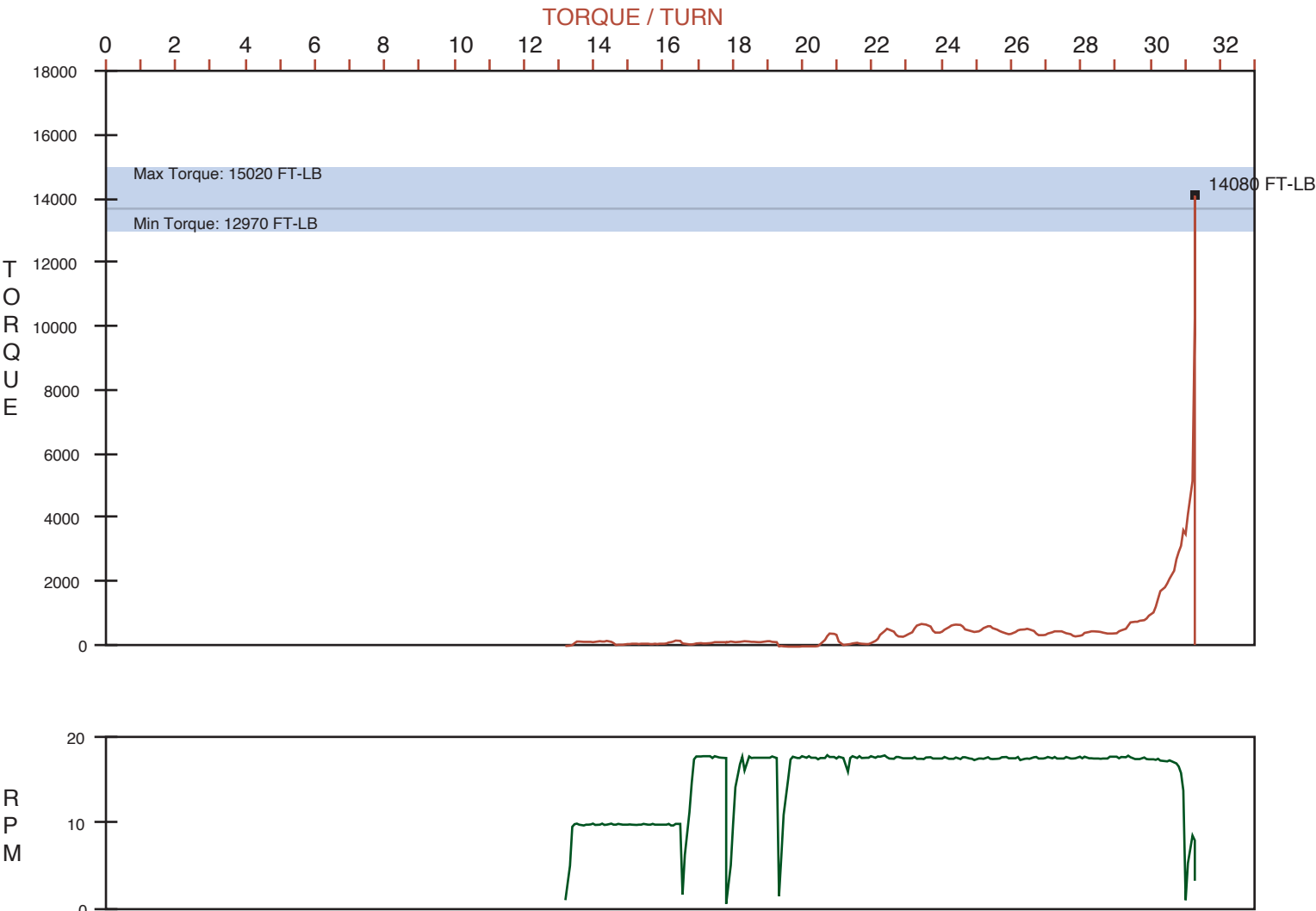
Joint #: 55

Count #: 55

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 7:06:42 PM	Heat/Lot#:	
Pipe Length:	37.835 ft		
Cumulative Length:	2124.223 ft		
Cumulative Weight:	48413.574 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14080 FT-LB
Final Turns:	31.277
Max RPM:	19.350
Delta Torque:	6380 FT-LB
Delta Turns:	0.105

Notes: joint 56



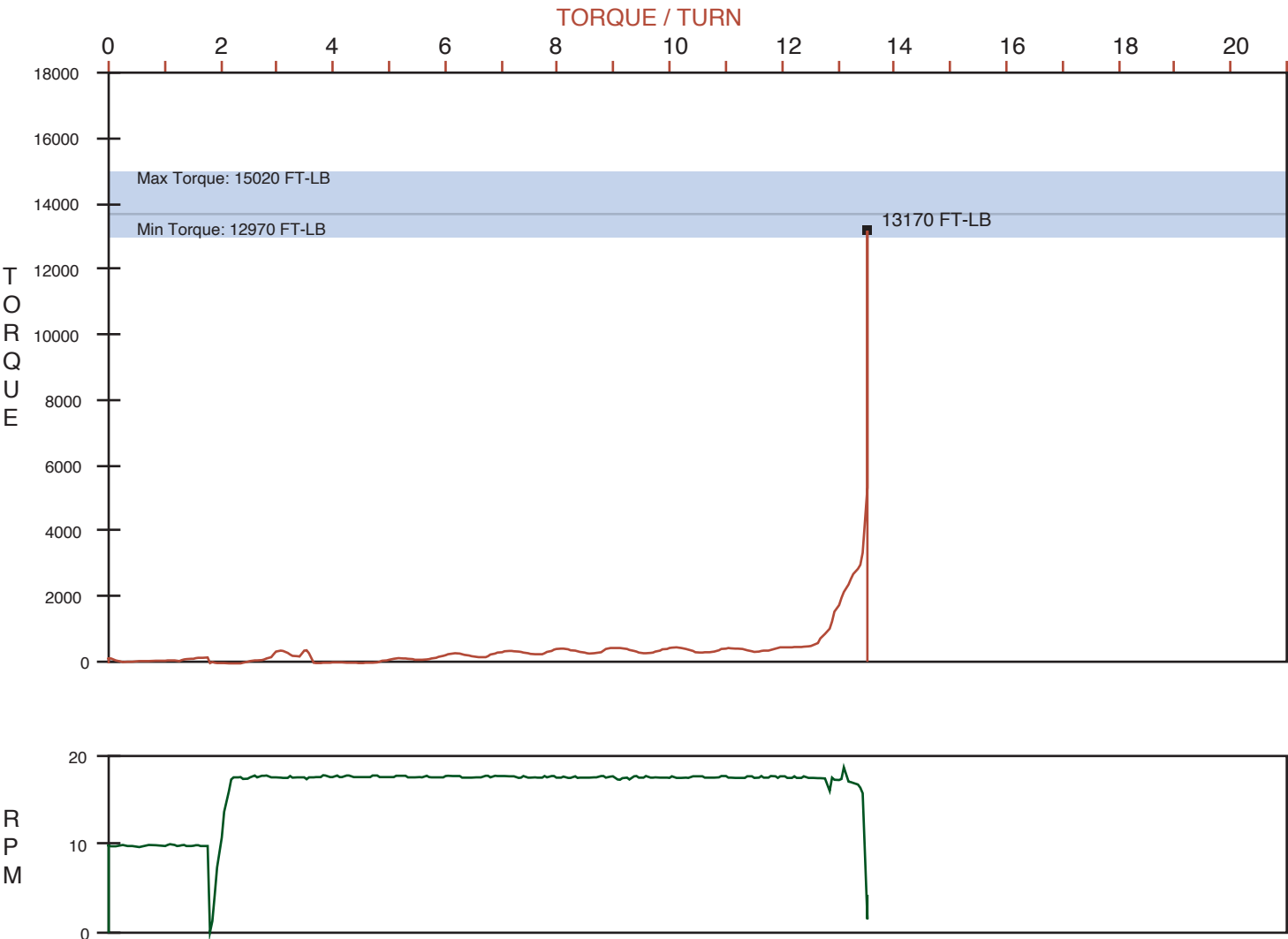
Joint #: 56

Count #: 56

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 7:10:52 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	2162.084 ft		
Cumulative Weight:	49284.377 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13170 FT-LB
Final Turns:	13.520
Max RPM:	18.720
Delta Torque:	3850 FT-LB
Delta Turns:	0.017

Notes: joint 57

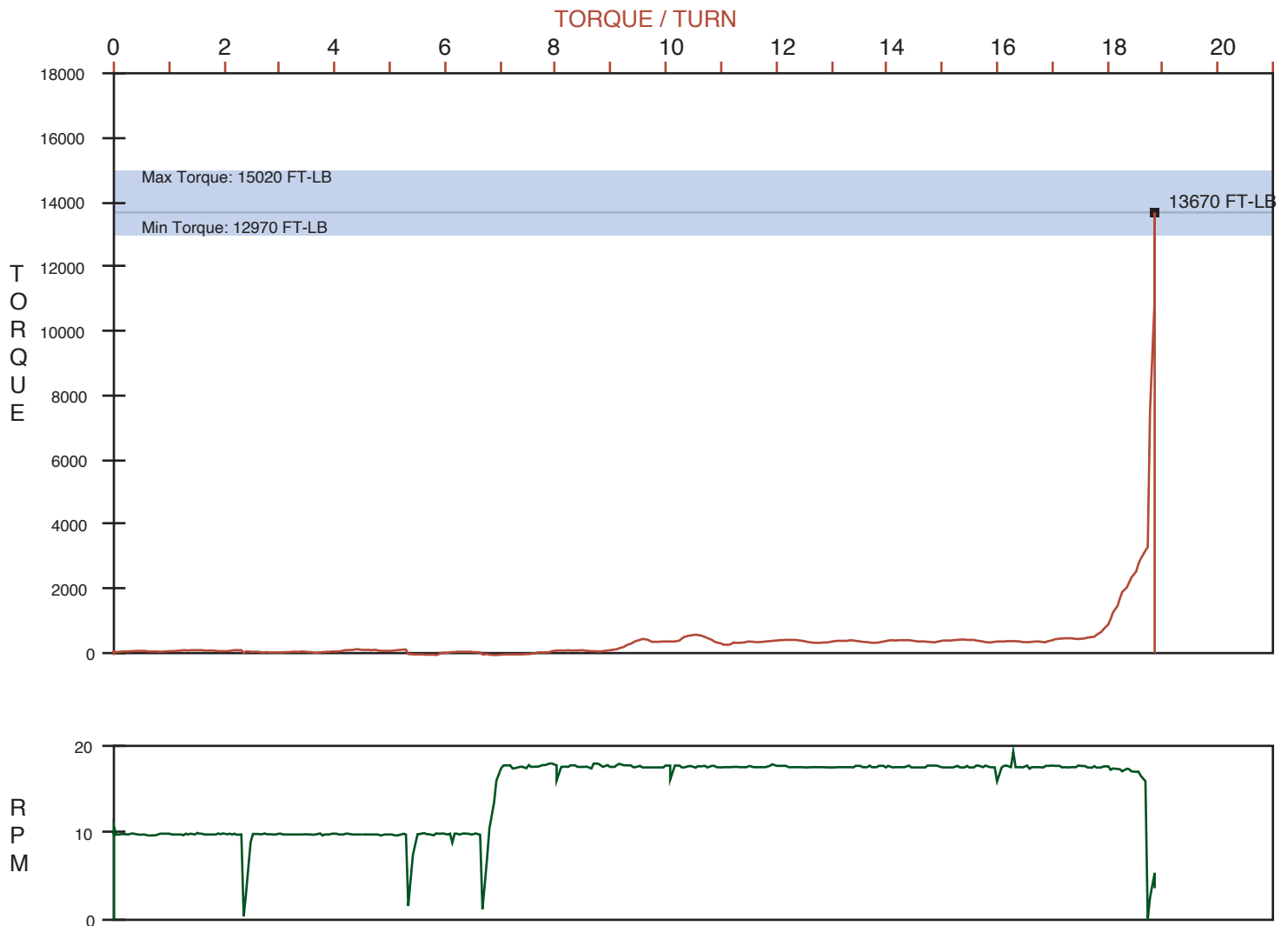


**Joint #: 57****Count #: 57**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 7:18:27 PM**

Heat/Lot#:

Pipe Length: **37.861 ft**Cumulative Length: **2199.945 ft**Cumulative Weight: **50155.180 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13670 FT-LB**Final Turns: **18.84**Max RPM: **19.320**Delta Torque: **7780 FT-LB**Delta Turns: **0.109**Notes: **joint 58**

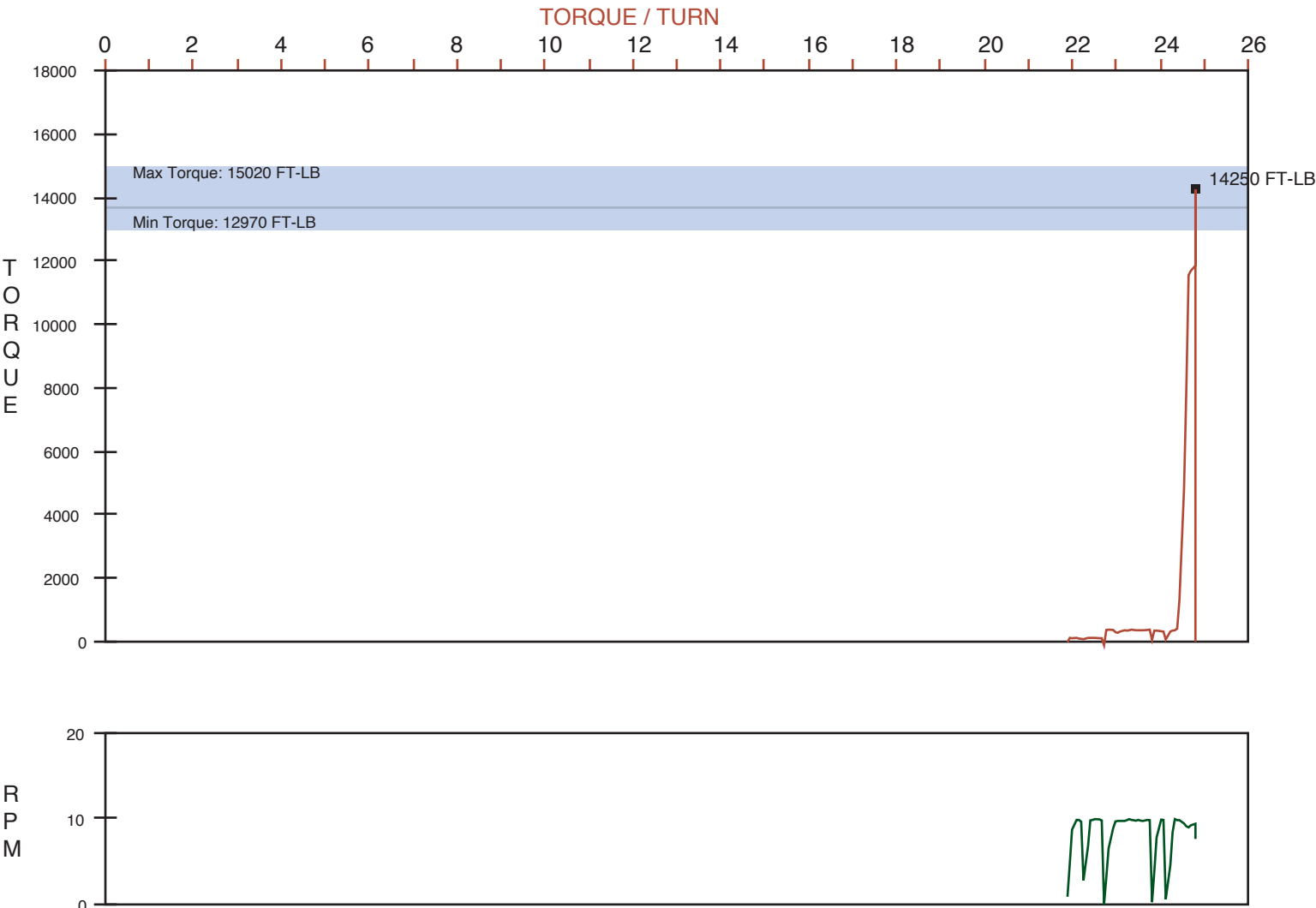
Joint #: 58

Count #: 58

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 7:31:21 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	2237.806 ft		
Cumulative Weight:	51025.983 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14250 FT-LB
Final Turns:	24.792
Max RPM:	18.75
Delta Torque:	1990 FT-LB
Delta Turns:	0.032

Notes: joint 59





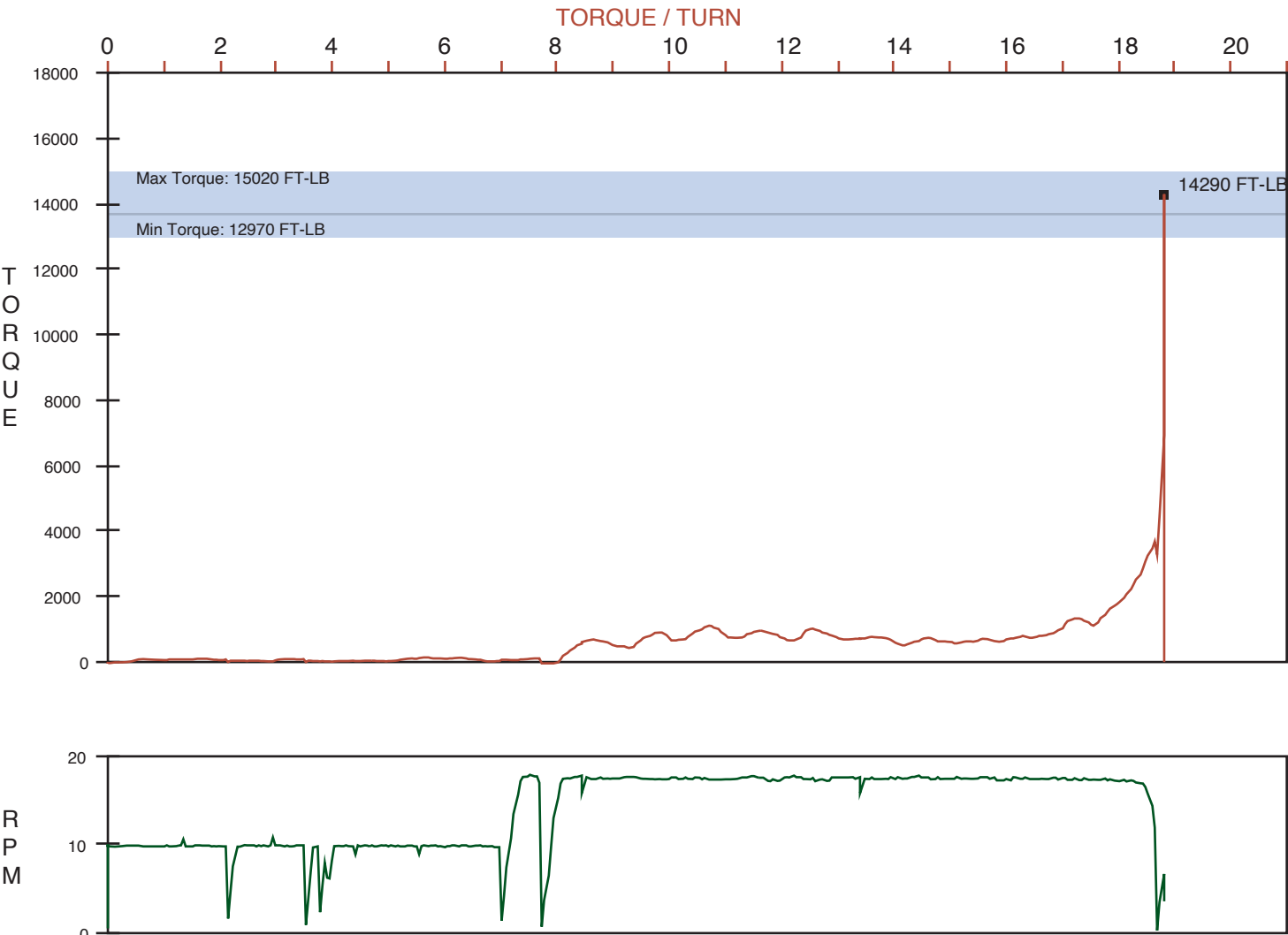
**Joint #: 59**

**Count #: 59**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 7:36:49 PM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	2275.683 ft		
Cumulative Weight:	51897.154 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14290 FT-LB
Final Turns:	18.801
Max RPM:	19.230
Delta Torque:	6210 FT-LB
Delta Turns:	0.034

Notes: joint 60

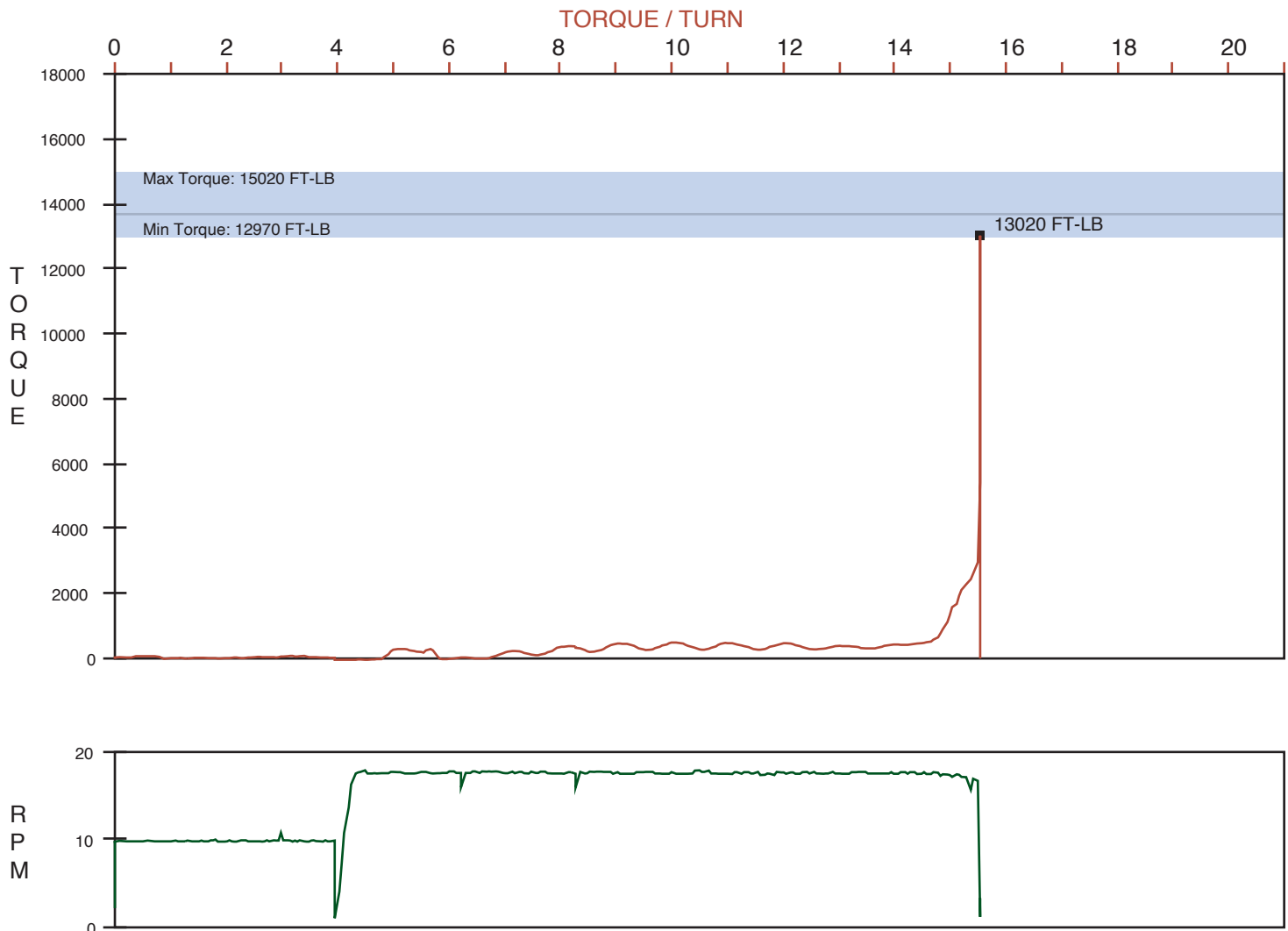


**Joint #: 60****Count #: 60**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 7:41:05 PM**

Heat/Lot#:

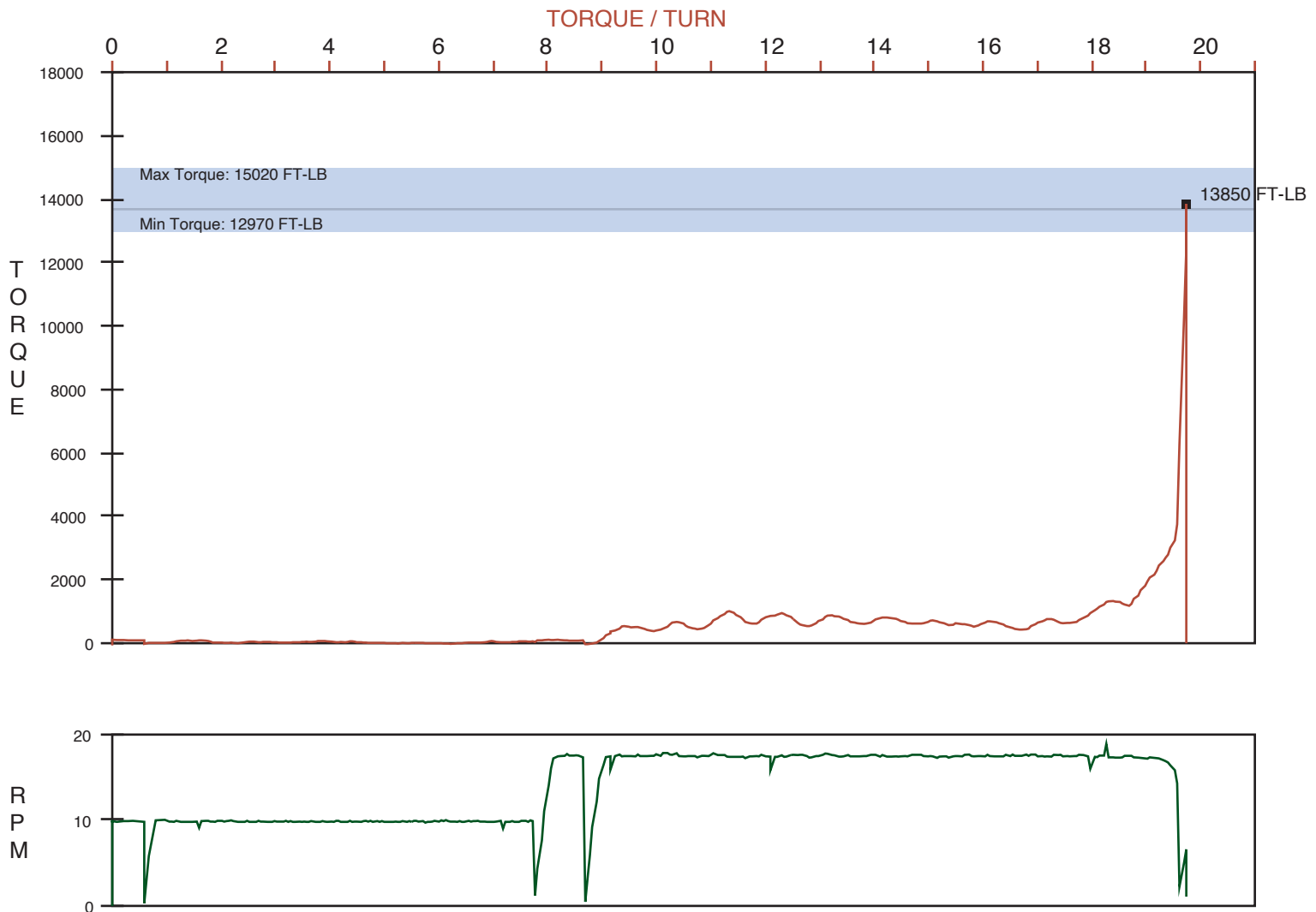
Pipe Length: **37.861 ft**Cumulative Length: **2313.544 ft**Cumulative Weight: **52767.957 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13020 FT-LB**Final Turns: **15.551**Max RPM: **19.5**Delta Torque: **8560 FT-LB**Delta Turns: **0.066**Notes: **joint 61**

**Joint #: 61****Count #: 61**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 7:45:47 PM**

Heat/Lot#:

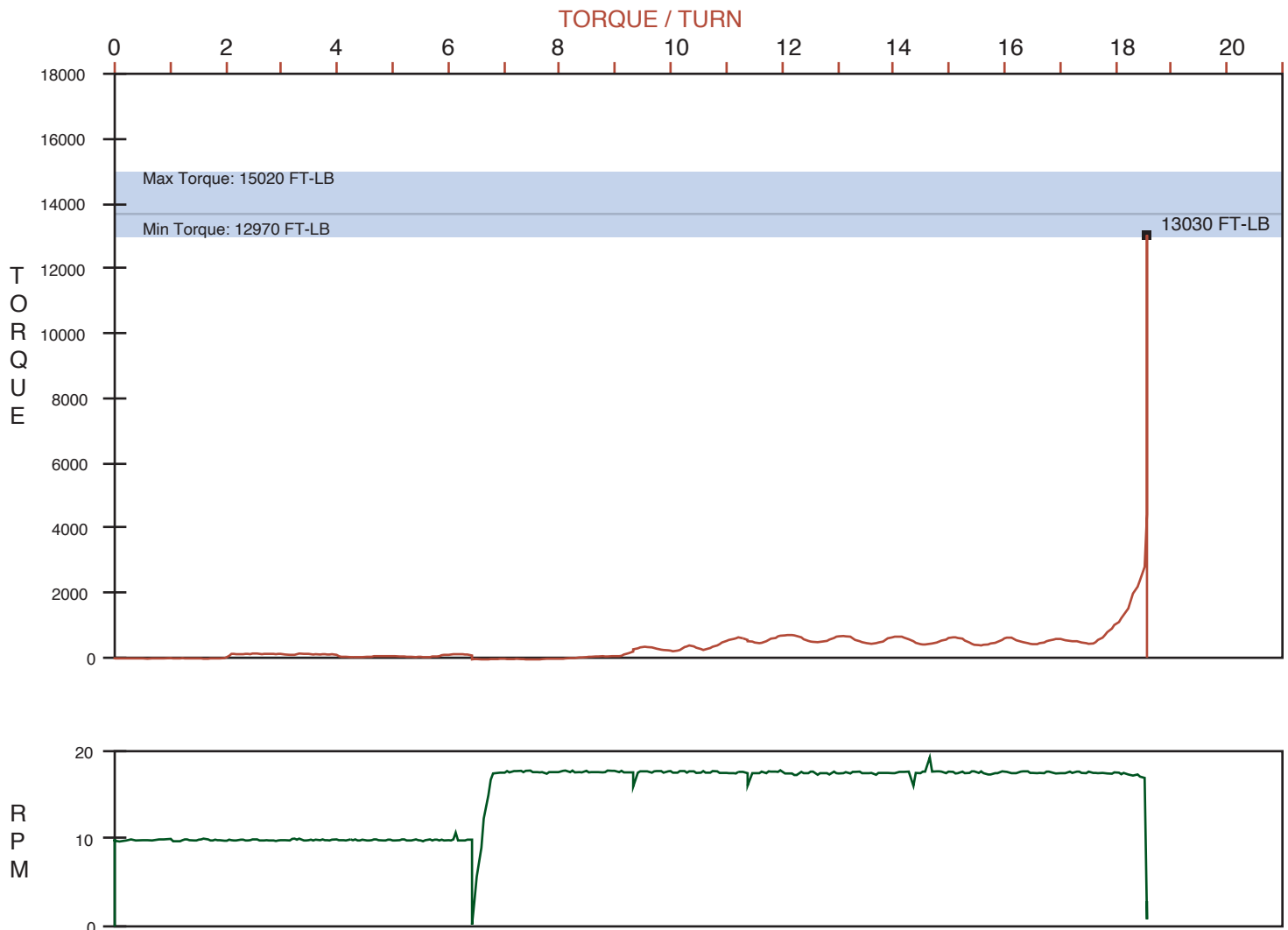
Pipe Length: **37.861 ft**Cumulative Length: **2351.405 ft**Cumulative Weight: **53638.760 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13850 FT-LB**Final Turns: **19.736**Max RPM: **19.170**Delta Torque: **7570 FT-LB**Delta Turns: **0.141**Notes: **joint 62**

**Joint #: 62****Count #: 62**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 7:50:20 PM**

Heat/Lot#:

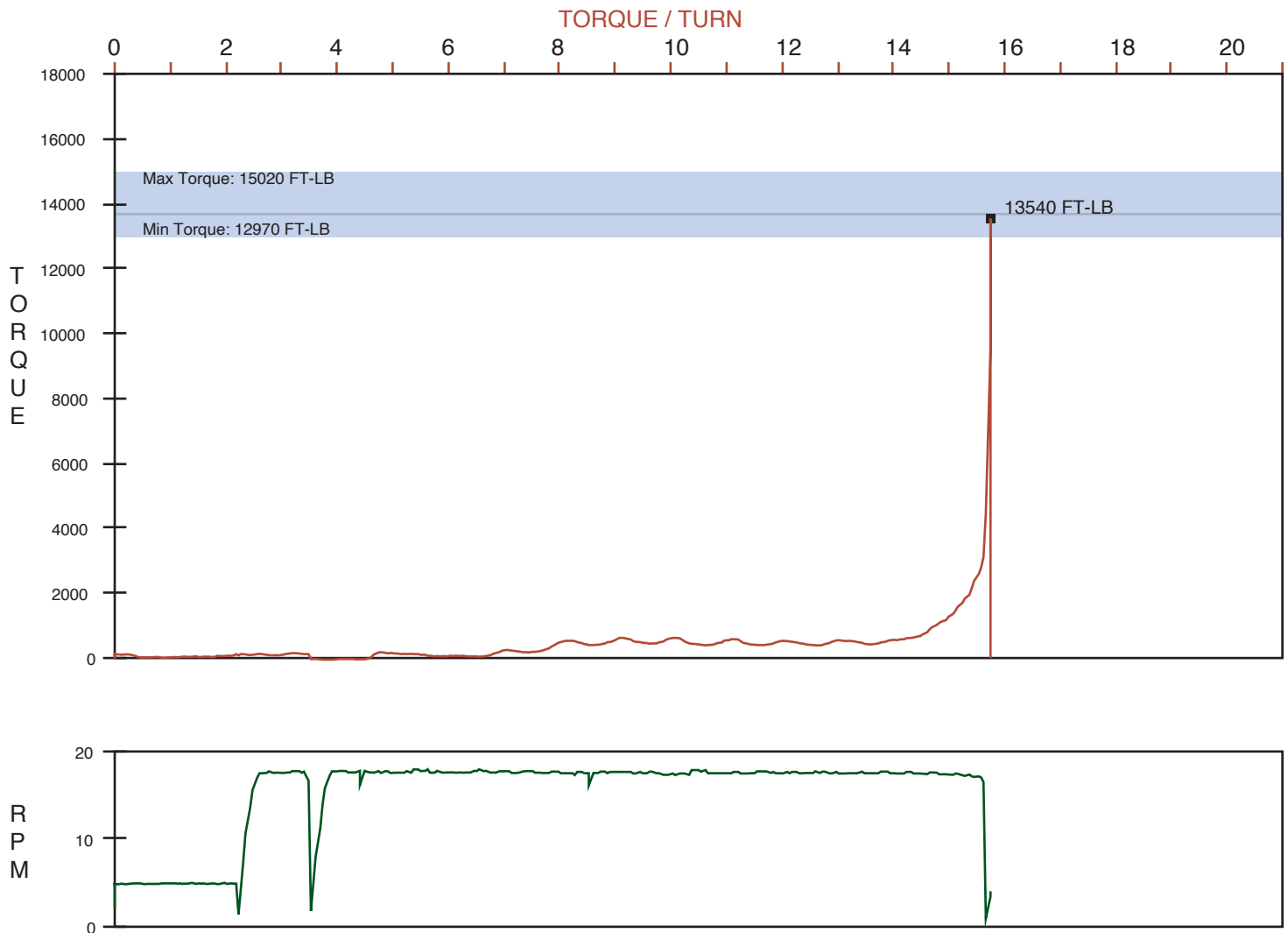
Pipe Length: **37.762 ft**Cumulative Length: **2389.167 ft**Cumulative Weight: **54507.286 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13030 FT-LB**Final Turns: **18.578**Max RPM: **19.290**Delta Torque: **4410 FT-LB**Delta Turns: **0.020**Notes: **joint 63**

**Joint #: 63****Count #: 63**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 7:54:42 PM**

Heat/Lot#:

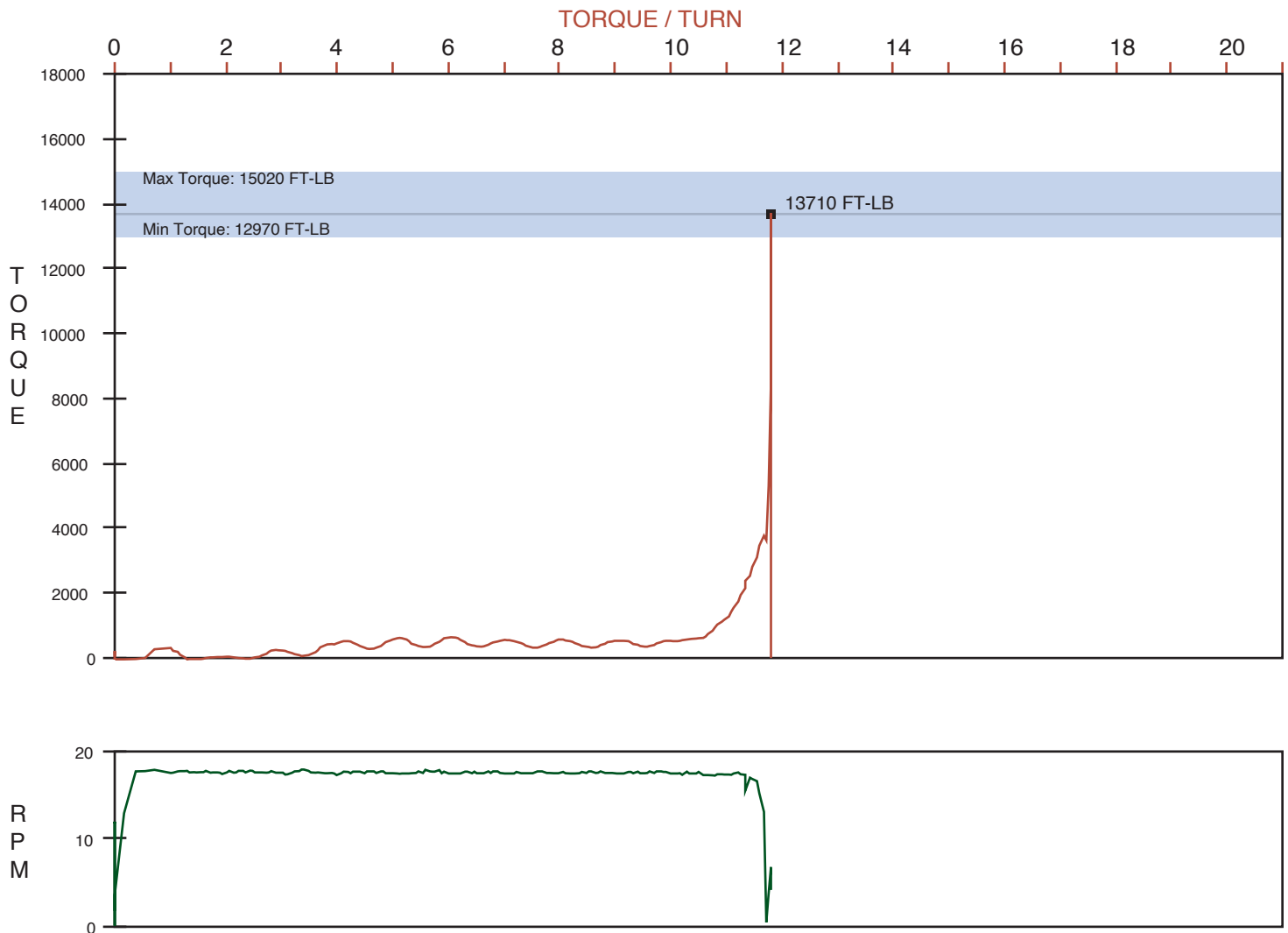
Pipe Length: **35.991 ft**Cumulative Length: **2425.158 ft**Cumulative Weight: **55335.079 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13540 FT-LB**Final Turns: **15.731**Max RPM: **19.170**Delta Torque: **8940 FT-LB**Delta Turns: **0.100**Notes: **joint 64**

**Joint #: 64****Count #: 64**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 7:58:46 PM**

Heat/Lot#:

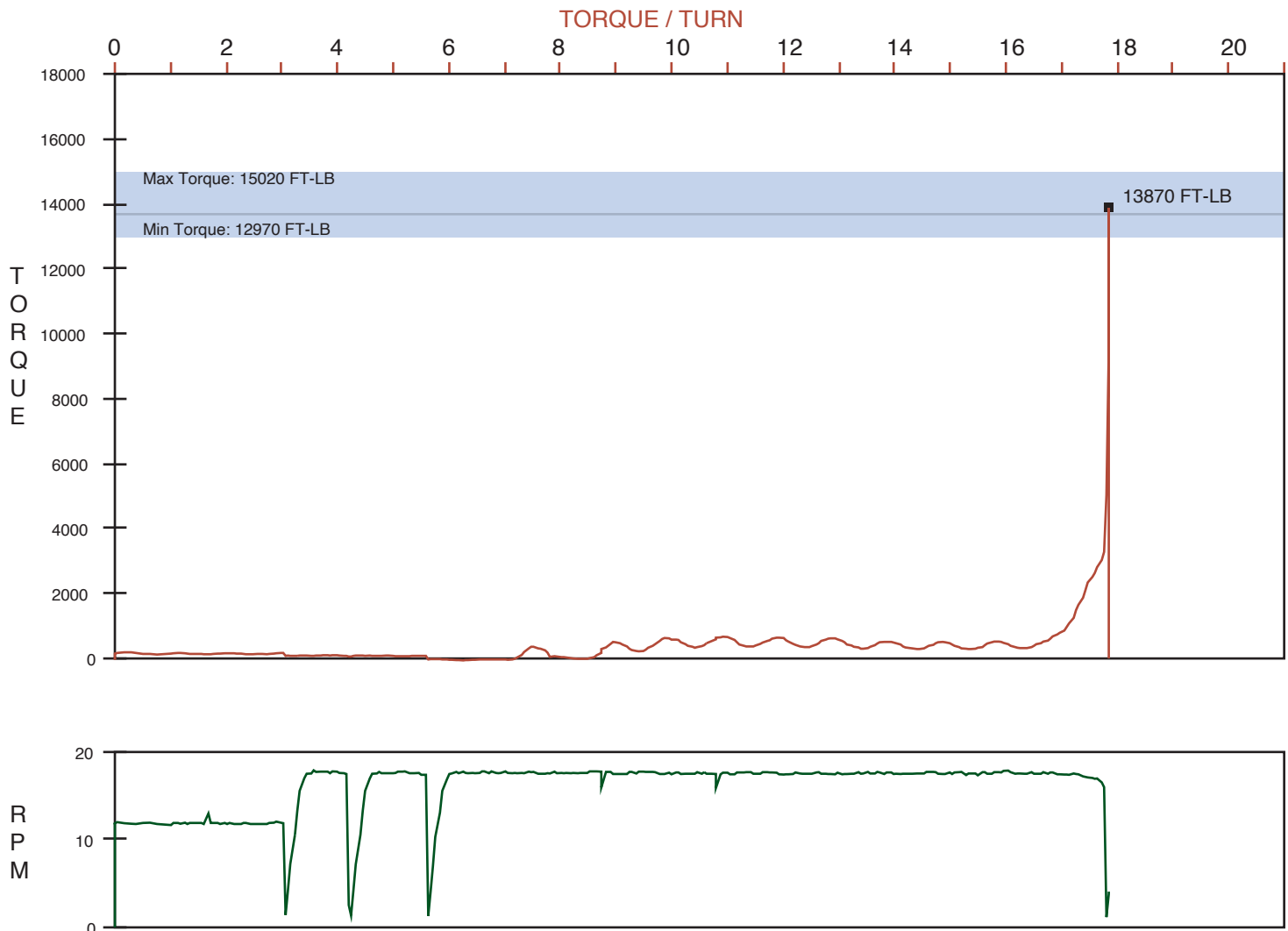
Pipe Length: **37.861 ft**Cumulative Length: **2463.019 ft**Cumulative Weight: **56205.882 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13710 FT-LB**Final Turns: **11.817**Max RPM: **17.970**Delta Torque: **2200 FT-LB**Delta Turns: **0.011**Notes: **joint 65**

**Joint #: 65****Count #: 65**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 8:03:10 PM**

Heat/Lot#:

Pipe Length: **37.615 ft**Cumulative Length: **2500.634 ft**Cumulative Weight: **57071.027 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13870 FT-LB**Final Turns: **17.866**Max RPM: **19.230**Delta Torque: **5910 FT-LB**Delta Turns: **0.055**Notes: **joint 66**

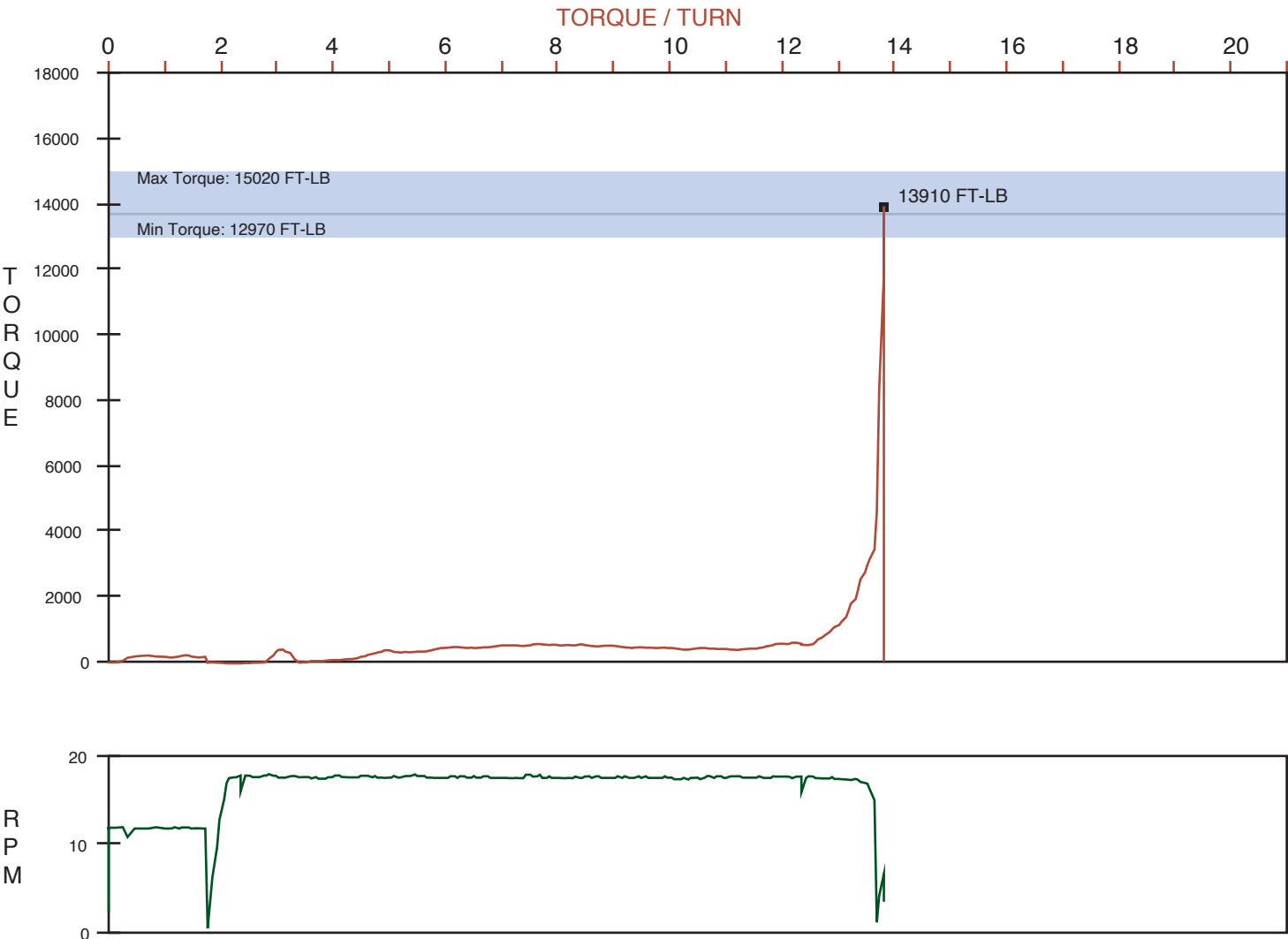
Joint #: 66

Count #: 66

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 8:06:55 PM	Heat/Lot#:	
Pipe Length:	37.864 ft		
Cumulative Length:	2538.498 ft		
Cumulative Weight:	57941.899 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13910 FT-LB
Final Turns:	13.804
Max RPM:	19.380
Delta Torque:	4180 FT-LB
Delta Turns:	0.080

Notes: joint 67





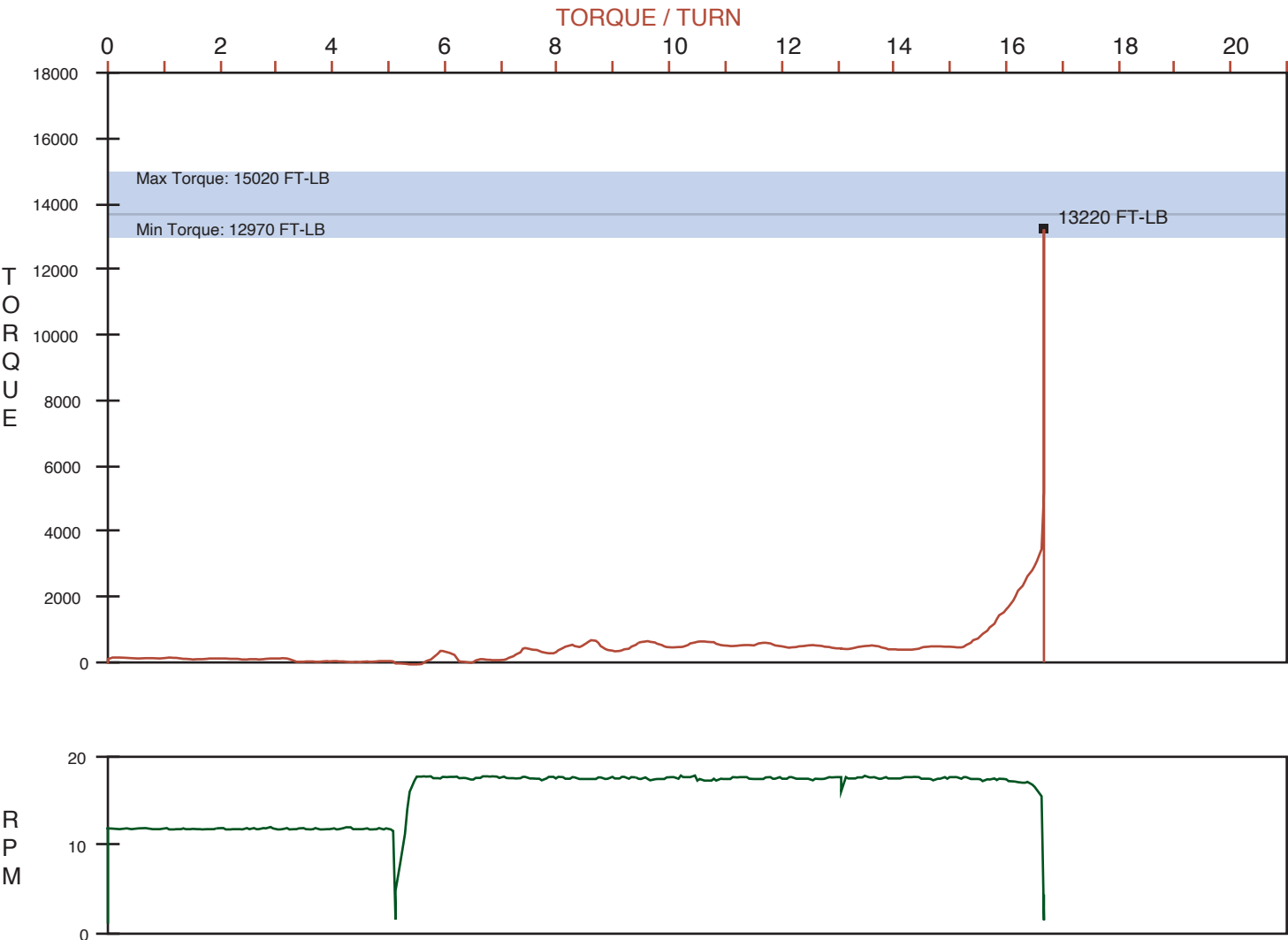
Joint #: 67

Count #: 67

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 8:10:47 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	2576.359 ft		
Cumulative Weight:	58812.702 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13220 FT-LB
Final Turns:	16.678
Max RPM:	19.290
Delta Torque:	4520 FT-LB
Delta Turns:	0.018

Notes: joint 68



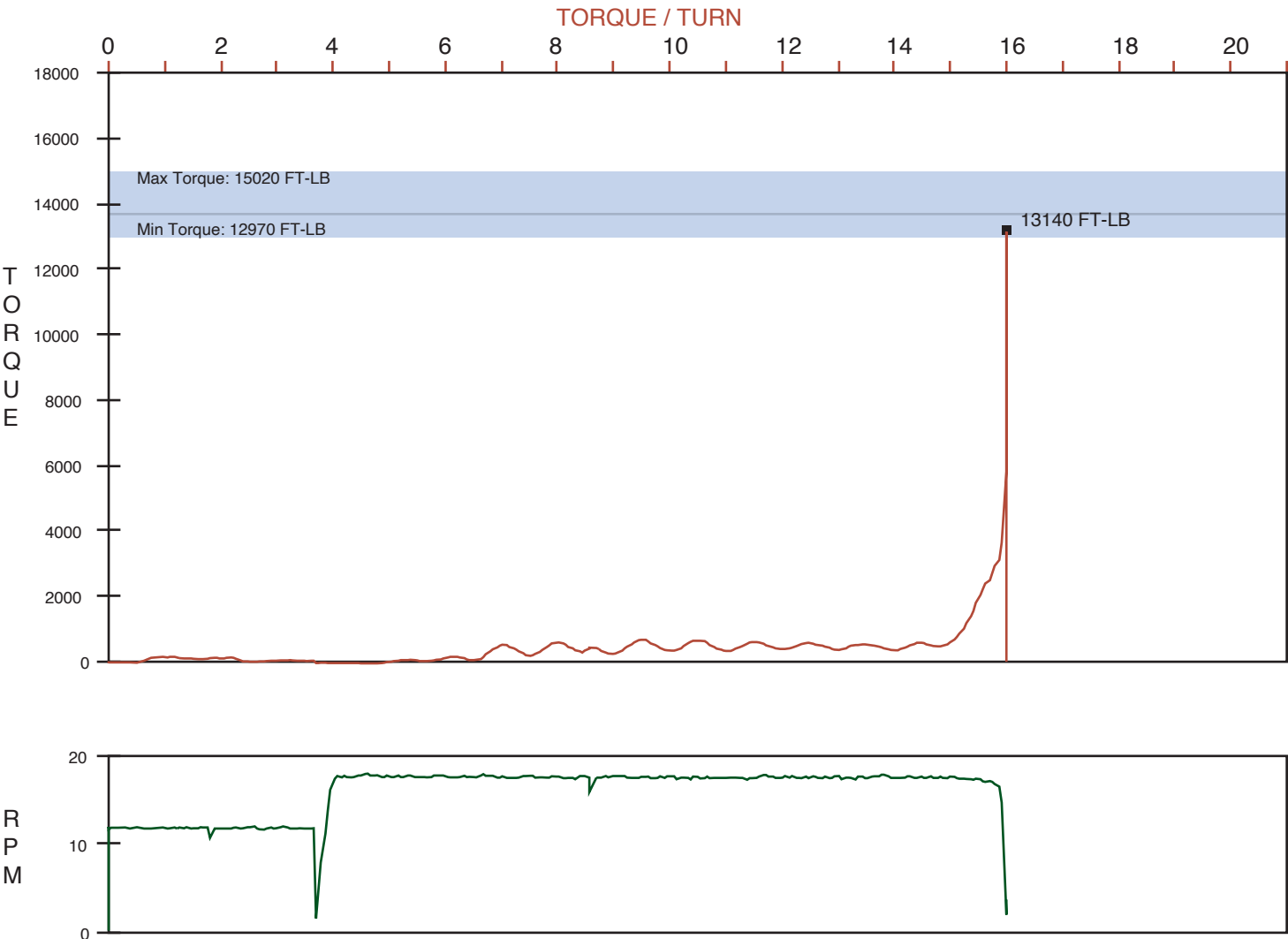
Joint #: 68

Count #: 68

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 8:14:38 PM	Heat/Lot#:	
Pipe Length:	37.831 ft		
Cumulative Length:	2614.190 ft		
Cumulative Weight:	59682.815 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13140 FT-LB
Final Turns:	15.986
Max RPM:	19.350
Delta Torque:	3170 FT-LB
Delta Turns:	0.016

Notes: joint 69

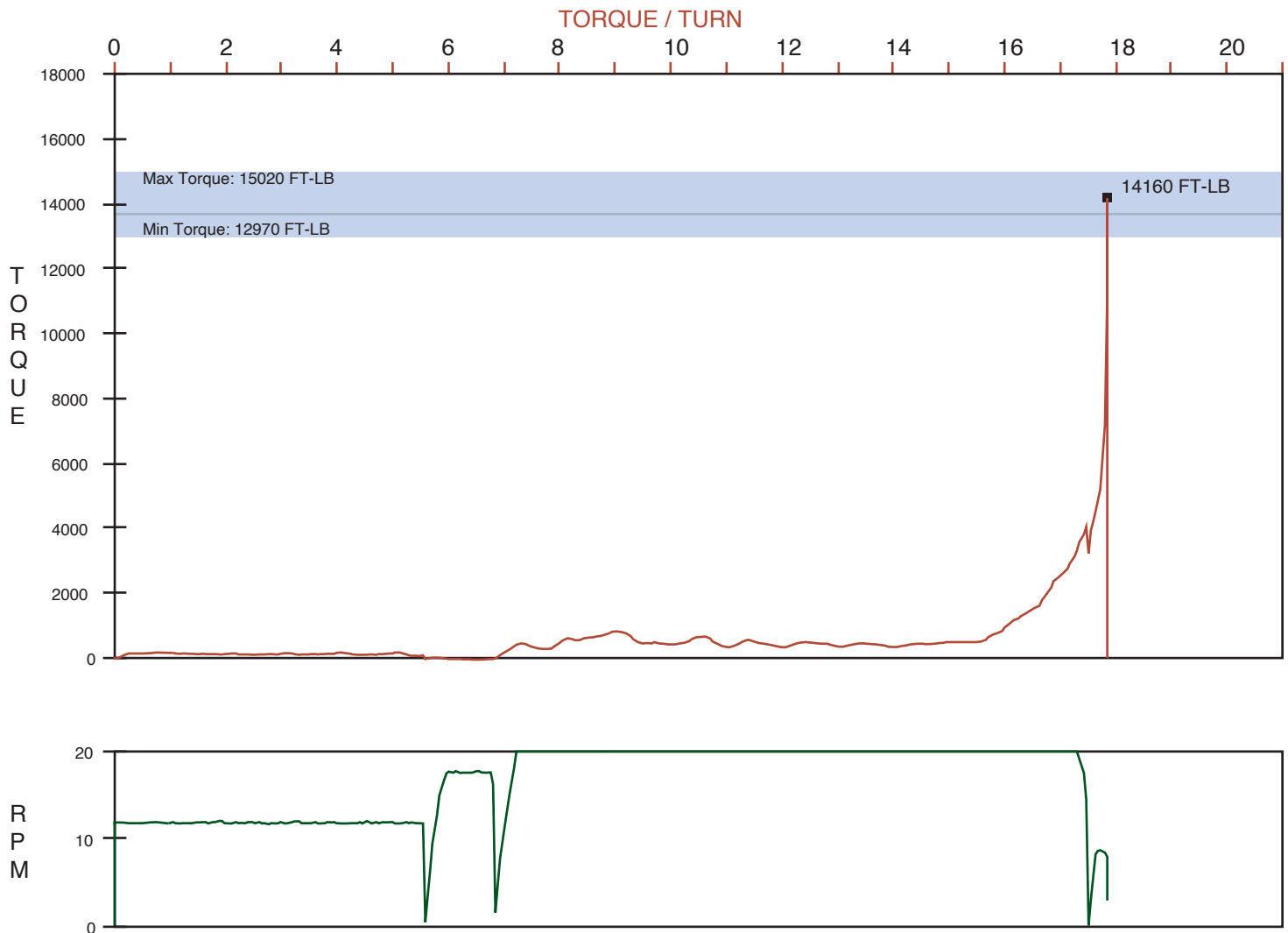


**Joint #: 69****Count #: 69**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 8:18:45 PM**

Heat/Lot#:

Pipe Length: **37.621 ft**Cumulative Length: **2651.811 ft**Cumulative Weight: **60548.098 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14160 FT-LB**Final Turns: **17.850**Max RPM: **22.890**Delta Torque: **6980 FT-LB**Delta Turns: **0.099**Notes: **joint 70**

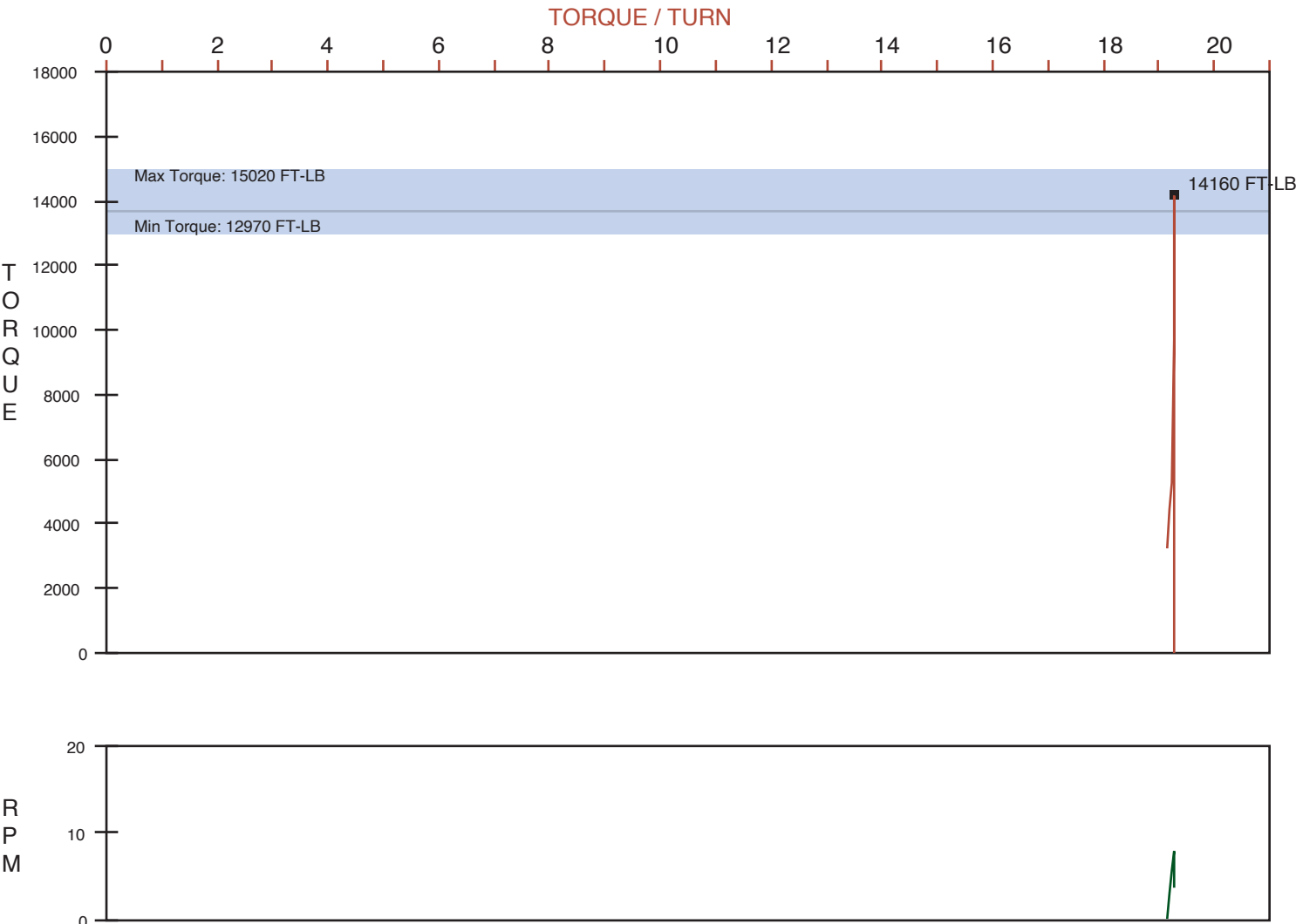
Joint #: 70

Count #: 70

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 8:26:28 PM	Heat/Lot#:	
Pipe Length:	37.831 ft		
Cumulative Length:	2689.642 ft		
Cumulative Weight:	61418.211 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14160 FT-LB
Final Turns:	19.289
Max RPM:	24.690
Delta Torque:	2280 FT-LB
Delta Turns:	0.015

Notes: joint 71



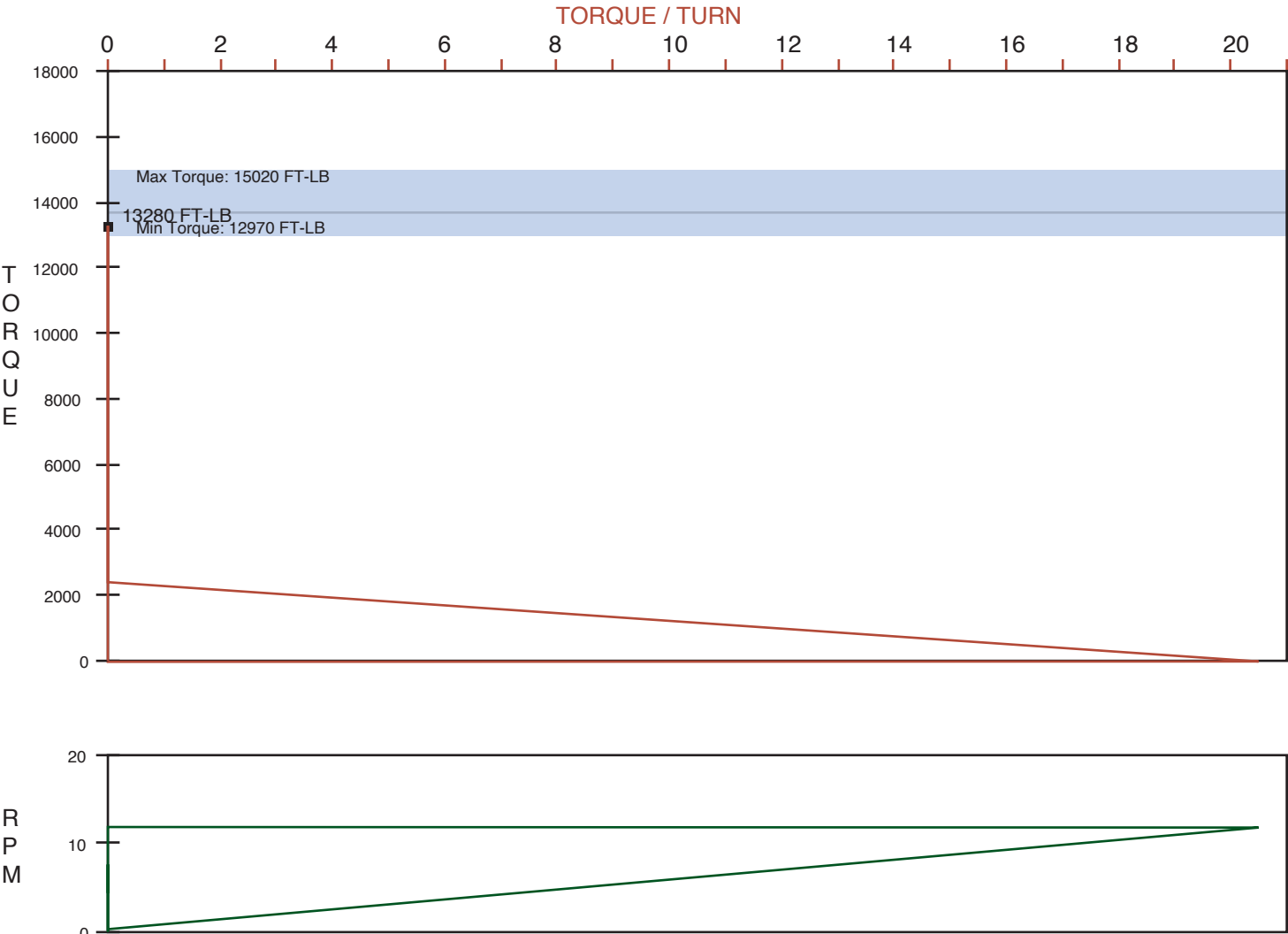
Joint #: 71

Count #: 71

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 8:50:25 PM	Heat/Lot#:	
Pipe Length:	37.680 ft		
Cumulative Length:	2727.322 ft		
Cumulative Weight:	62284.851 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13280 FT-LB
Final Turns:	-0.139
Max RPM:	24.660
Delta Torque:	0 FT-LB
Delta Turns:	0

Notes: joint 72



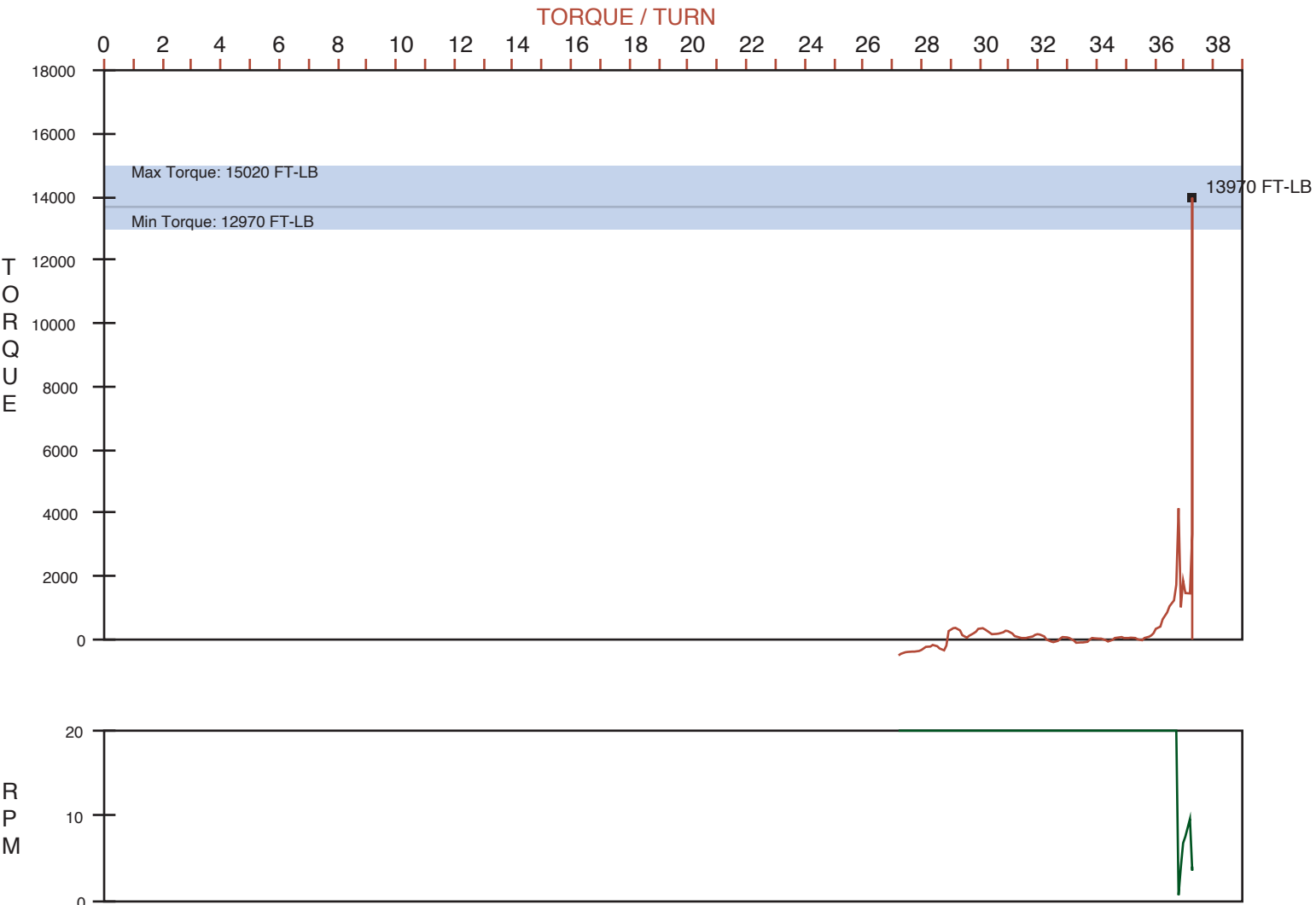
Joint #: 72

Count #: 72

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 9:47:51 PM	Heat/Lot#:	
Pipe Length:	36.434 ft		
Cumulative Length:	2763.756 ft		
Cumulative Weight:	63122.833 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13970 FT-LB
Final Turns:	37.258
Max RPM:	24.630
Delta Torque:	4010 FT-LB
Delta Turns:	0.008

Notes: joint 73



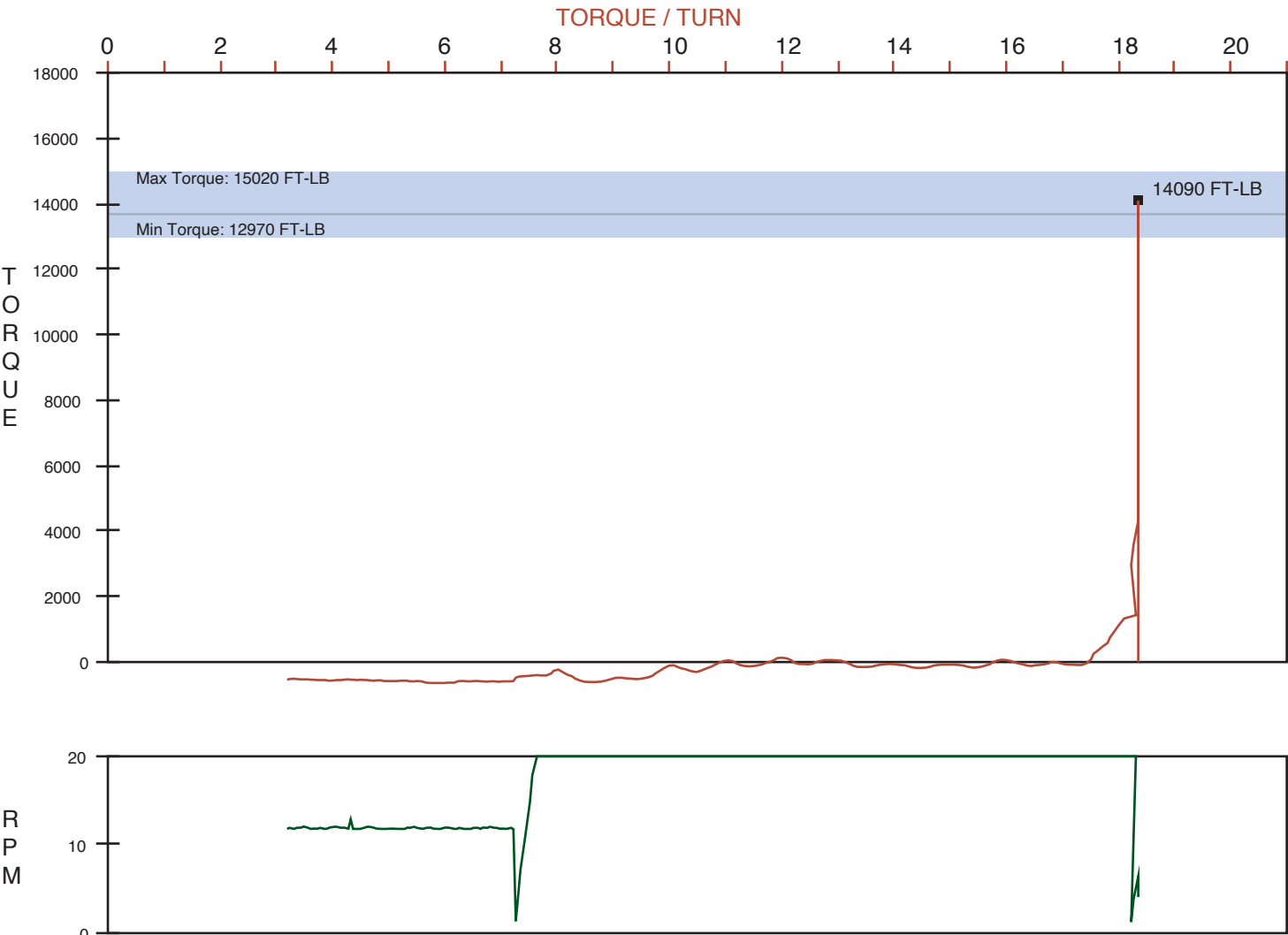
Joint #: 73

Count #: 73

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 9:53:17 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	2801.617 ft		
Cumulative Weight:	63993.636 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14090 FT-LB
Final Turns:	18.344
Max RPM:	22.980
Delta Torque:	4010 FT-LB
Delta Turns:	0.006

Notes: joint 74



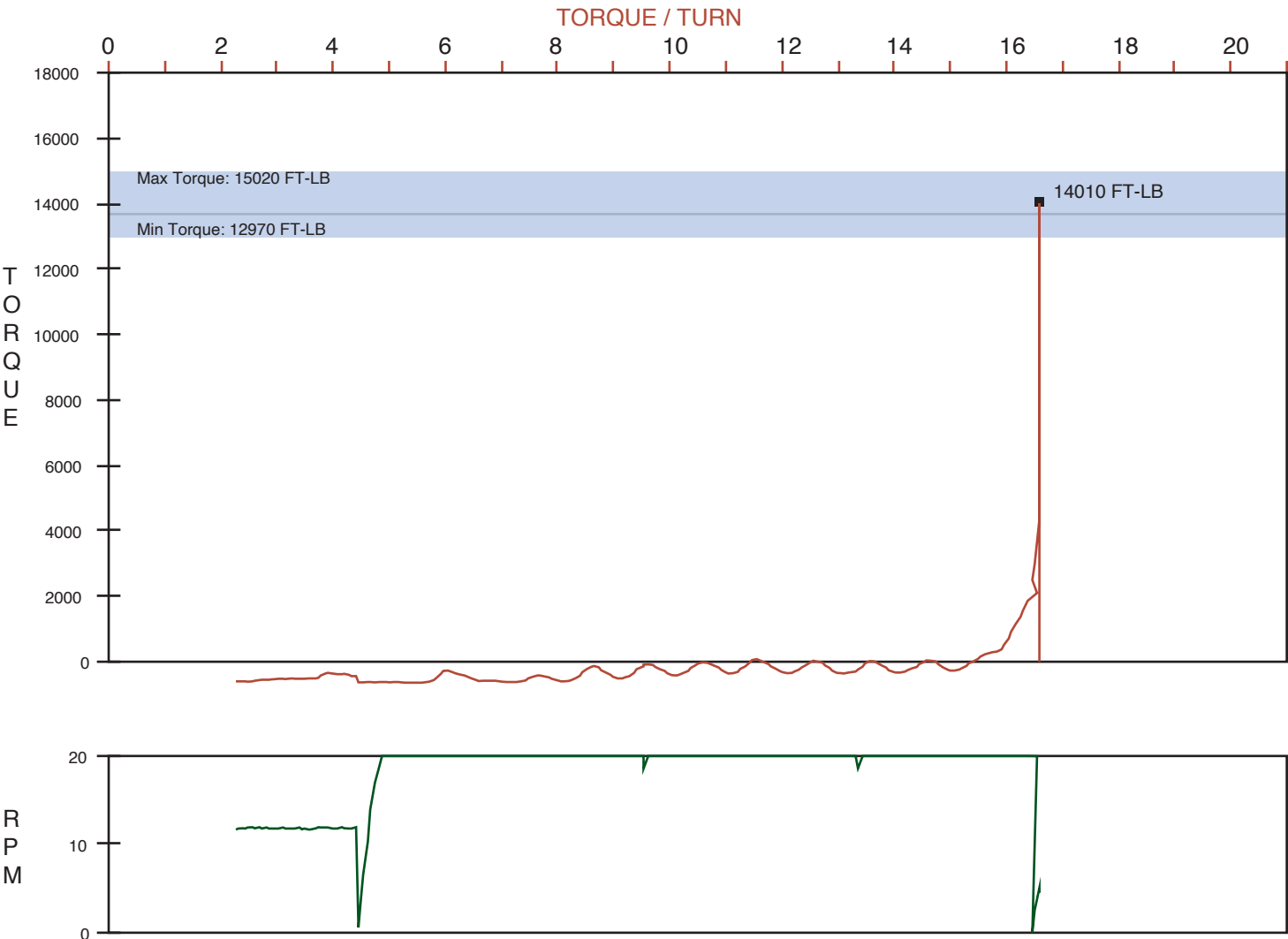
Joint #: 74

Count #: 74

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 9:58:31 PM	Heat/Lot#:	
Pipe Length:	37.867 ft		
Cumulative Length:	2839.484 ft		
Cumulative Weight:	64864.577 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14010 FT-LB
Final Turns:	16.581
Max RPM:	22.530
Delta Torque:	0 FT-LB
Delta Turns:	0

Notes: joint 75





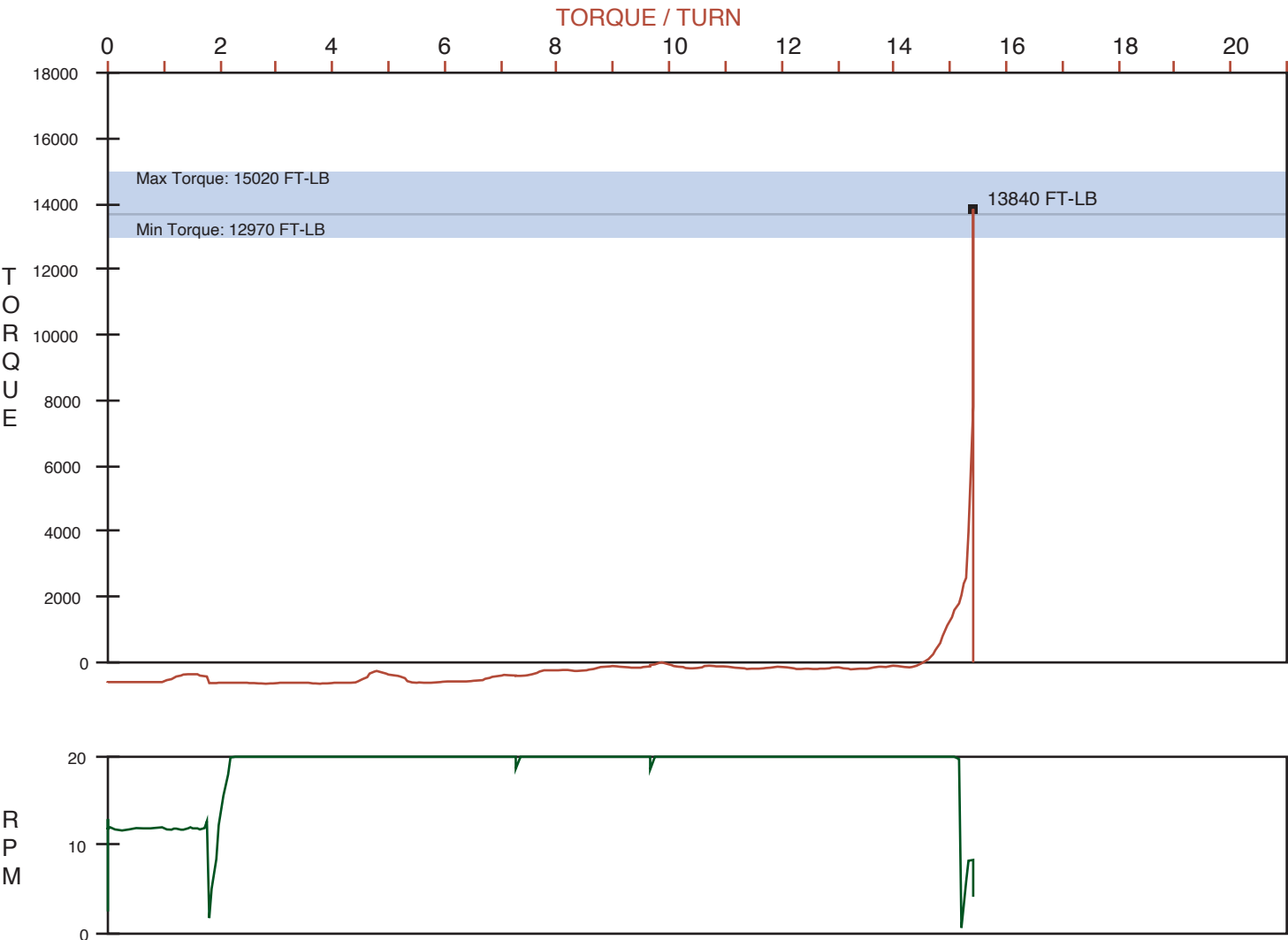
Joint #: 75

Count #: 75

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:02:21 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	2877.345 ft		
Cumulative Weight:	65735.380 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13840 FT-LB
Final Turns:	15.396
Max RPM:	22.350
Delta Torque:	4730 FT-LB
Delta Turns:	0.032

Notes: joint 76



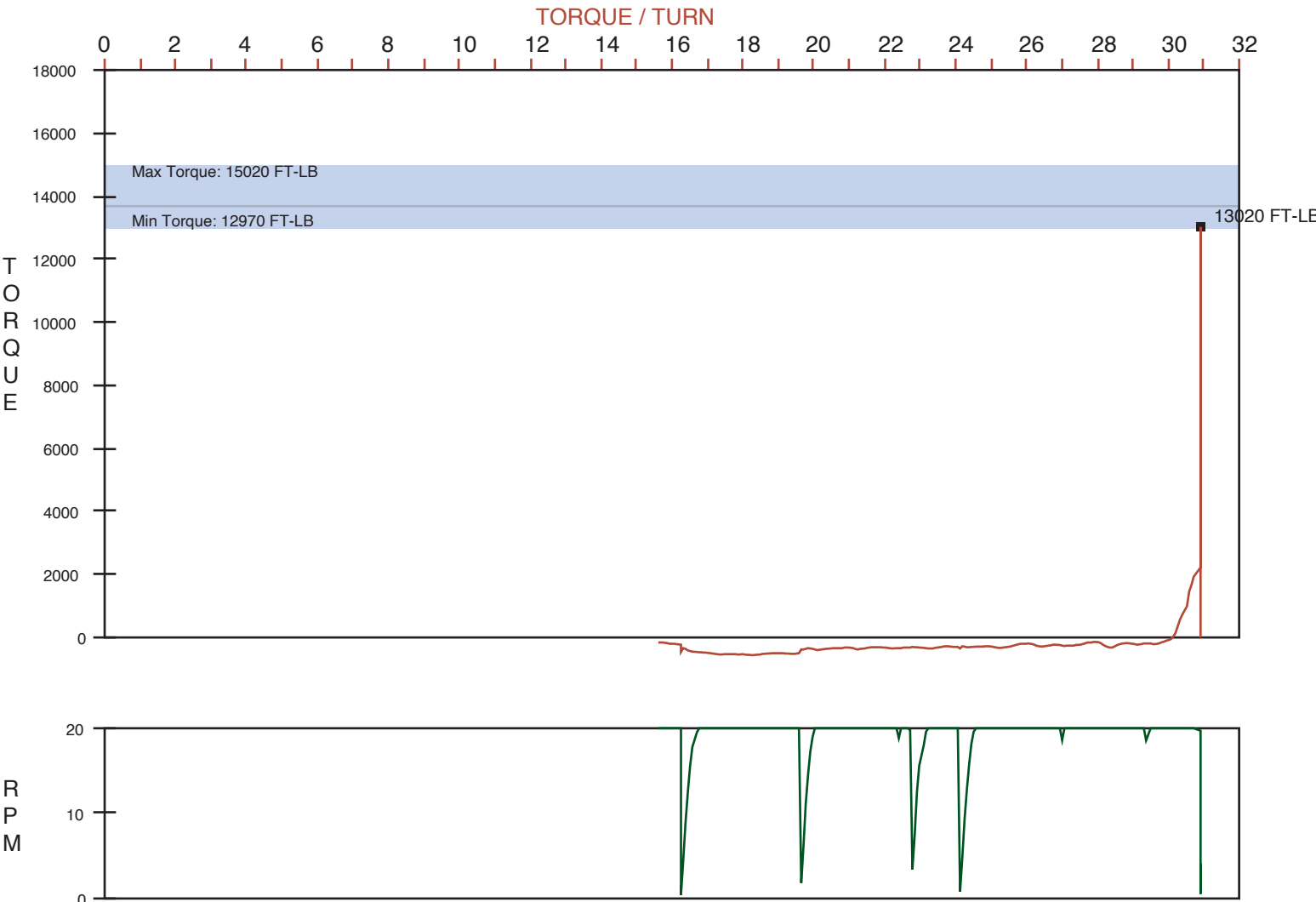
Joint #: 76

Count #: 76

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:08:55 PM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	2915.173 ft		
Cumulative Weight:	66605.424 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13020 FT-LB
Final Turns:	30.910
Max RPM:	22.590
Delta Torque:	0 FT-LB
Delta Turns:	0

Notes: joint 77



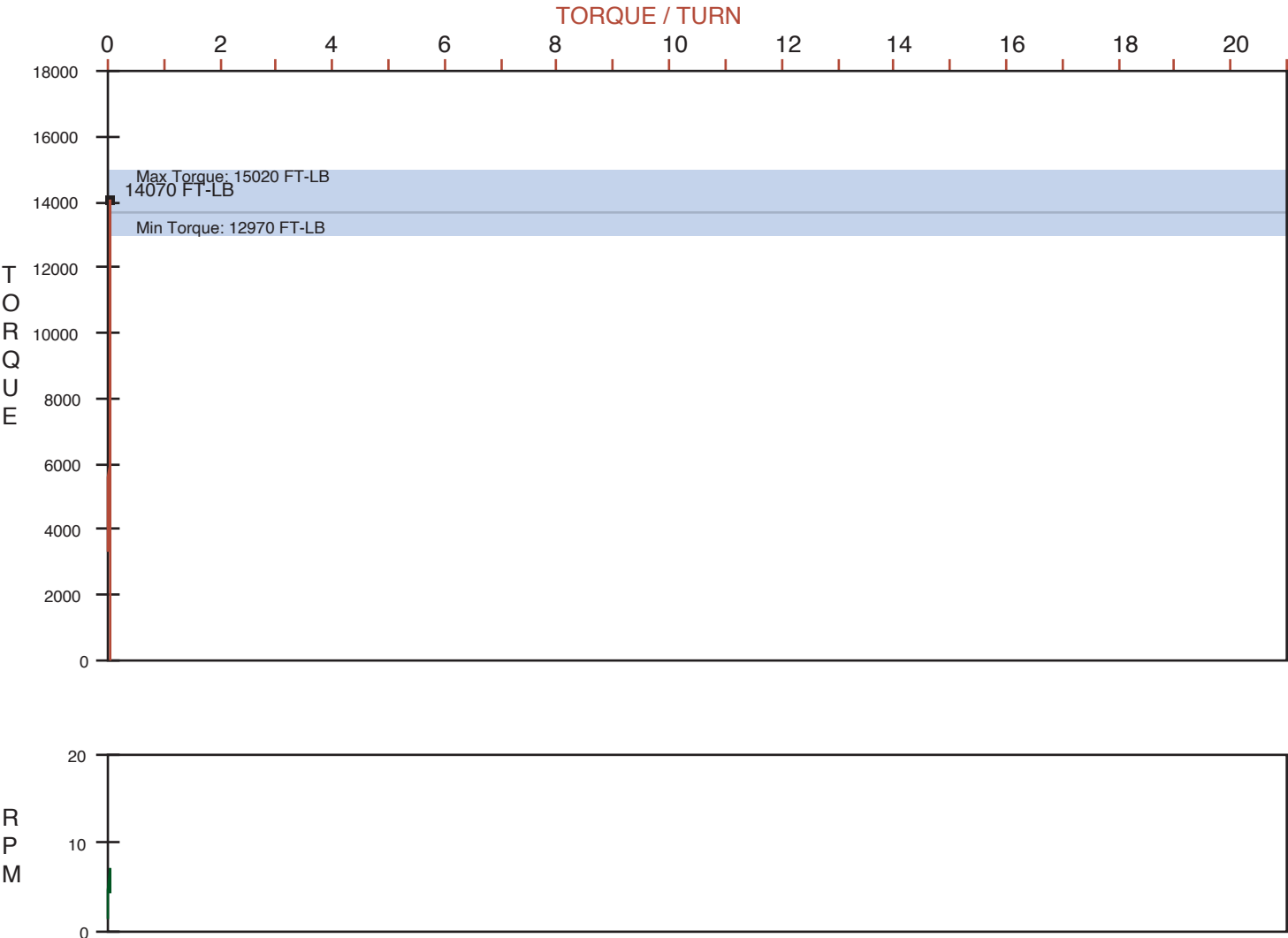
Joint #: 77

Count #: 77

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:10:33 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	2953.034 ft		
Cumulative Weight:	67476.227 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14070 FT-LB
Final Turns:	0.032
Max RPM:	7.980
Delta Torque:	6010 FT-LB
Delta Turns:	0.008

Notes: joint 78



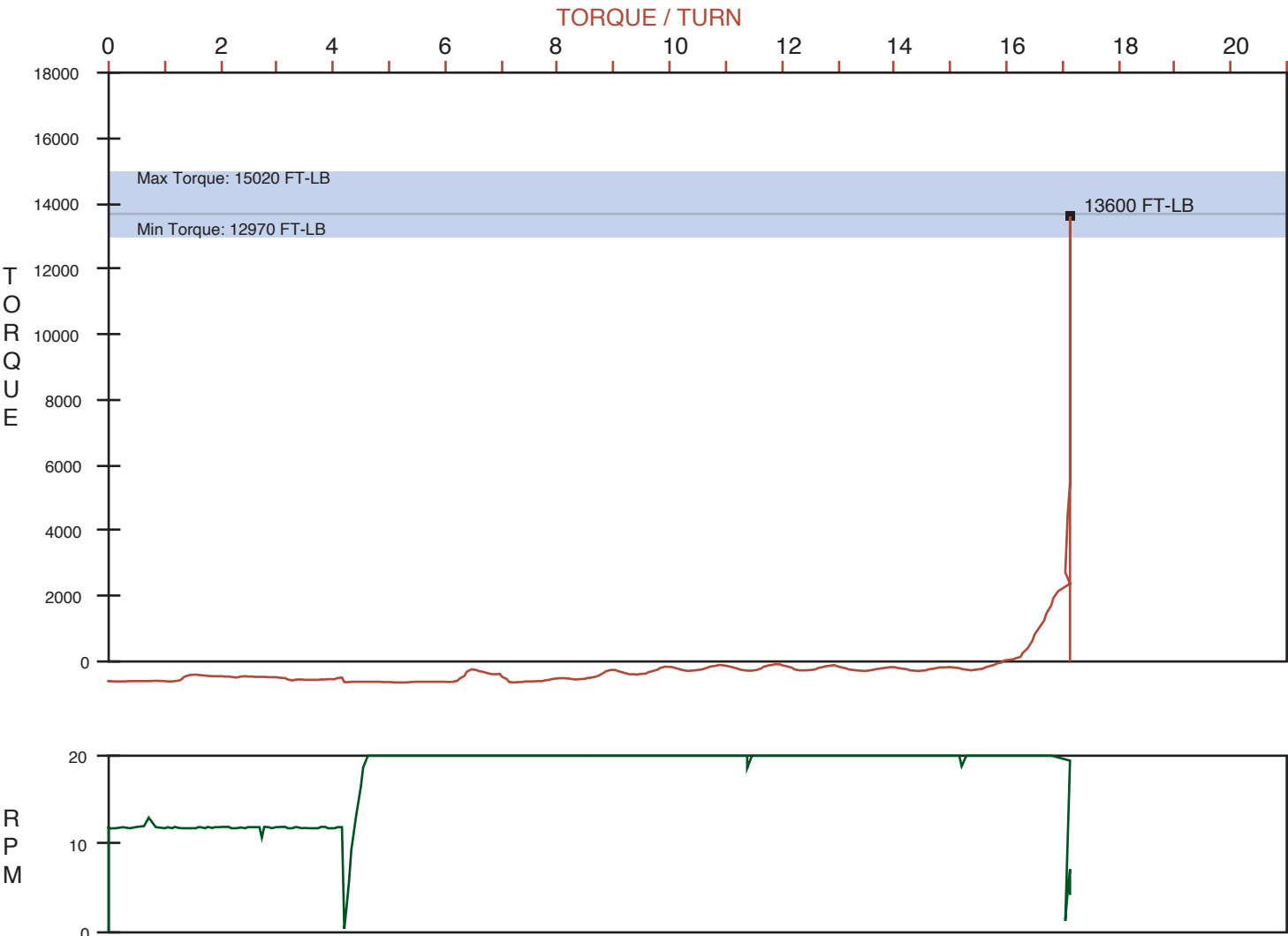
Joint #: 78

Count #: 78

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:16:48 PM	Heat/Lot#:	
Pipe Length:	34.711 ft		
Cumulative Length:	2987.745 ft		
Cumulative Weight:	68274.580 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13600 FT-LB
Final Turns:	17.148
Max RPM:	22.740
Delta Torque:	0 FT-LB
Delta Turns:	0

Notes: joint 79



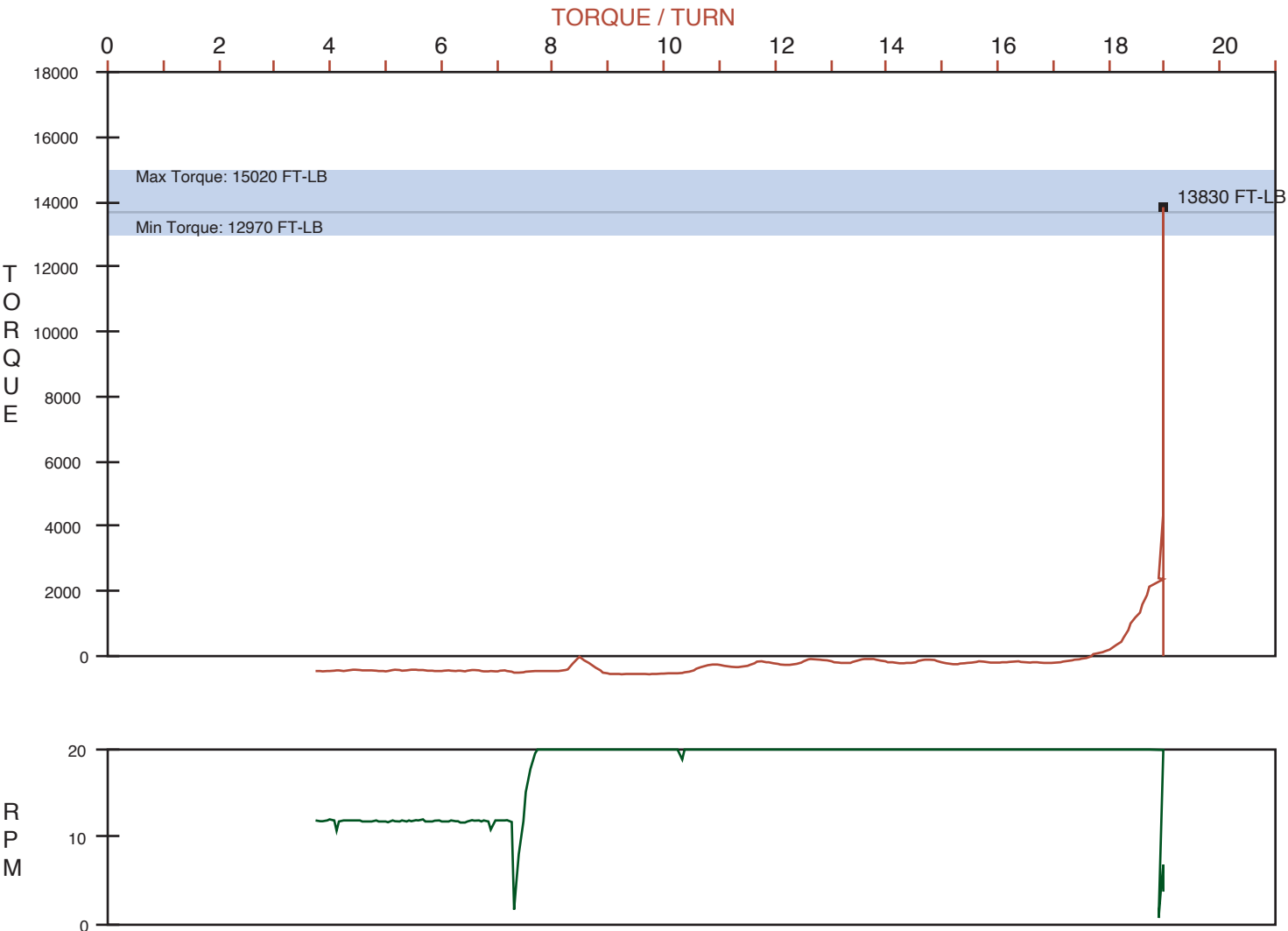
Joint #: 79

Count #: 79

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:22:28 PM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	3025.589 ft		
Cumulative Weight:	69144.992 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13830 FT-LB
Final Turns:	18.996
Max RPM:	22.590
Delta Torque:	840 FT-LB
Delta Turns:	0

Notes: joint 80



**Joint #: 80****Count #: 80**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:27:03 PM	Heat/Lot#:	
Pipe Length:	37.818 ft		
Cumulative Length:	3063.407 ft		
Cumulative Weight:	70014.806 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 13330 FT-LB

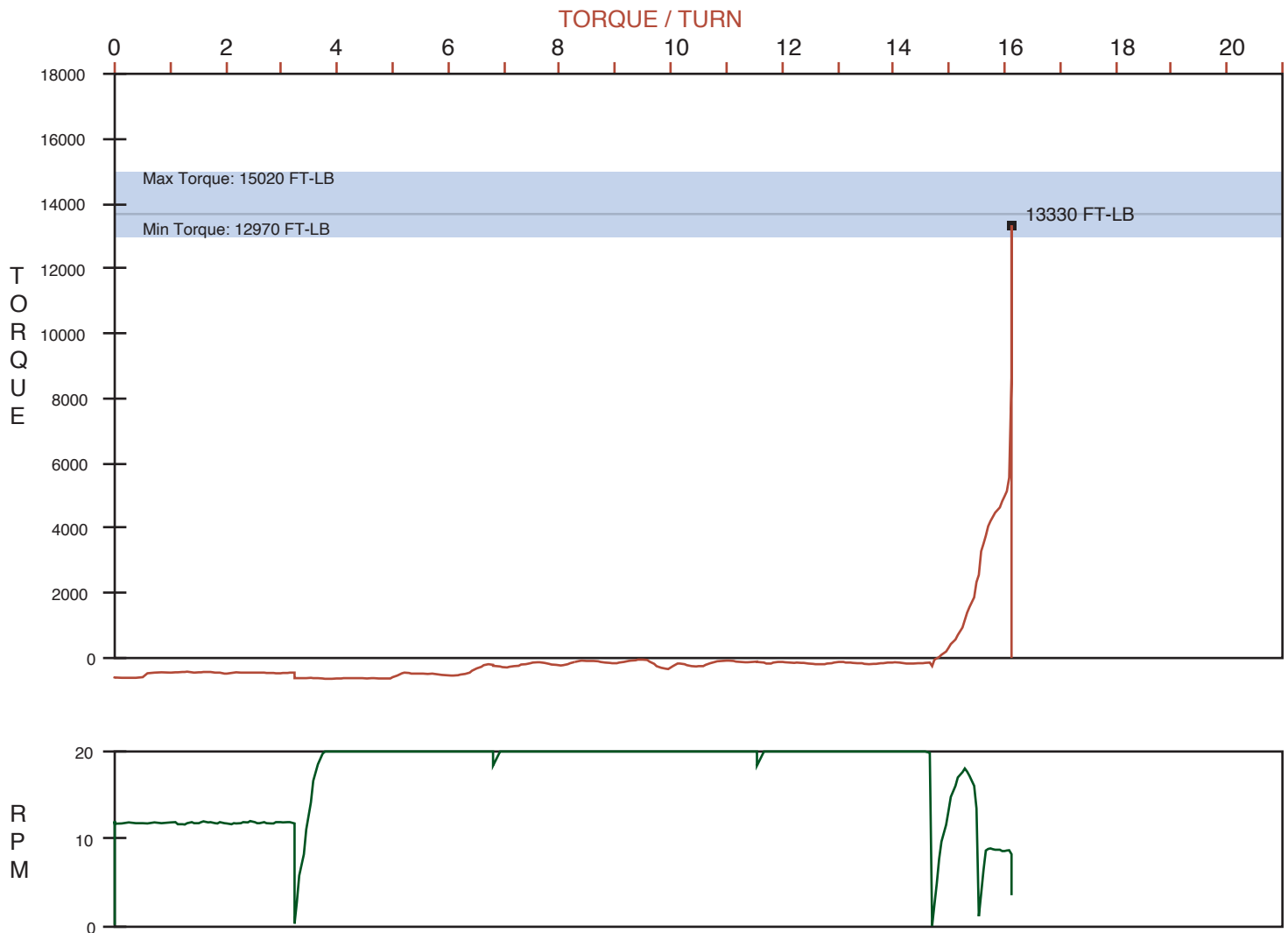
Final Turns: 16.144

Max RPM: 22.350

Delta Torque: 2040 FT-LB

Delta Turns: 0.012

Notes: joint 81



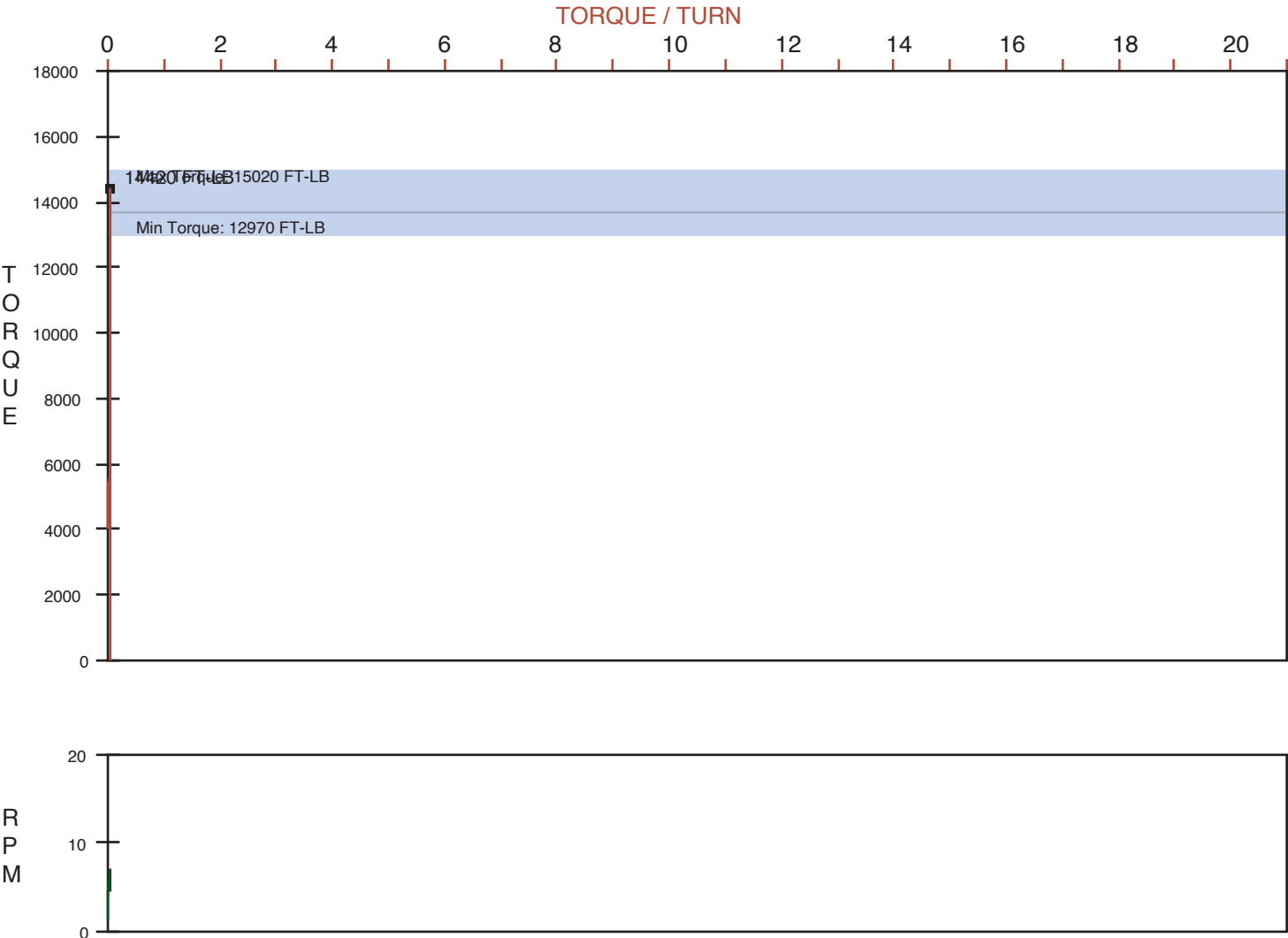
Joint #: 81

Count #: 81

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:28:17 PM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	3101.235 ft		
Cumulative Weight:	70884.850 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14420 FT-LB
Final Turns:	0.043
Max RPM:	8.100
Delta Torque:	5440 FT-LB
Delta Turns:	0.011

Notes: joint 82

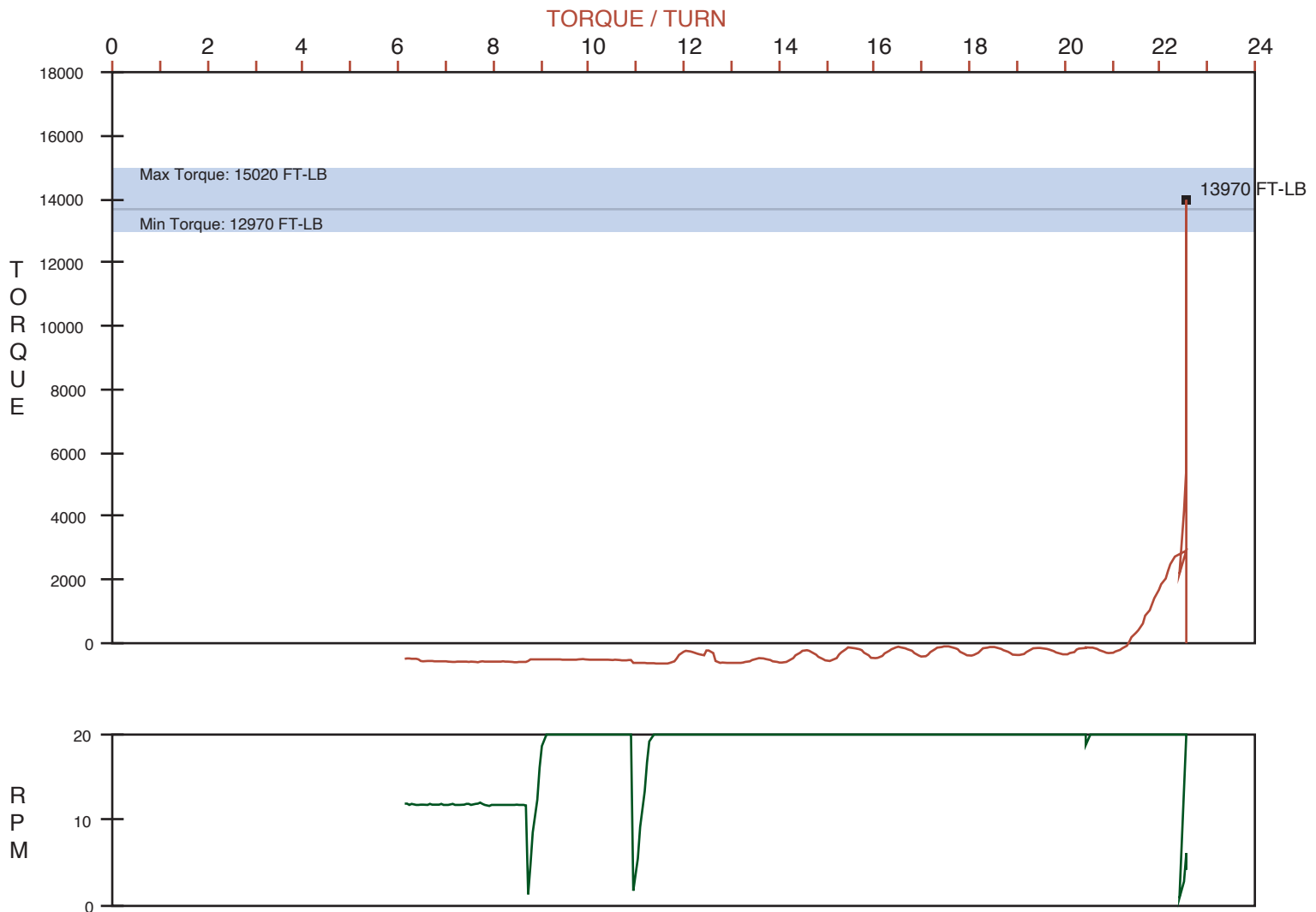


**Joint #: 82****Count #: 82**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 10:41:19 PM**

Heat/Lot#:

Pipe Length: **37.825 ft**Cumulative Length: **3139.060 ft**Cumulative Weight: **71754.825 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13970 FT-LB**Final Turns: **22.561**Max RPM: **22.770**Delta Torque: **0 FT-LB**Delta Turns: **0**Notes: **joint 83**

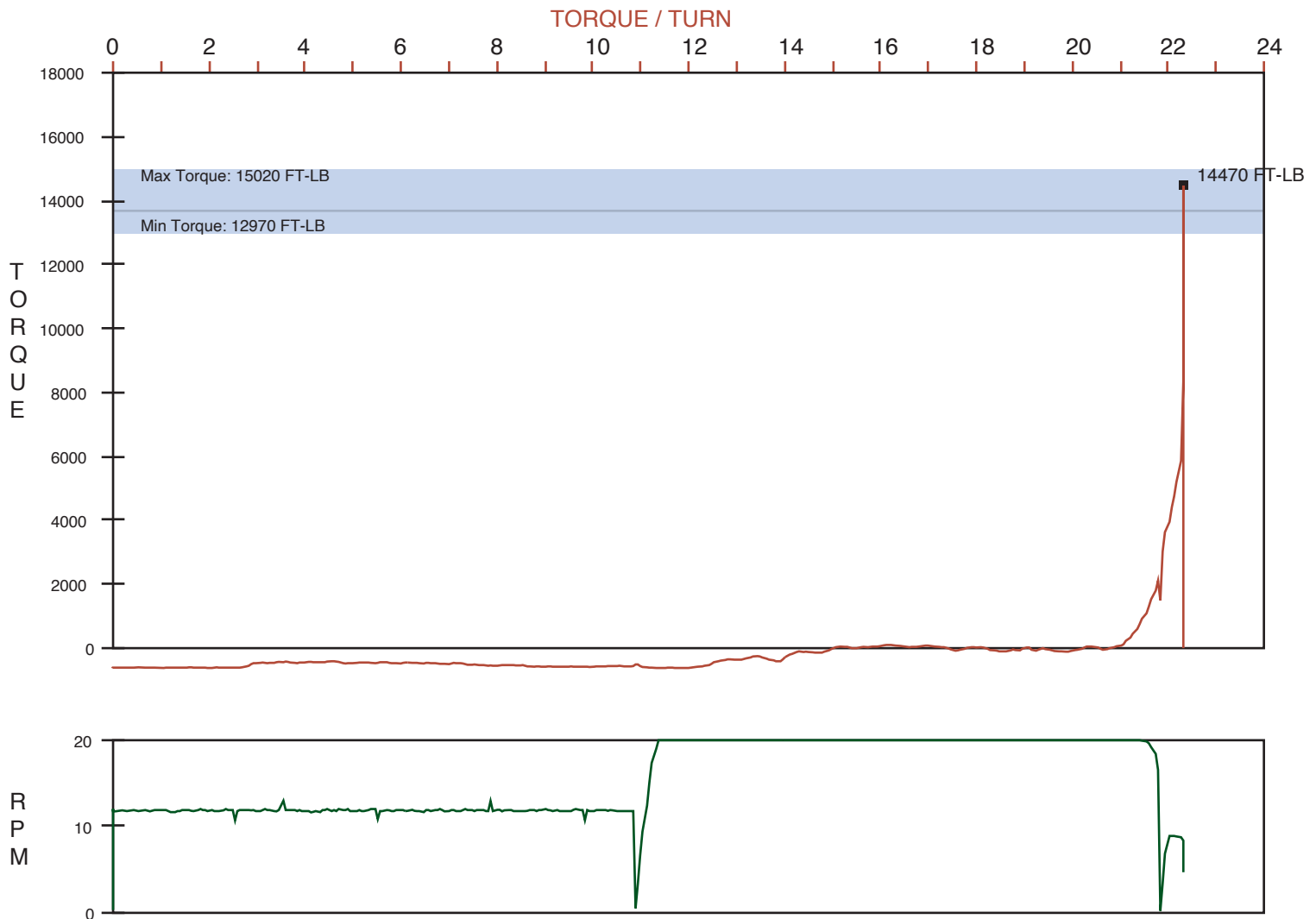


**Joint #: 83****Count #: 83**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:46:03 PM	Heat/Lot#:	
Pipe Length:	37.867 ft		
Cumulative Length:	3176.927 ft		
Cumulative Weight:	72625.766 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14470 FT-LB
Final Turns:	22.314
Max RPM:	20.700
Delta Torque:	6140 FT-LB
Delta Turns:	0.053

Notes: joint 84

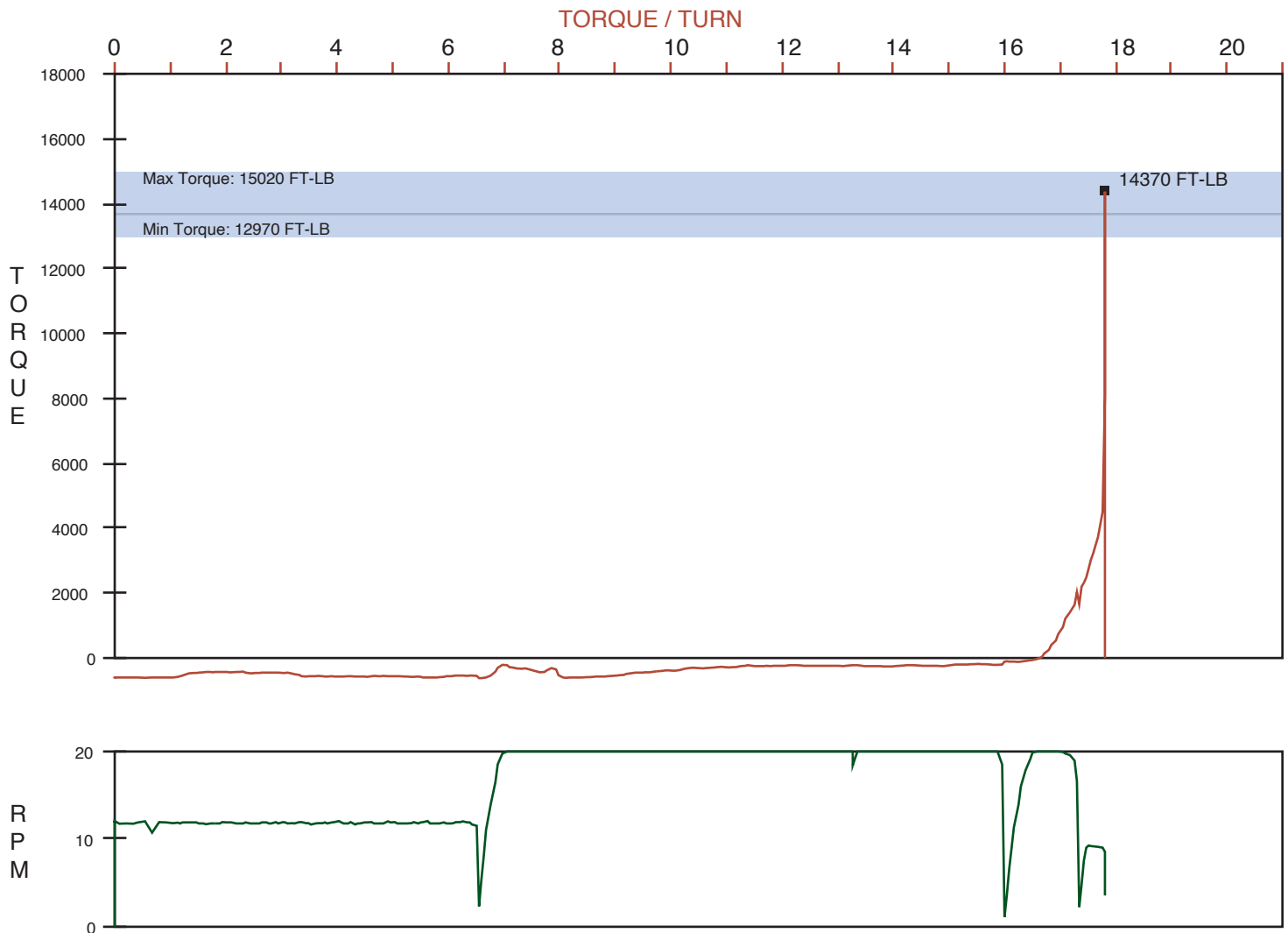


**Joint #: 84****Count #: 84**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:50:26 PM	Heat/Lot#:	
Pipe Length:	37.867 ft		
Cumulative Length:	3214.794 ft		
Cumulative Weight:	73496.707 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14370 FT-LB
Final Turns:	17.816
Max RPM:	22.320
Delta Torque:	2500 FT-LB
Delta Turns:	0.013

Notes: joint 85

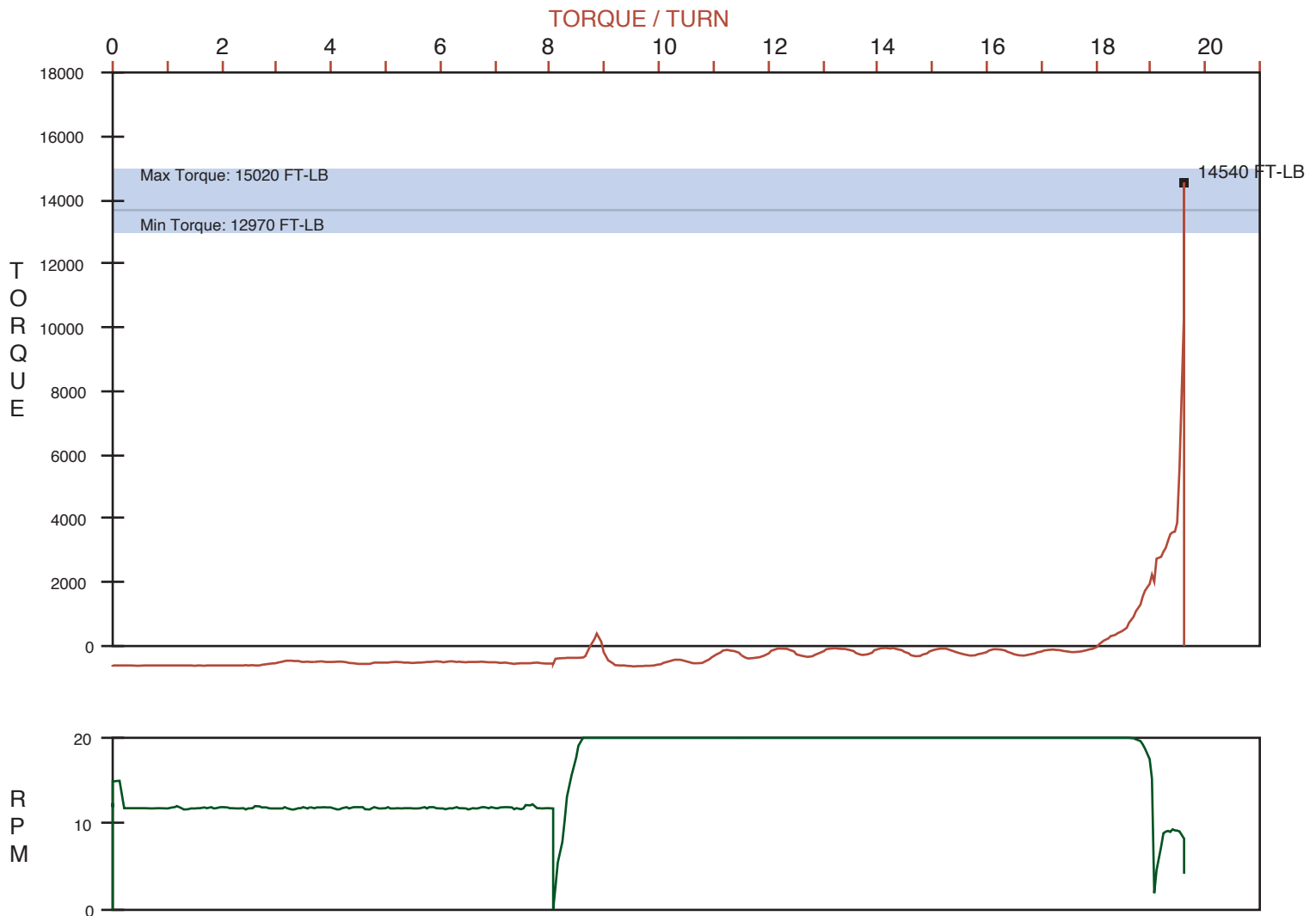


**Joint #: 85****Count #: 85**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:54:33 PM	Heat/Lot#:	
Pipe Length:	35.000 ft		
Cumulative Length:	3249.794 ft		
Cumulative Weight:	74301.707 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14540 FT-LB
Final Turns:	19.604
Max RPM:	20.670
Delta Torque:	5650 FT-LB
Delta Turns:	0.057

Notes: joint 86



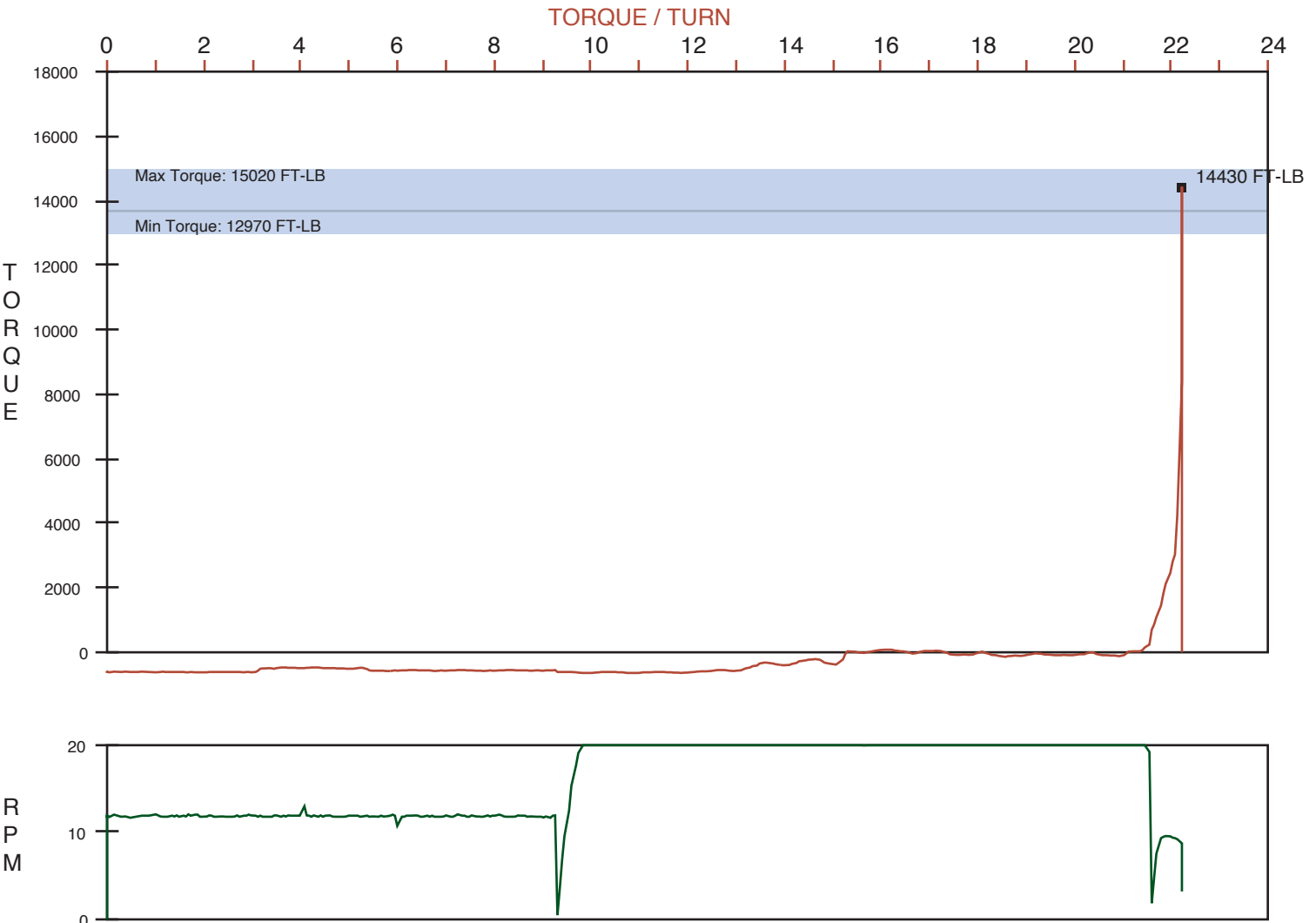
Joint #: 86

Count #: 86

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 10:59:44 PM	Heat/Lot#:	
Pipe Length:	35.066 ft		
Cumulative Length:	3284.860 ft		
Cumulative Weight:	75108.225 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14430 FT-LB
Final Turns:	22.218
Max RPM:	20.760
Delta Torque:	7410 FT-LB
Delta Turns:	0.067

Notes: joint 87



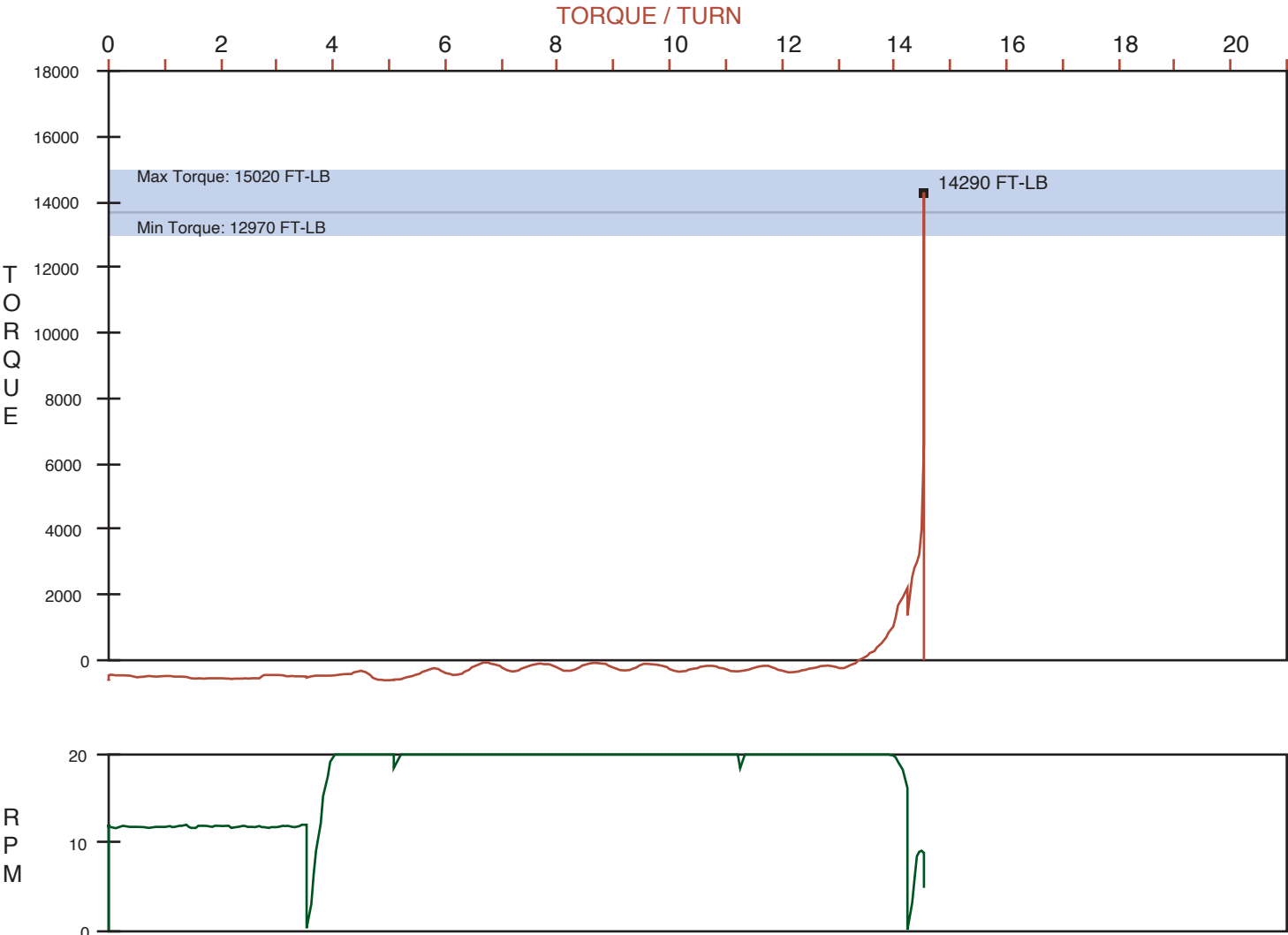
Joint #: 87

Count #: 87

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:05:04 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	3322.721 ft		
Cumulative Weight:	75979.028 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14290 FT-LB
Final Turns:	14.55
Max RPM:	22.350
Delta Torque:	6440 FT-LB
Delta Turns:	0.042

Notes: joint 88



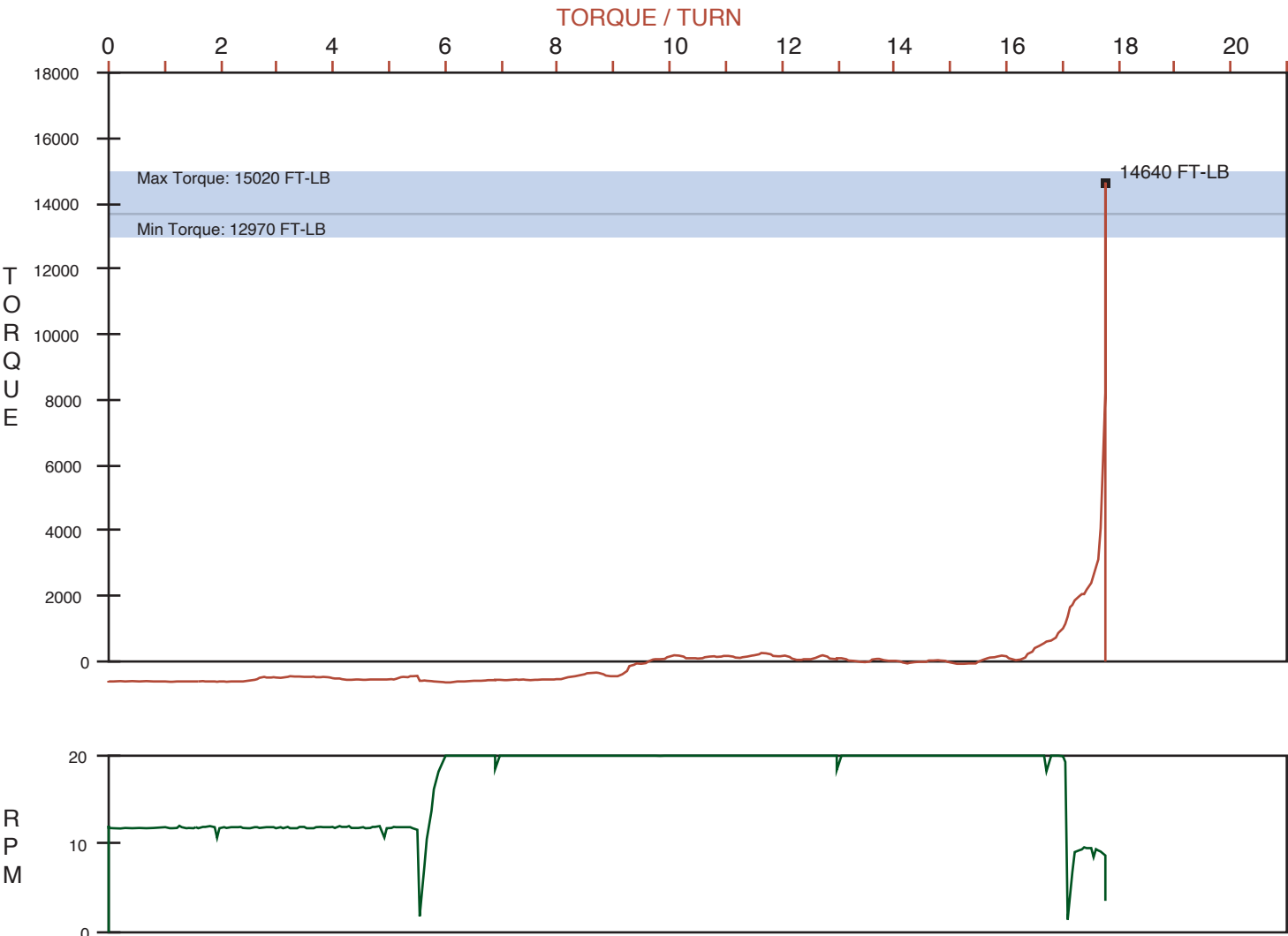
Joint #: 88

Count #: 88

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:10:07 PM	Heat/Lot#:	
Pipe Length:	37.884 ft		
Cumulative Length:	3360.605 ft		
Cumulative Weight:	76850.360 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14640 FT-LB
Final Turns:	17.748
Max RPM:	22.410
Delta Torque:	9040 FT-LB
Delta Turns:	0.073

Notes: joint 89

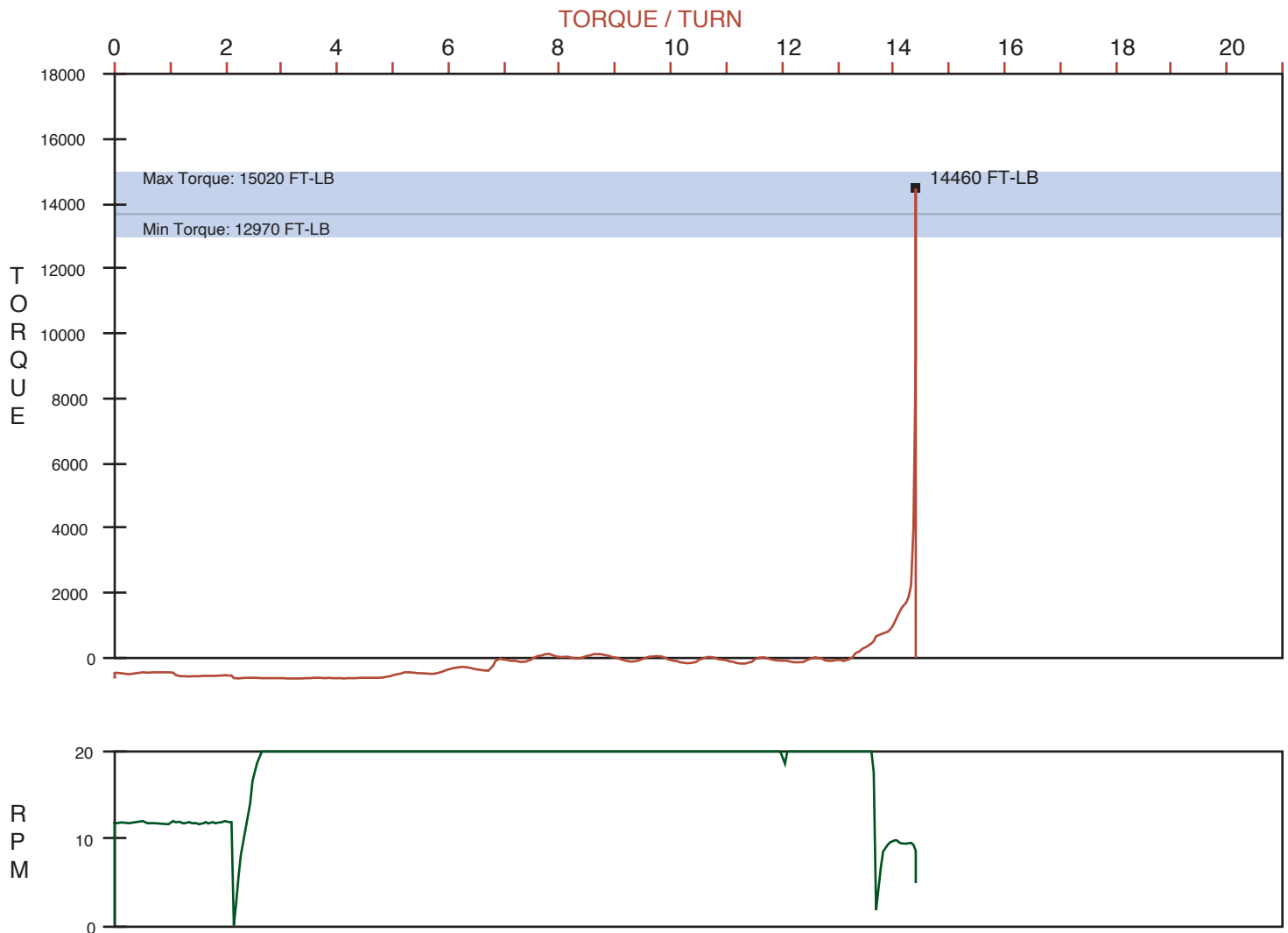


**Joint #: 89****Count #: 89**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:14:34 PM	Heat/Lot#:	
Pipe Length:	37.871 ft		
Cumulative Length:	3398.476 ft		
Cumulative Weight:	77721.393 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14460 FT-LB
Final Turns:	14.426
Max RPM:	22.290
Delta Torque:	9430 FT-LB
Delta Turns:	0.083

Notes: joint 90



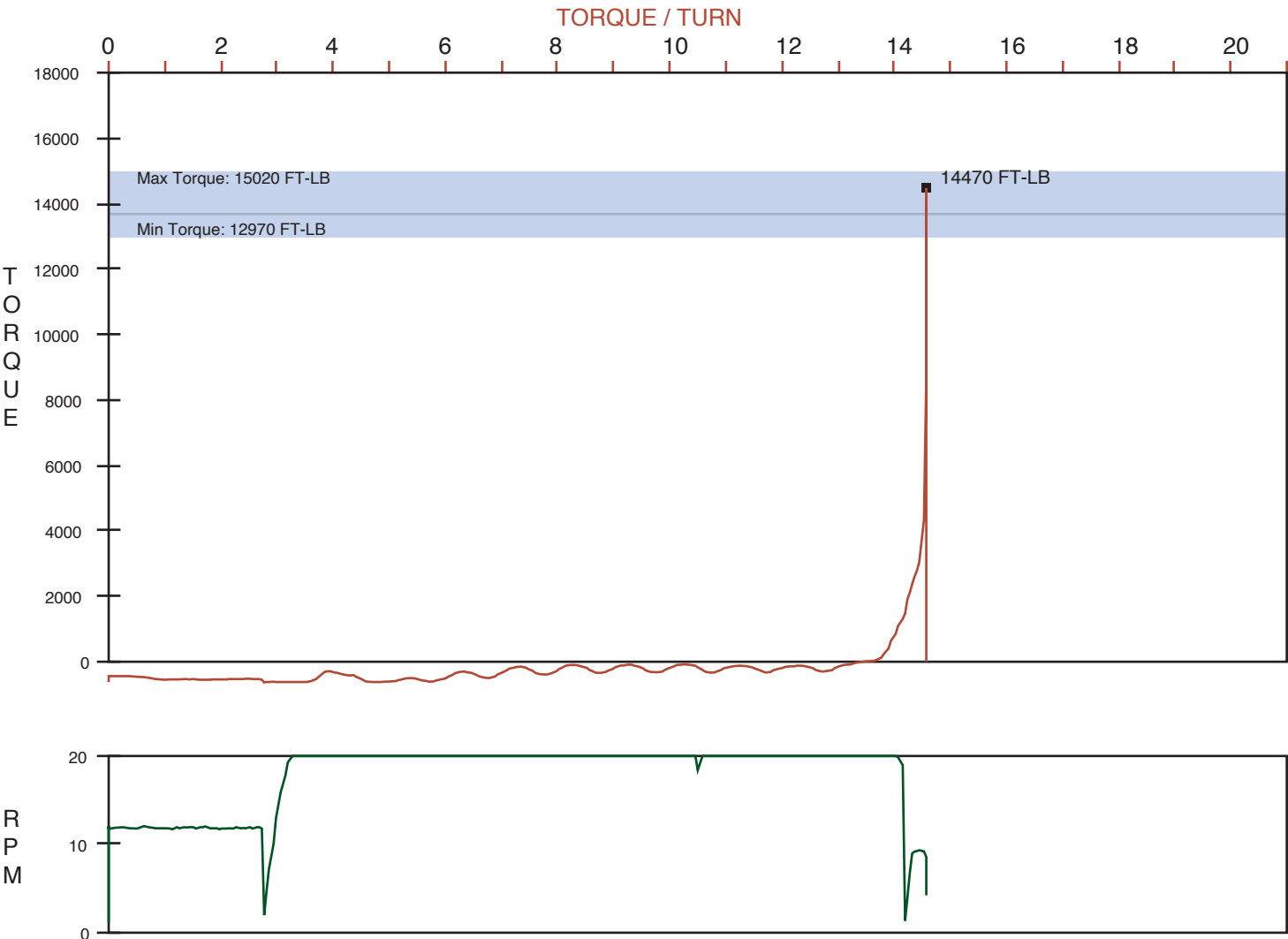
Joint #: 90

Count #: 90

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:18:04 PM	Heat/Lot#:	
Pipe Length:	37.835 ft		
Cumulative Length:	3436.311 ft		
Cumulative Weight:	78591.598 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14470 FT-LB
Final Turns:	14.575
Max RPM:	22.350
Delta Torque:	8990 FT-LB
Delta Turns:	0.070

Notes: joint 91





**Joint #: 91****Count #: 91**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:24:19 PM	Heat/Lot#:	
Pipe Length:	37.851 ft		
Cumulative Length:	3474.162 ft		
Cumulative Weight:	79462.171 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14410 FT-LB

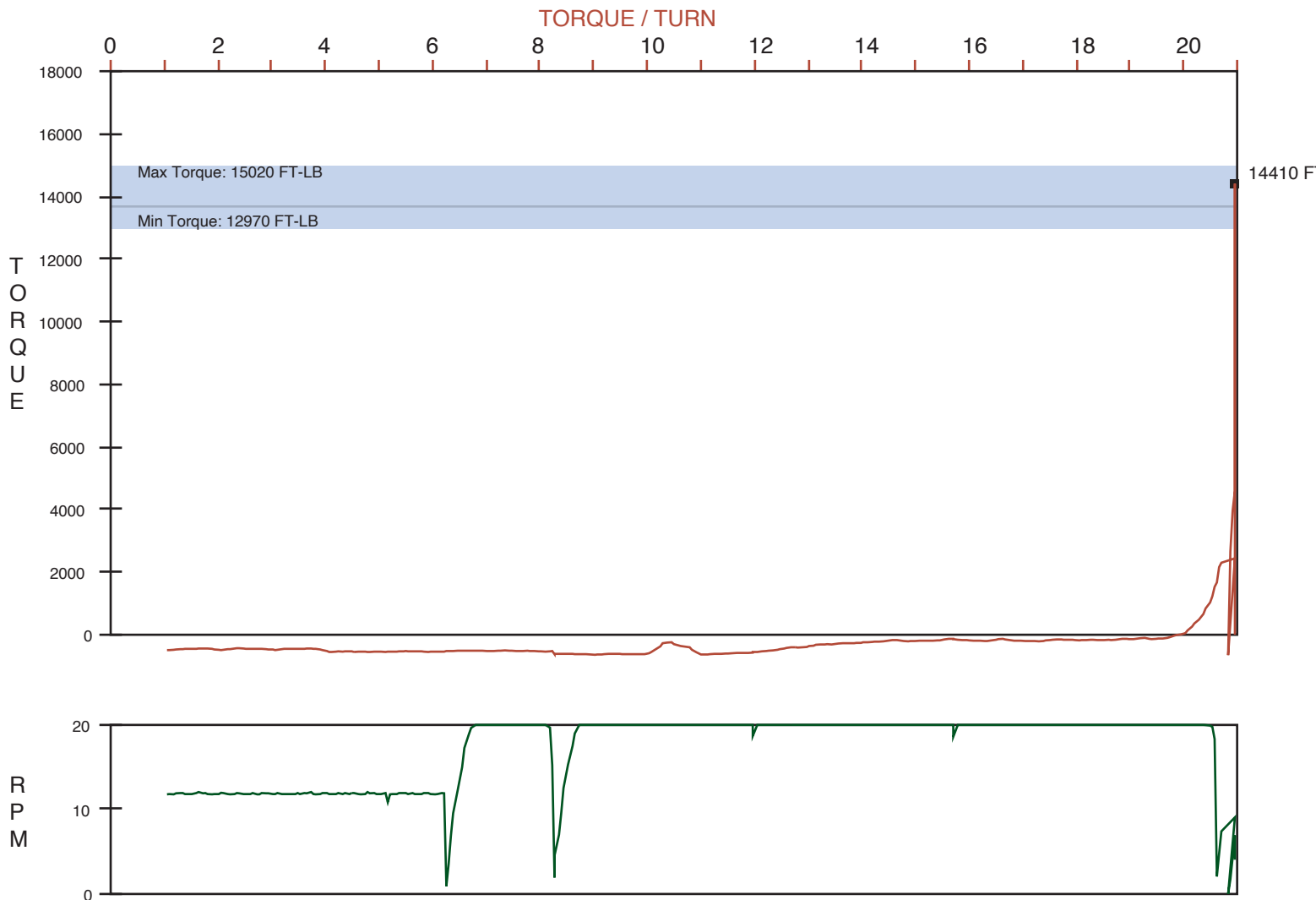
Final Turns: 20.976

Max RPM: 22.380

Delta Torque: 0 FT-LB

Delta Turns: 0

Notes: joint 92



**Joint #: 92****Count #: 92**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:28:01 PM	Heat/Lot#:	
Pipe Length:	36.066 ft		
Cumulative Length:	3510.228 ft		
Cumulative Weight:	80291.689 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14100 FT-LB

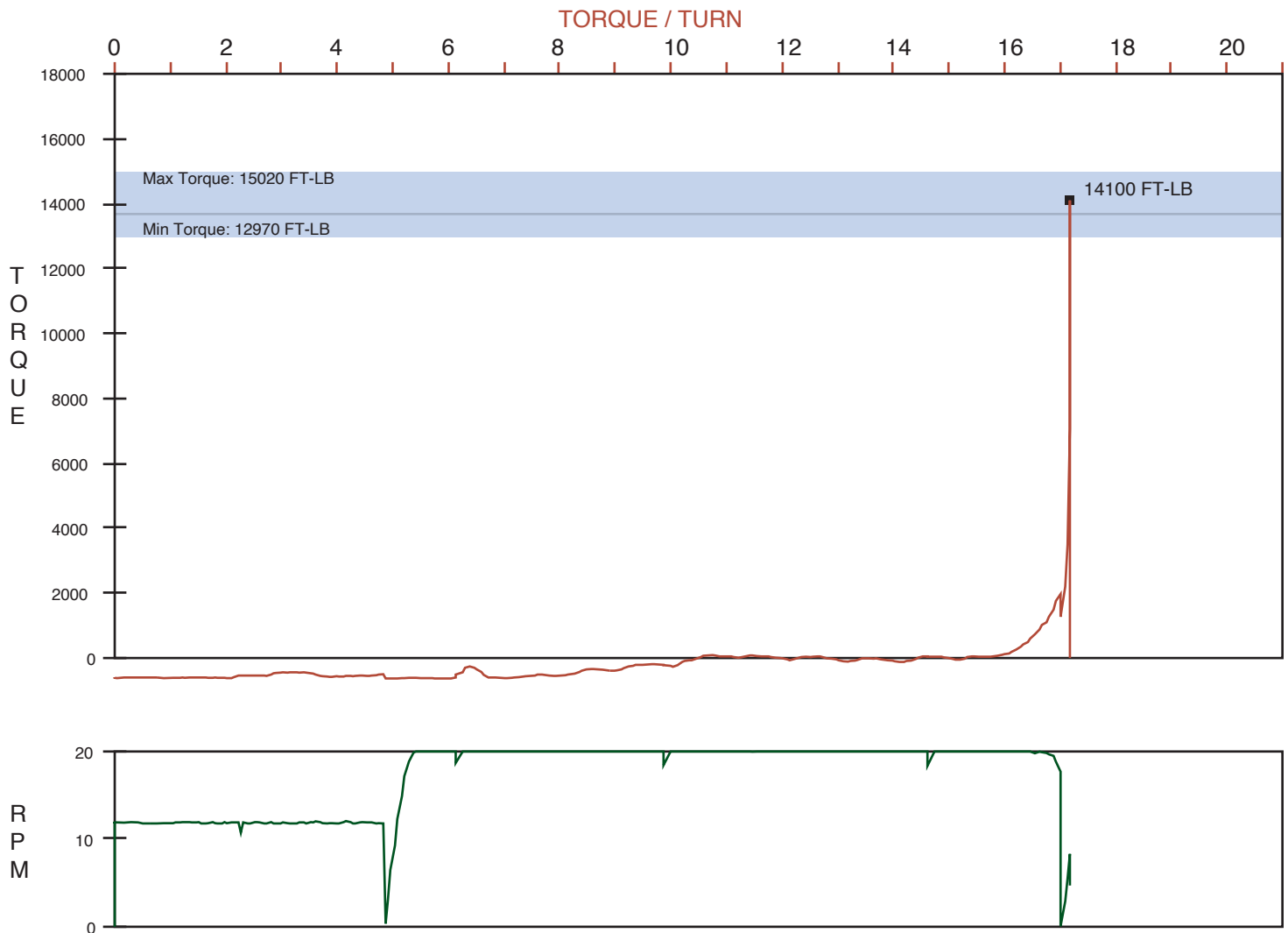
Final Turns: 17.193

Max RPM: 22.320

Delta Torque: 3280 FT-LB

Delta Turns: 0.015

Notes: joint 93



**Joint #: 93****Count #: 93**

Job:	5.5 production casing	Serial#:	
Time:	10/14/2023 11:31:25 PM	Heat/Lot#:	
Pipe Length:	35.138 ft		
Cumulative Length:	3545.366 ft		
Cumulative Weight:	81099.863 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14130 FT-LB

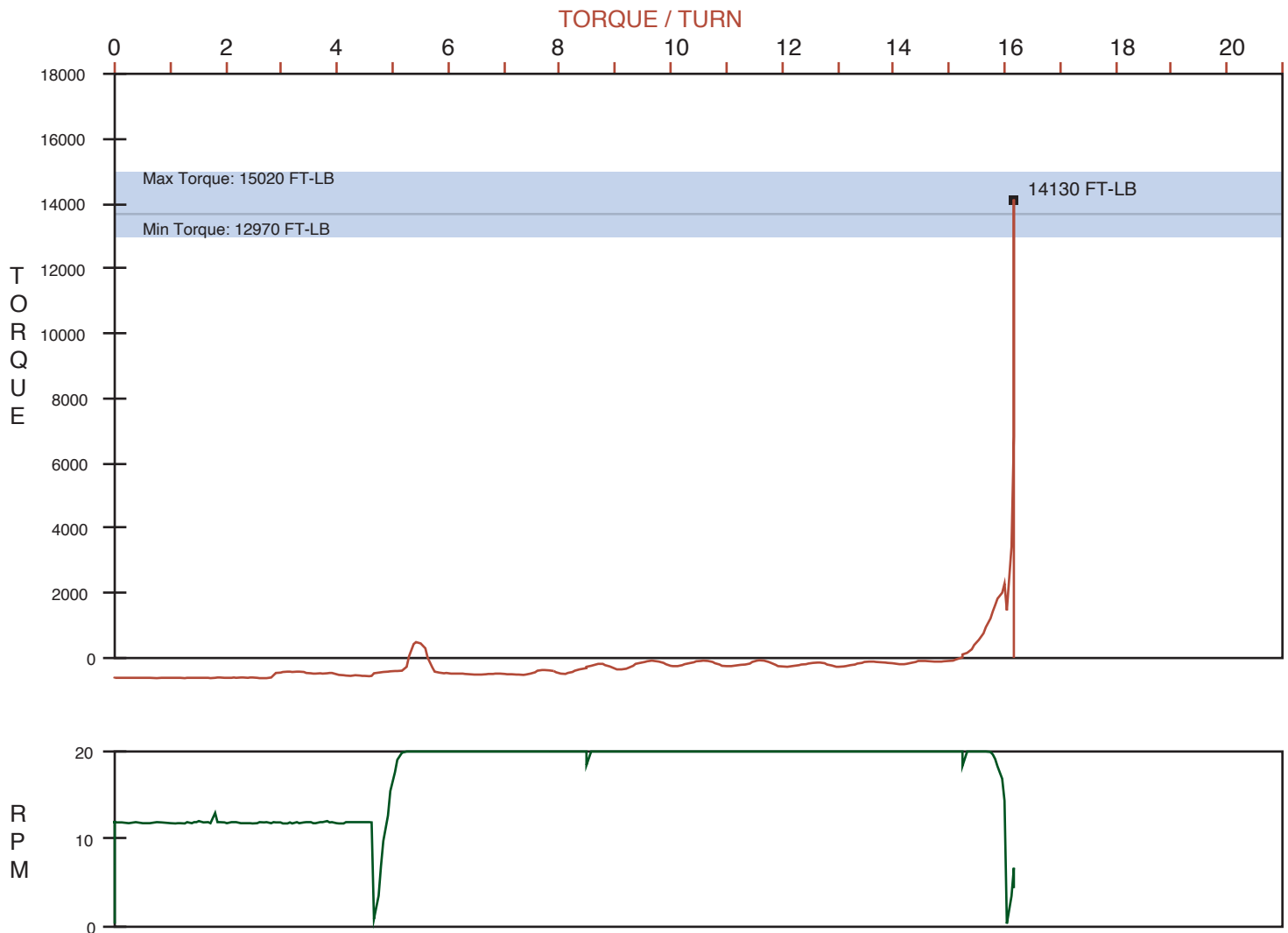
Final Turns: 16.17

Max RPM: 22.320

Delta Torque: 0 FT-LB

Delta Turns: 0

Notes: joint 94

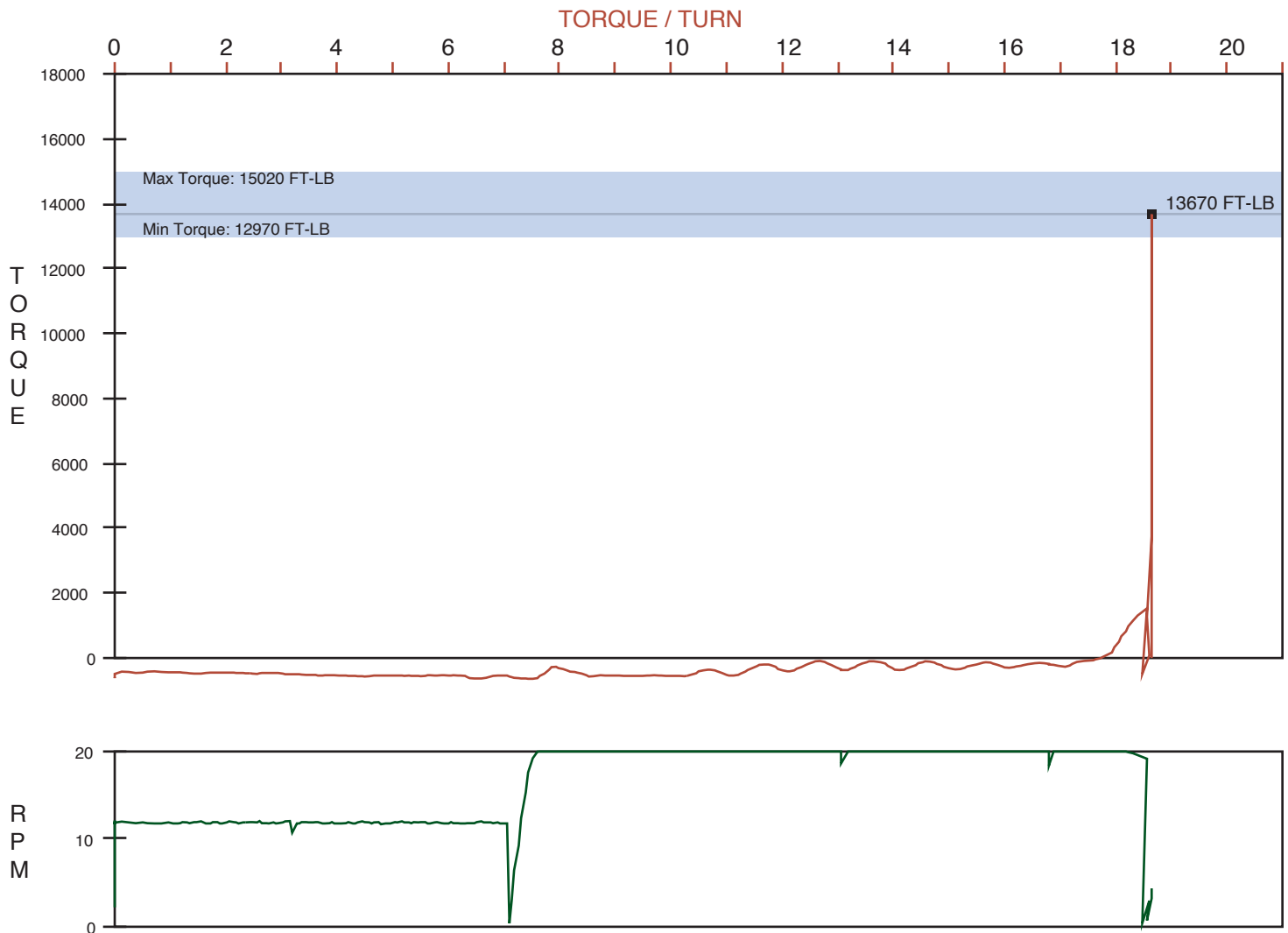


**Joint #: 94****Count #: 94**Job: **5.5 production casing**

Serial#:

Time: **10/14/2023 11:37:25 PM**

Heat/Lot#:

Pipe Length: **37.828 ft**Cumulative Length: **3583.194 ft**Cumulative Weight: **81969.907 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13670 FT-LB**Final Turns: **18.636**Max RPM: **22.530**Delta Torque: **660 FT-LB**Delta Turns: **0**Notes: **joint 95**

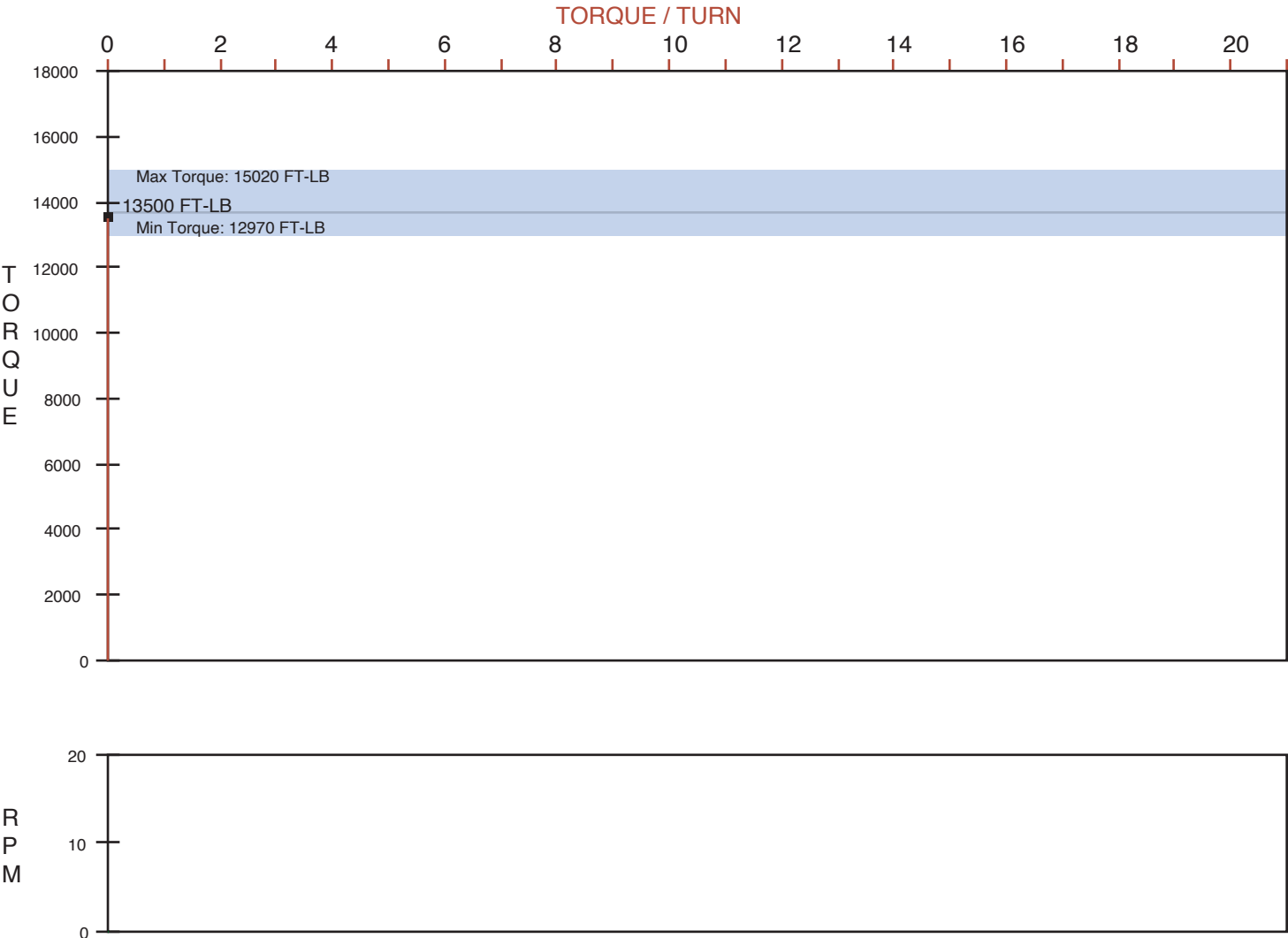
Joint #: 95

Count #: 95

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:05:33 AM	Heat/Lot#:	
Pipe Length:	19.252 ft		
Cumulative Length:	3602.446 ft		
Cumulative Weight:	82412.703 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13500 FT-LB
Final Turns:	-0.160
Max RPM:	0.690
Delta Torque:	0 FT-LB
Delta Turns:	0

Notes: pup B

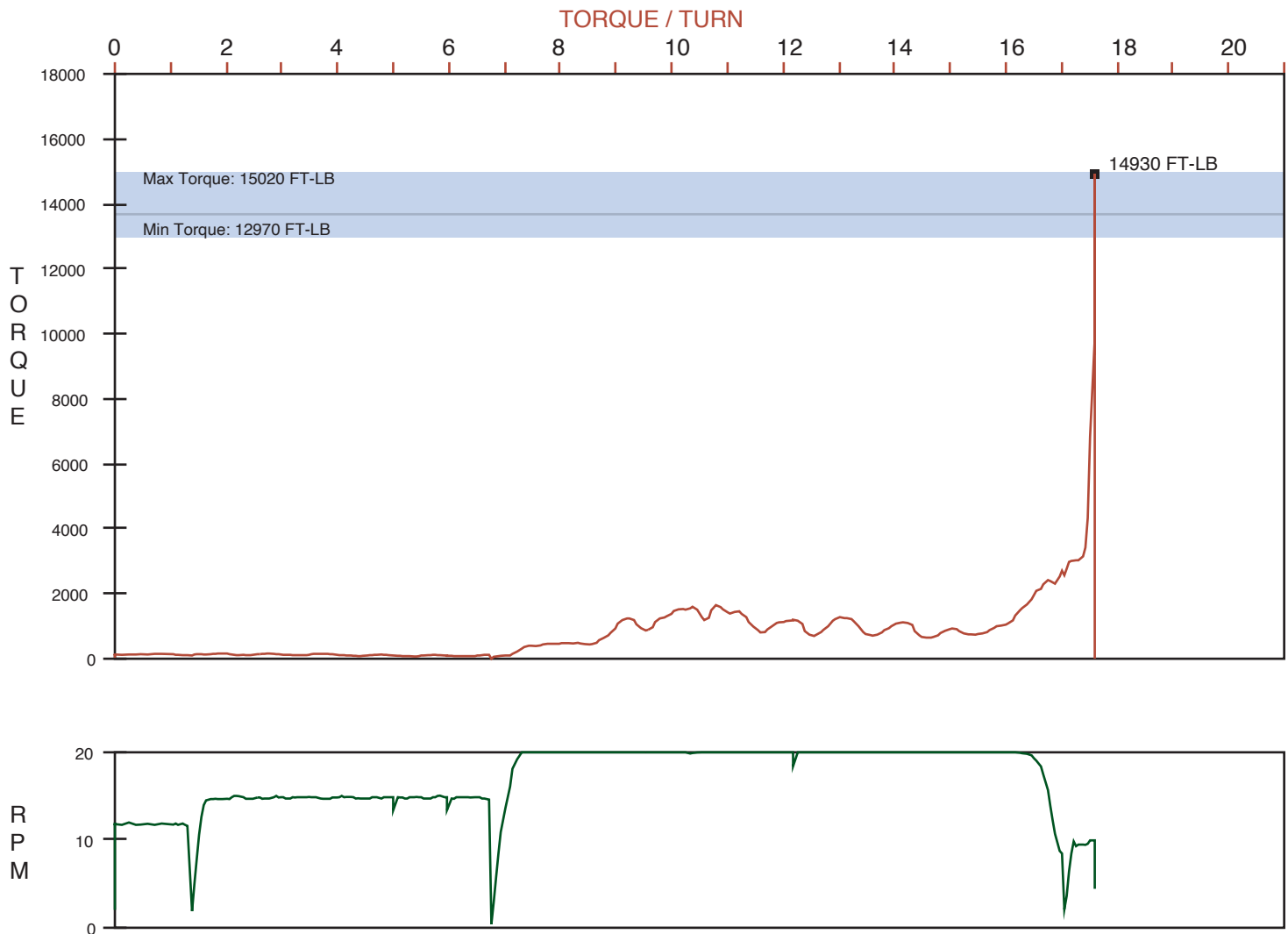


**Joint #: 96****Count #: 96**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 12:17:54 AM**

Heat/Lot#:

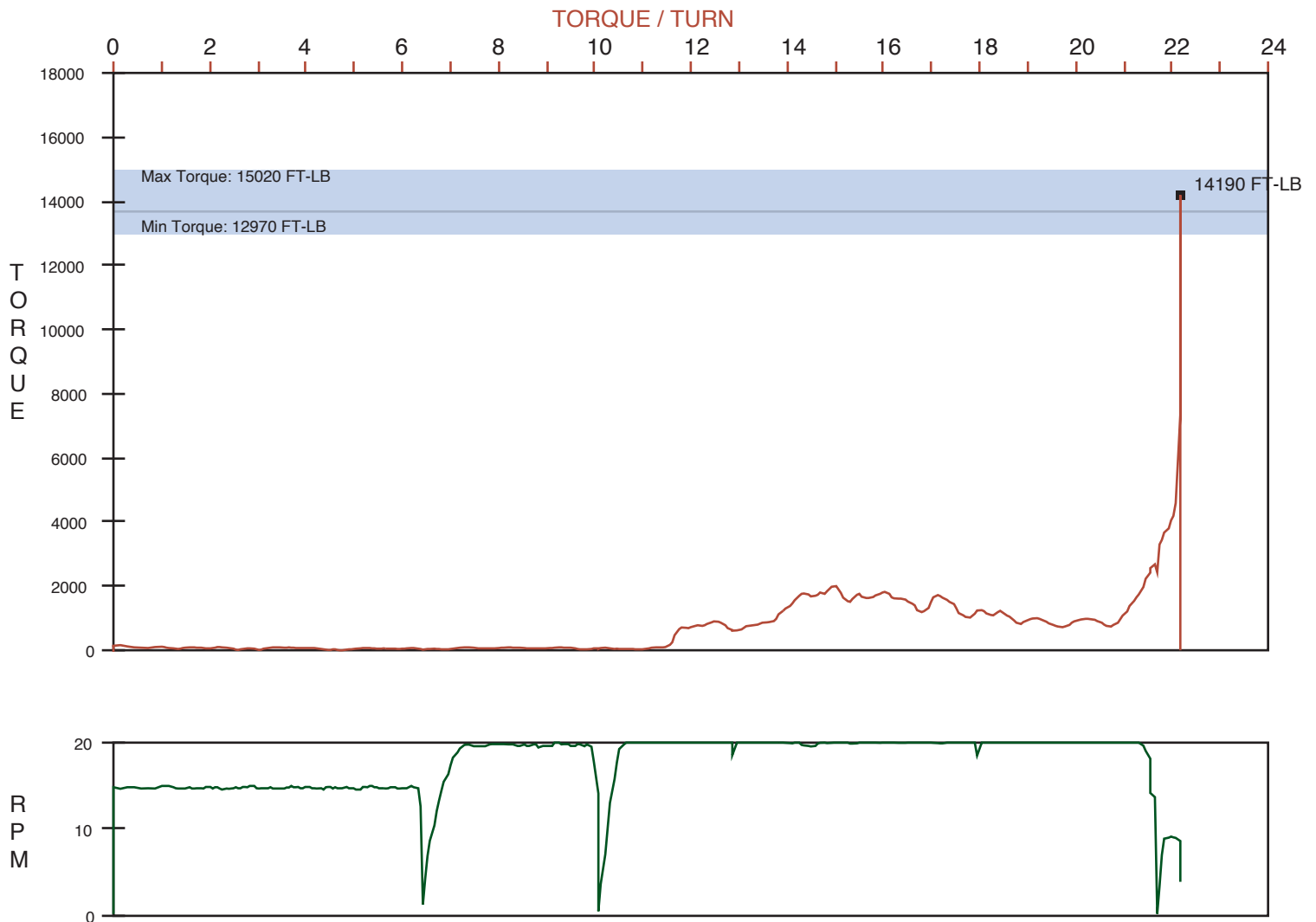
Pipe Length: **36.066 ft**Cumulative Length: **3638.512 ft**Cumulative Weight: **83242.221 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14930 FT-LB**Final Turns: **17.581**Max RPM: **22.200**Delta Torque: **11640 FT-LB**Delta Turns: **0.212**Notes: **joint 96**

**Joint #: 97****Count #: 97**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:24:39 AM	Heat/Lot#:	
Pipe Length:	37.753 ft		
Cumulative Length:	3676.265 ft		
Cumulative Weight:	84110.540 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14190 FT-LB
Final Turns:	22.165
Max RPM:	22.200
Delta Torque:	6860 FT-LB
Delta Turns:	0.052

Notes: joint 97



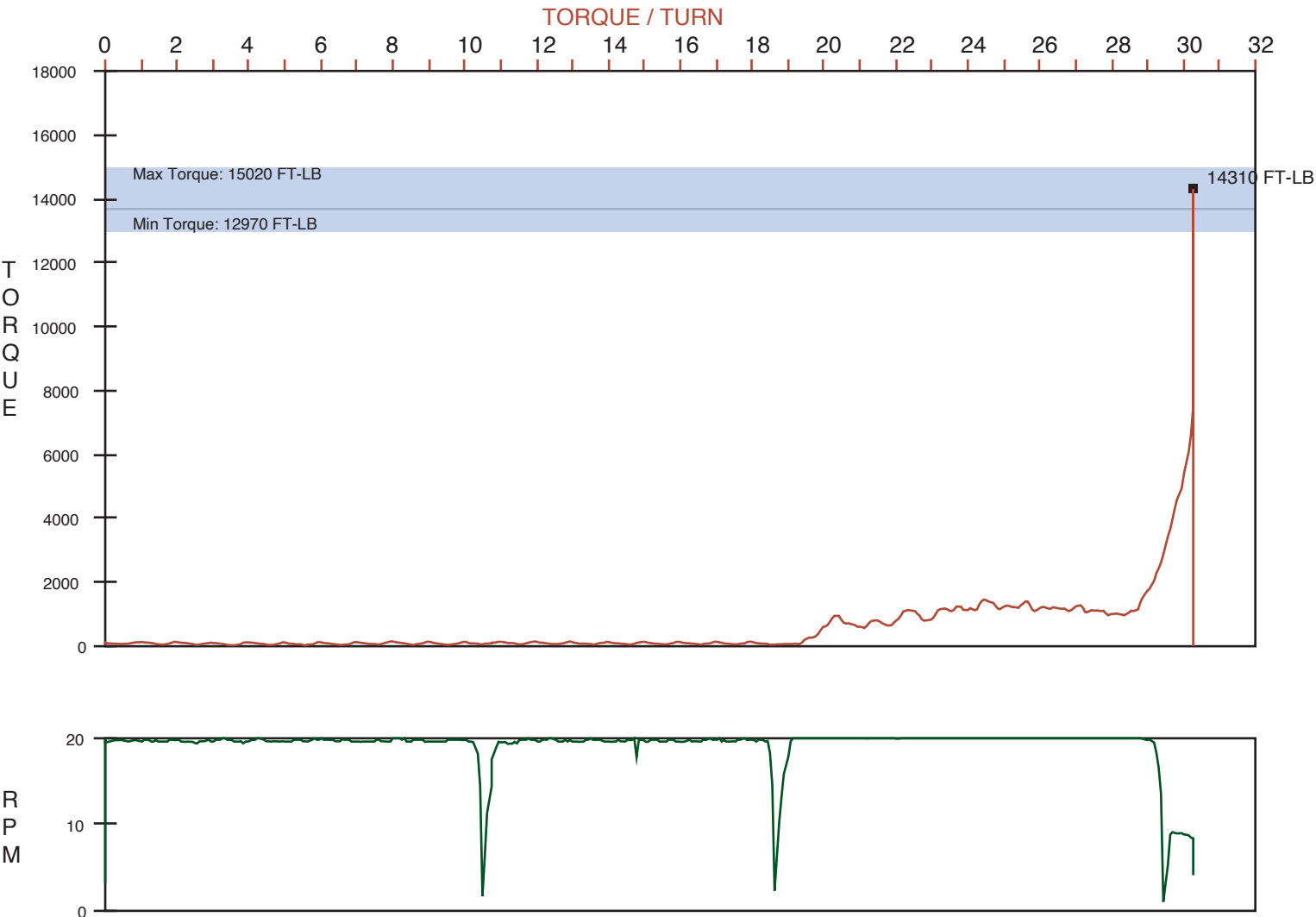
Joint #: 98

Count #: 98

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:31:10 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	3714.093 ft		
Cumulative Weight:	84980.584 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14310 FT-LB
Final Turns:	30.290
Max RPM:	21.600
Delta Torque:	8070 FT-LB
Delta Turns:	0.182

Notes: joint 98





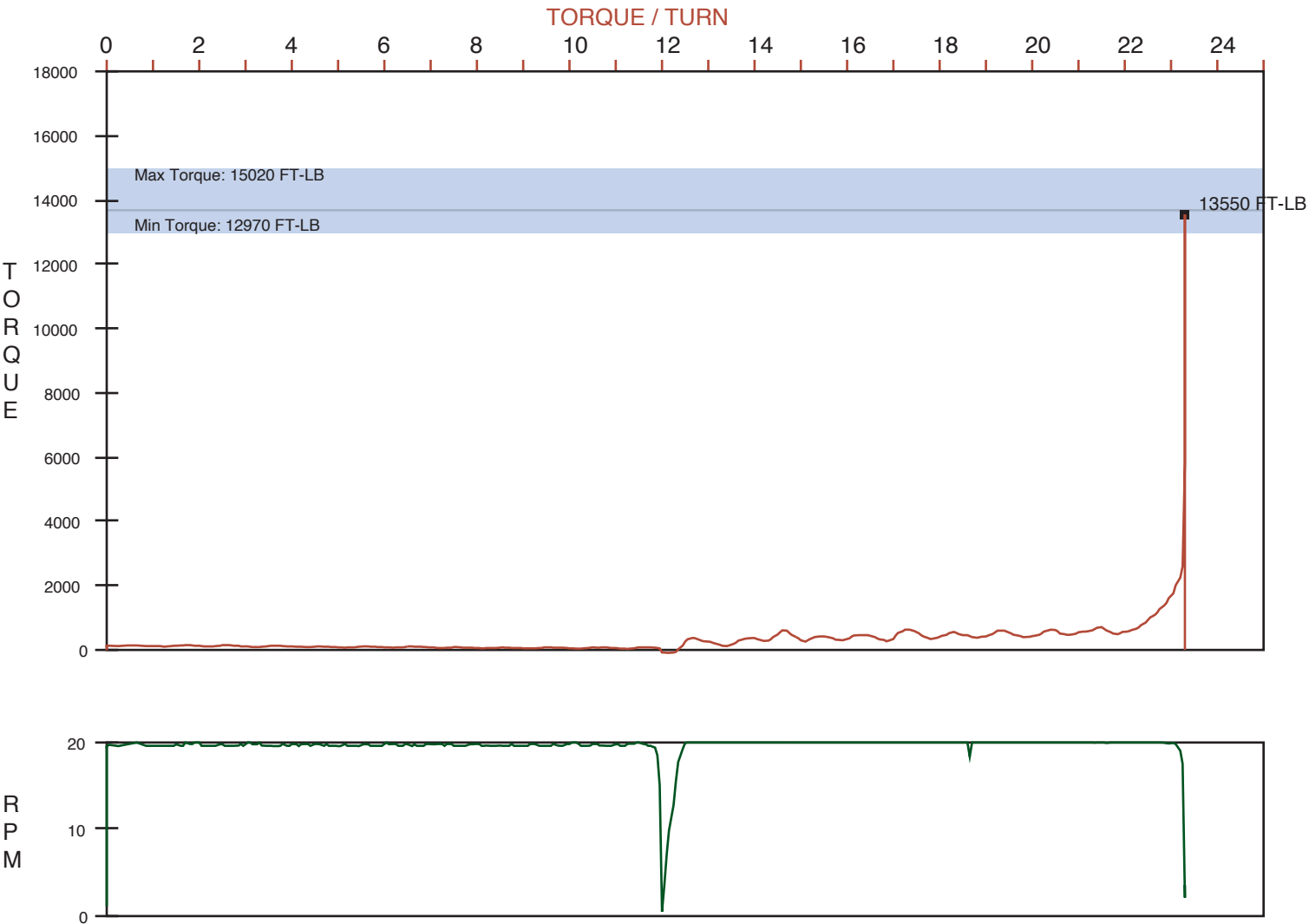
Joint #: 99

Count #: 99

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:36:43 AM	Heat/Lot#:	
Pipe Length:	35.758 ft		
Cumulative Length:	3749.851 ft		
Cumulative Weight:	85803.018 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13550 FT-LB
Final Turns:	23.323
Max RPM:	22.290
Delta Torque:	10950 FT-LB
Delta Turns:	0.095

Notes: joint 99



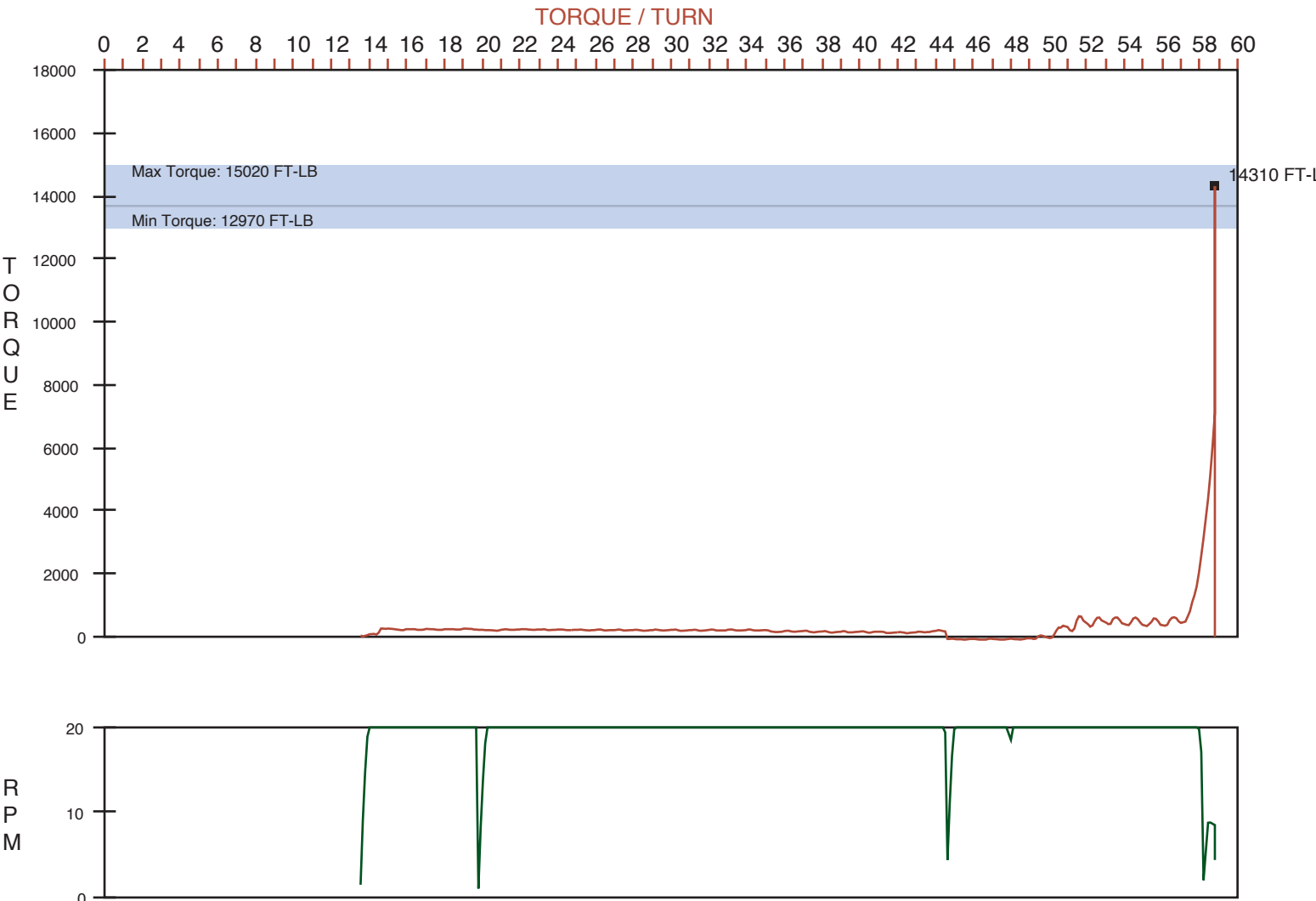
Joint #: 100

Count #: 100

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:44:45 AM	Heat/Lot#:	
Pipe Length:	35.026 ft		
Cumulative Length:	3784.877 ft		
Cumulative Weight:	86608.616 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14310 FT-LB
Final Turns:	58.793
Max RPM:	22.410
Delta Torque:	7480 FT-LB
Delta Turns:	0.171

Notes: joint 100

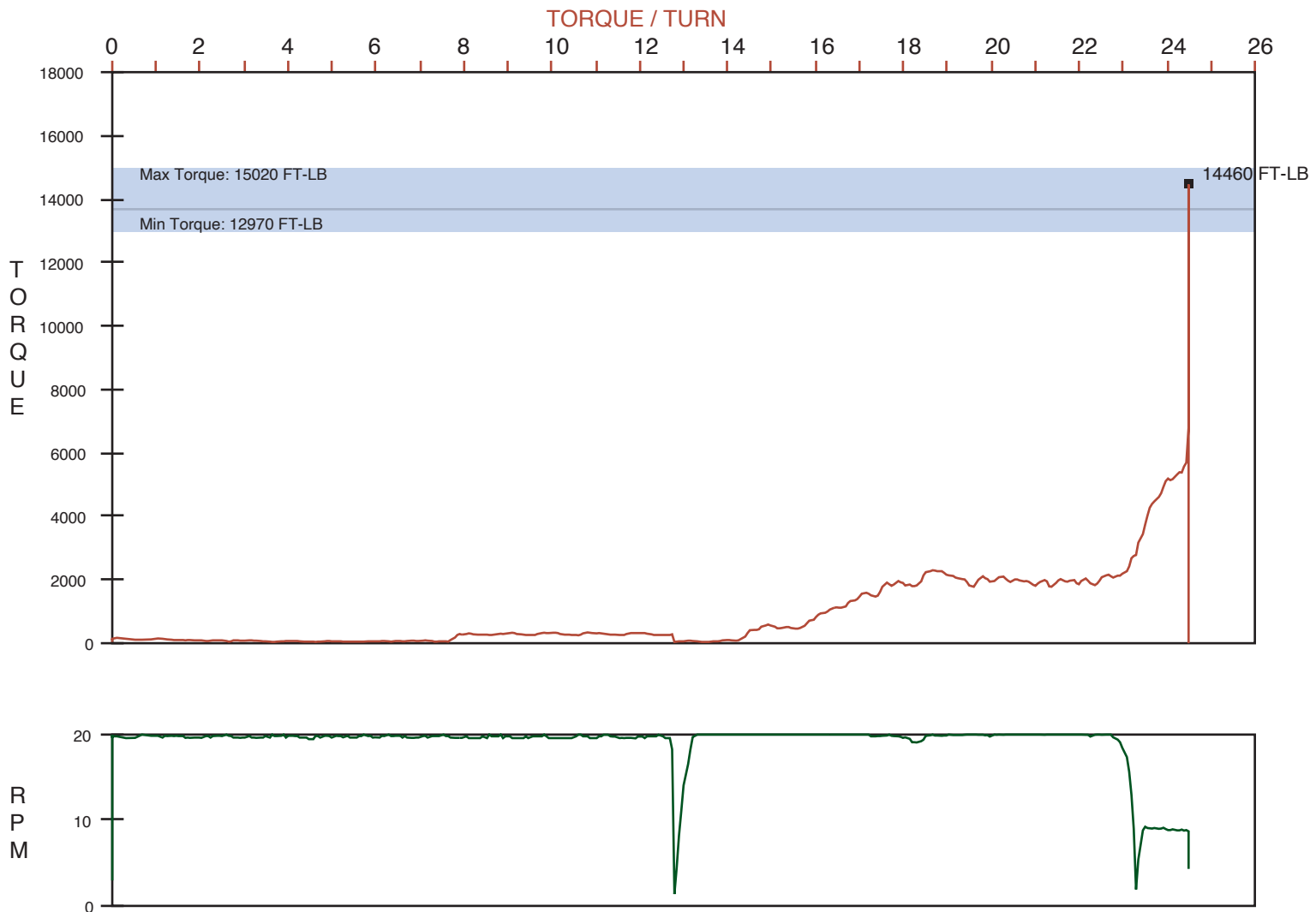


**Joint #: 101****Count #: 101**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:06:03 AM	Heat/Lot#:	
Pipe Length:	35.663 ft		
Cumulative Length:	3820.540 ft		
Cumulative Weight:	87428.865 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14460 FT-LB
Final Turns:	24.516
Max RPM:	20.730
Delta Torque:	8890 FT-LB
Delta Turns:	0.175

Notes: joint 101



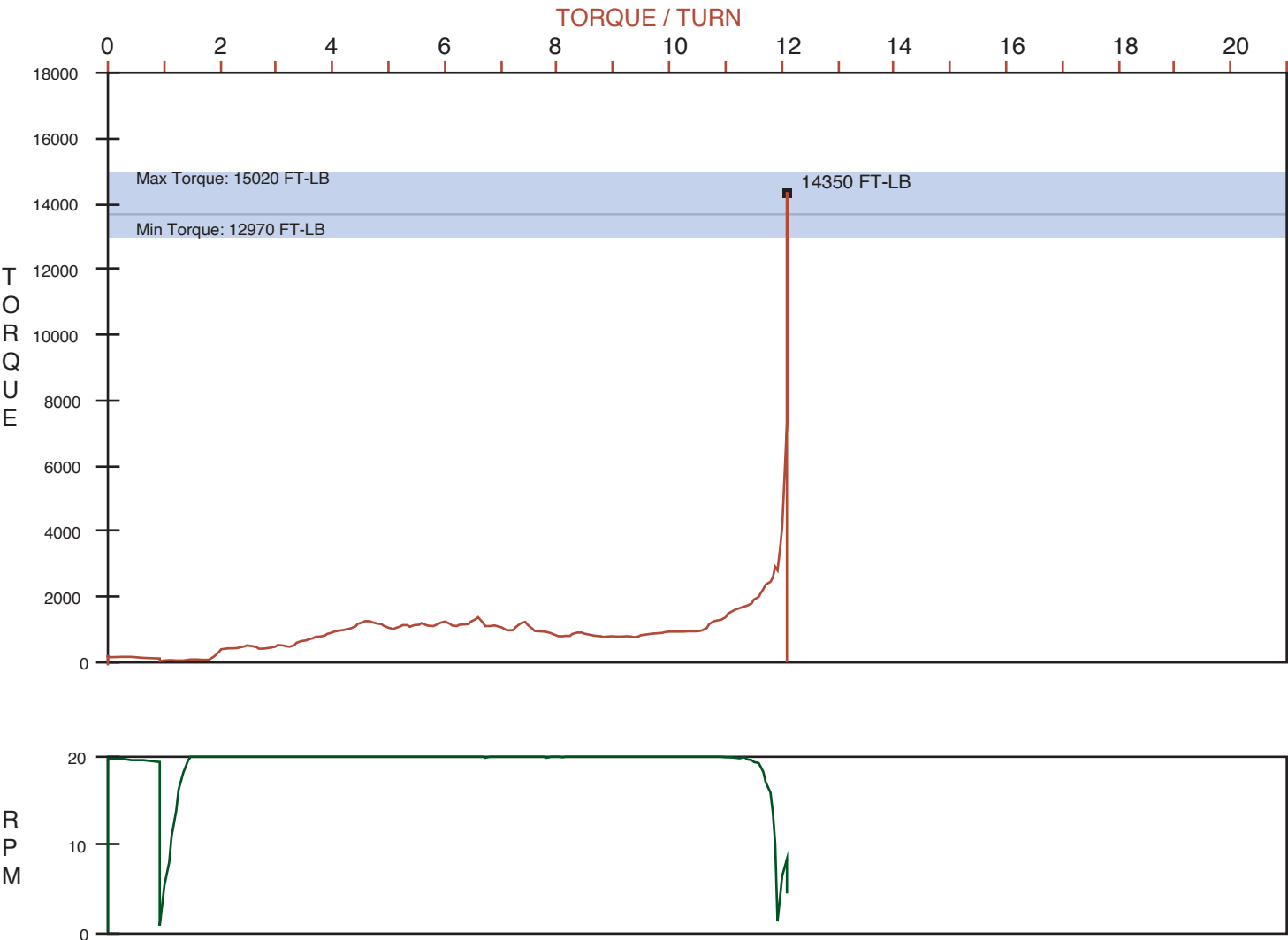
Joint #: 102

Count #: 102

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:10:33 AM	Heat/Lot#:	
Pipe Length:	34.596 ft		
Cumulative Length:	3855.136 ft		
Cumulative Weight:	88224.573 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14350 FT-LB
Final Turns:	12.082
Max RPM:	21.540
Delta Torque:	10930 FT-LB
Delta Turns:	0.148

Notes: joint 102

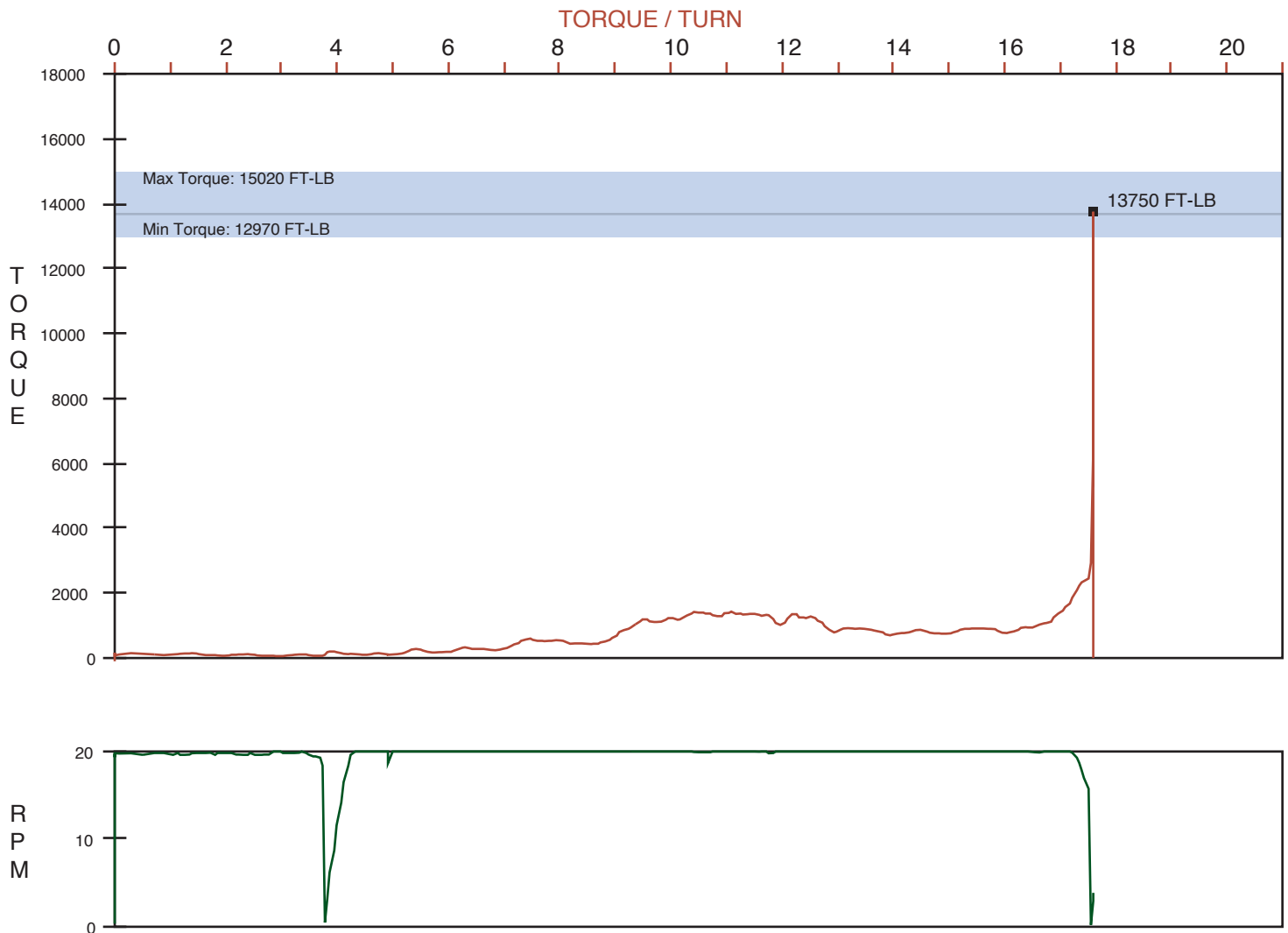


**Joint #: 103****Count #: 103**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:15:57 AM	Heat/Lot#:	
Pipe Length:	33.950 ft		
Cumulative Length:	3889.086 ft		
Cumulative Weight:	89005.423 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	13750 FT-LB
Final Turns:	17.602
Max RPM:	22.380
Delta Torque:	11010 FT-LB
Delta Turns:	0.100

Notes: joint 103



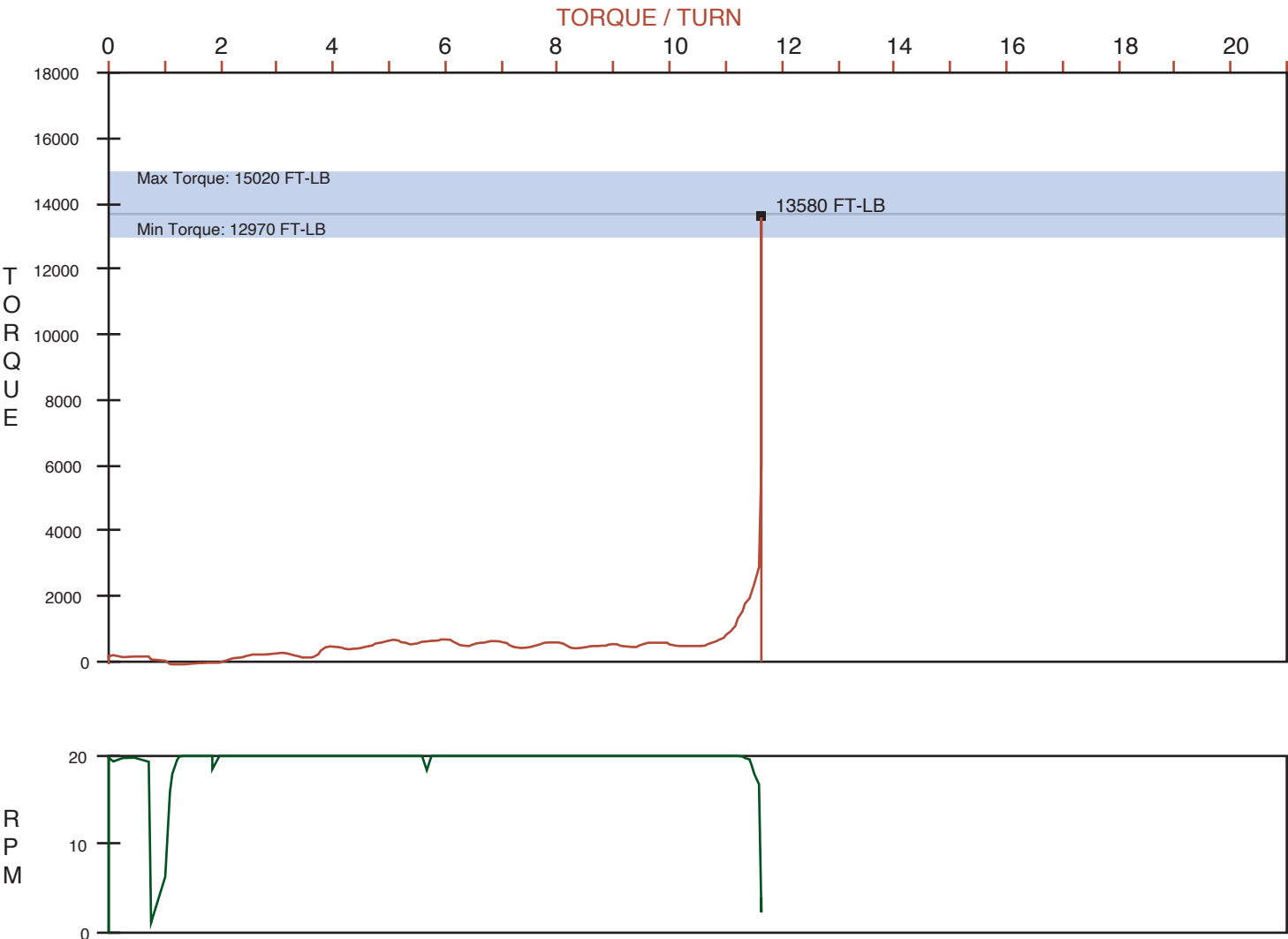
Joint #: 104

Count #: 104

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:22:17 AM	Heat/Lot#:	
Pipe Length:	35.062 ft		
Cumulative Length:	3924.148 ft		
Cumulative Weight:	89811.849 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13580 FT-LB
Final Turns:	11.647
Max RPM:	22.350
Delta Torque:	11030 FT-LB
Delta Turns:	0.093

Notes: joint 104



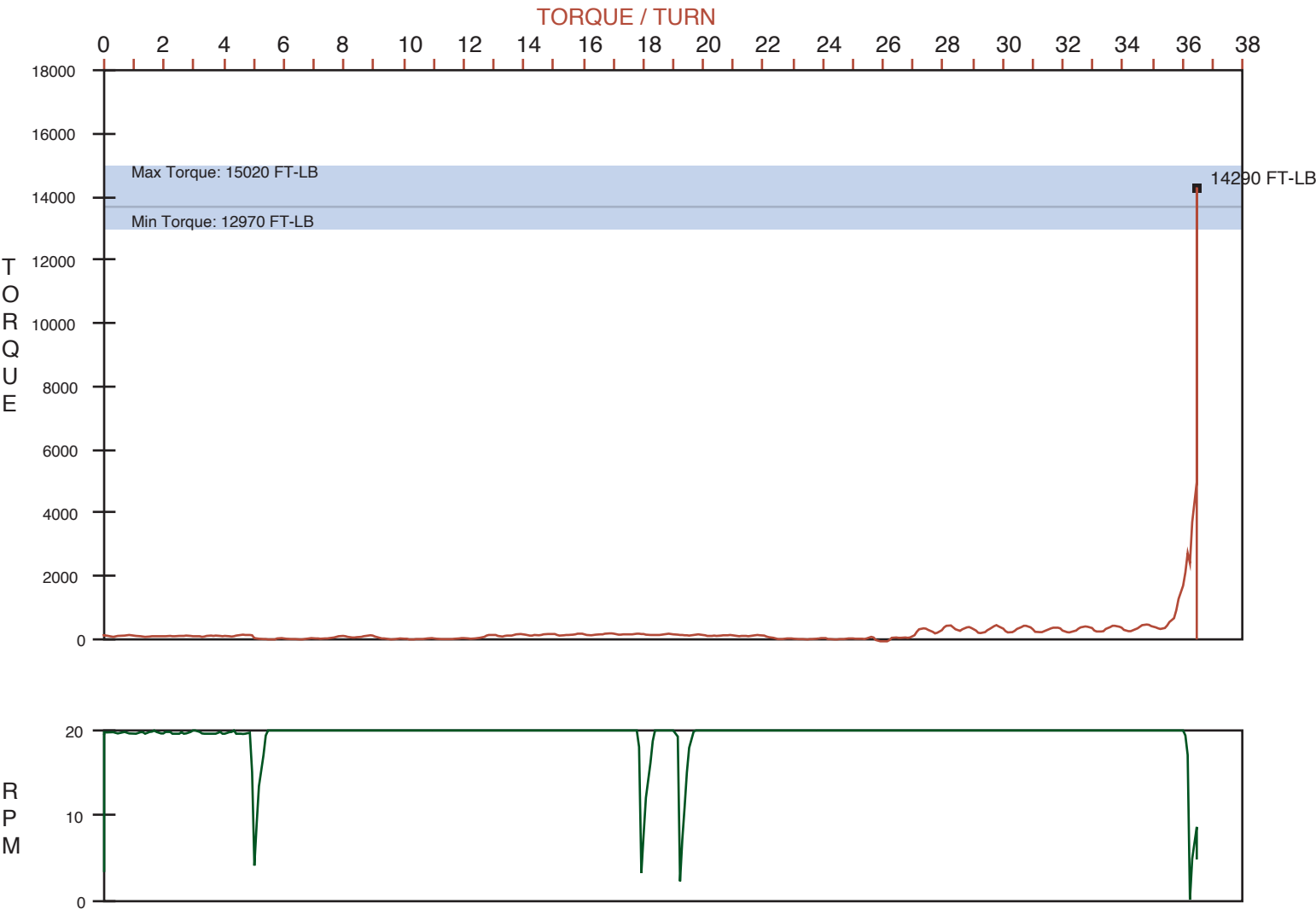
Joint #: 105

Count #: 105

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:28:43 AM	Heat/Lot#:	
Pipe Length:	35.564 ft		
Cumulative Length:	3959.712 ft		
Cumulative Weight:	90629.821 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14290 FT-LB
Final Turns:	36.457
Max RPM:	20.790
Delta Torque:	4110 FT-LB
Delta Turns:	0.017

Notes: joint 105



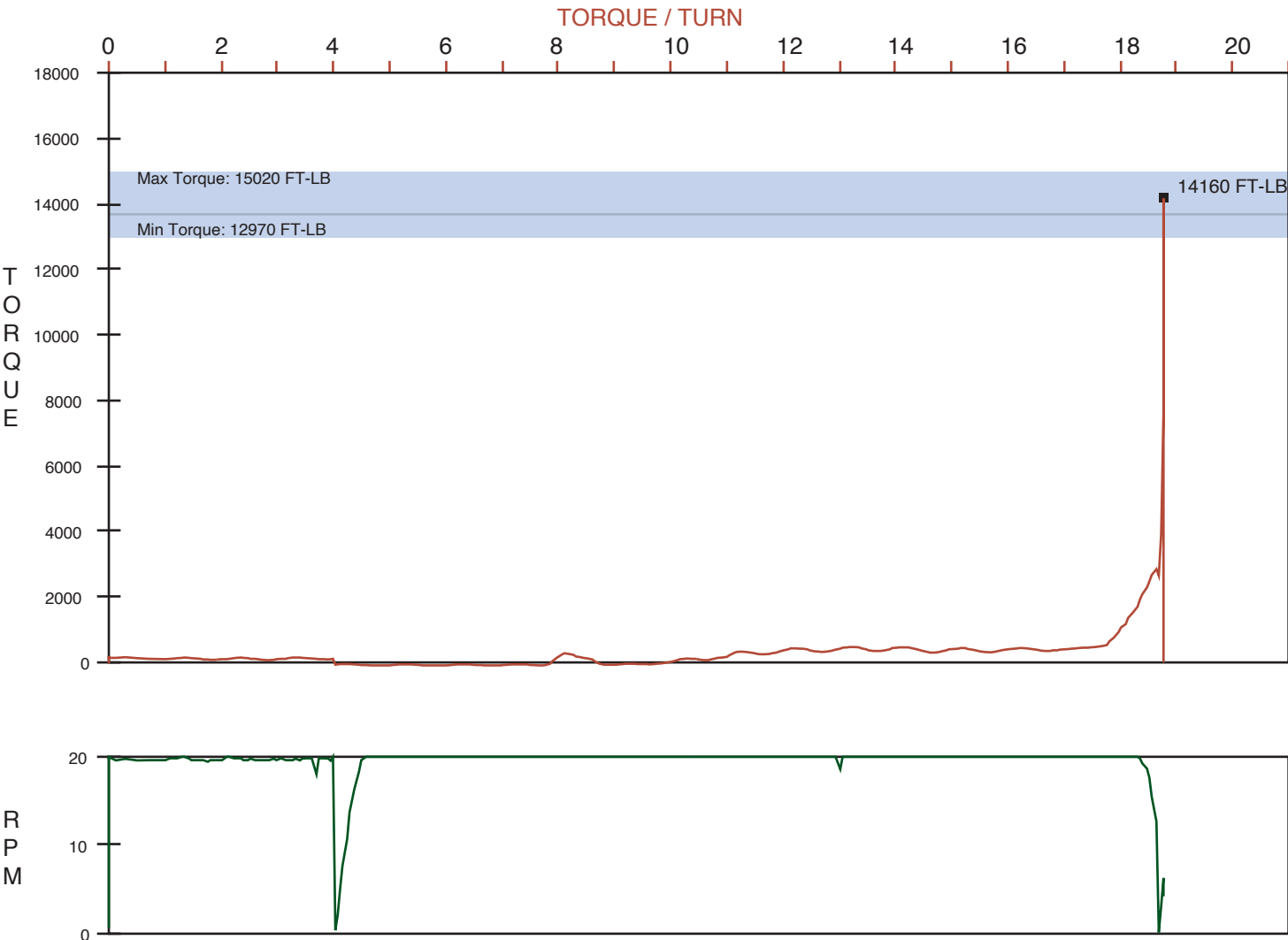
Joint #: 106

Count #: 106

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:32:54 AM	Heat/Lot#:	
Pipe Length:	35.023 ft		
Cumulative Length:	3994.735 ft		
Cumulative Weight:	91435.350 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14160 FT-LB
Final Turns:	18.786
Max RPM:	22.290
Delta Torque:	0 FT-LB
Delta Turns:	0

Notes: joint 106



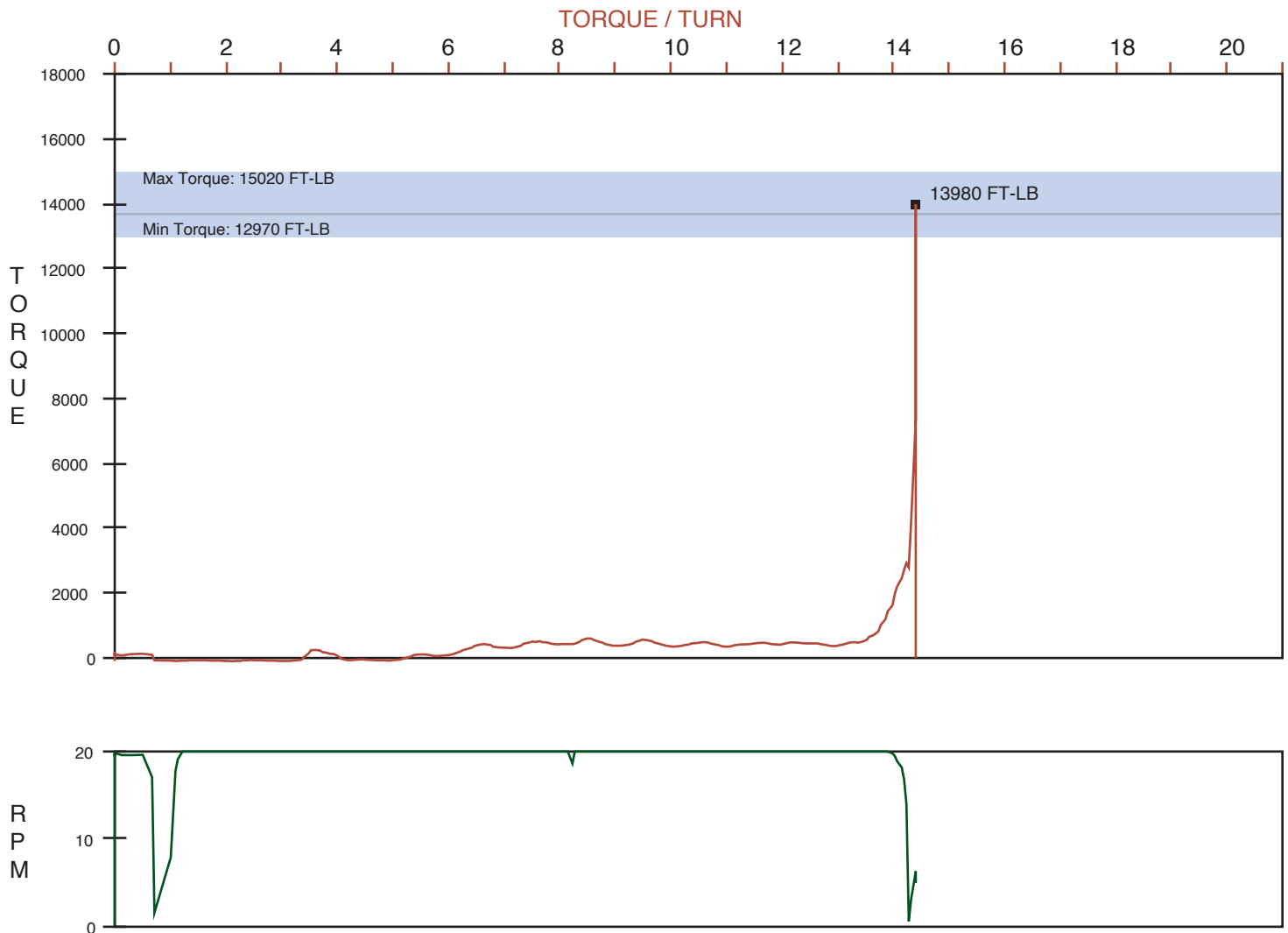


**Joint #: 107****Count #: 107**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 1:37:06 AM**

Heat/Lot#:

Pipe Length: **35.810 ft**Cumulative Length: **4030.545 ft**Cumulative Weight: **92258.980 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13980 FT-LB**Final Turns: **14.389**Max RPM: **22.290**Delta Torque: **8120 FT-LB**Delta Turns: **0.056**Notes: **joint 107**

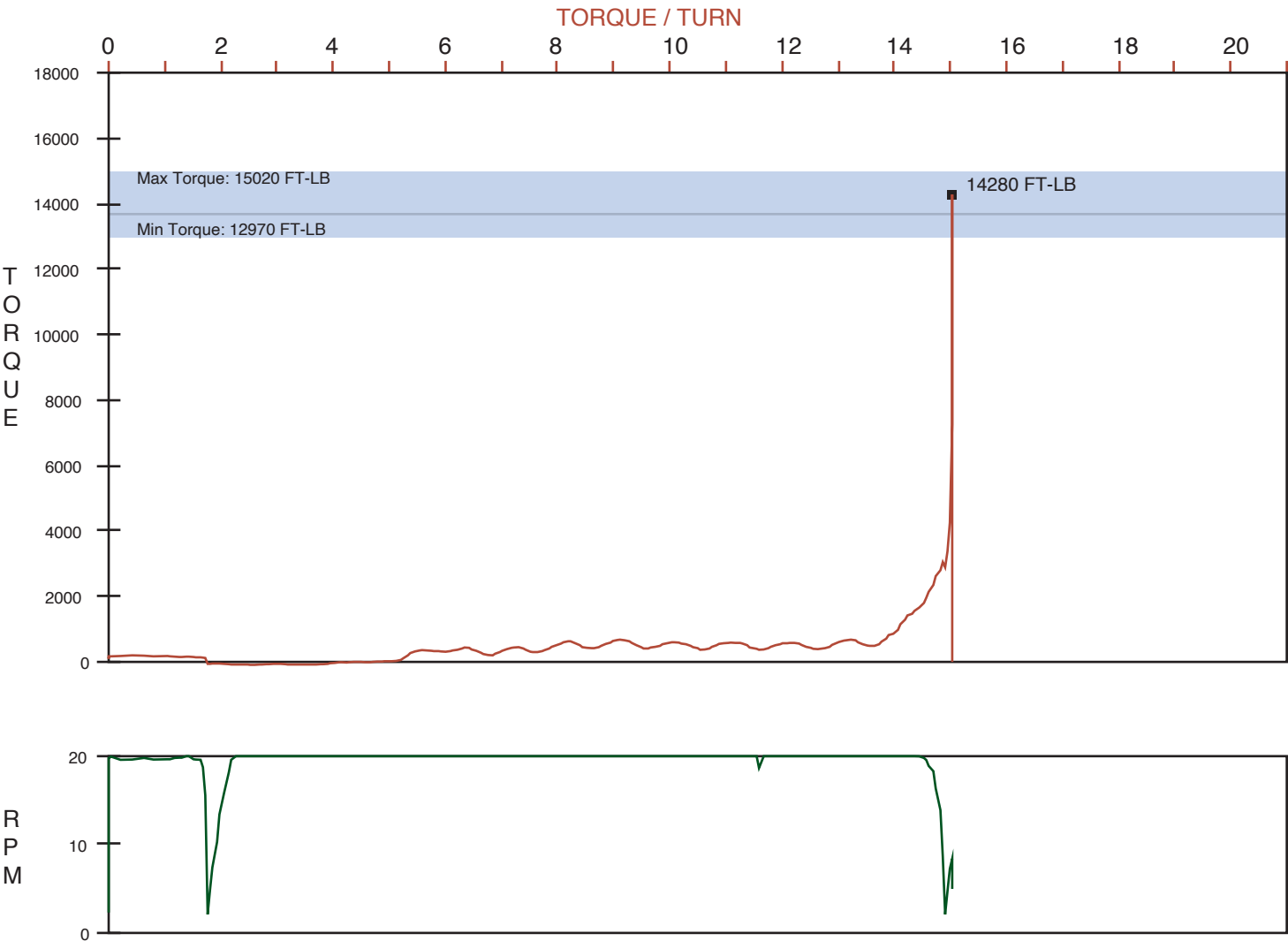
Joint #: 108

Count #: 108

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:40:38 AM	Heat/Lot#:	
Pipe Length:	37.854 ft		
Cumulative Length:	4068.399 ft		
Cumulative Weight:	93129.622 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

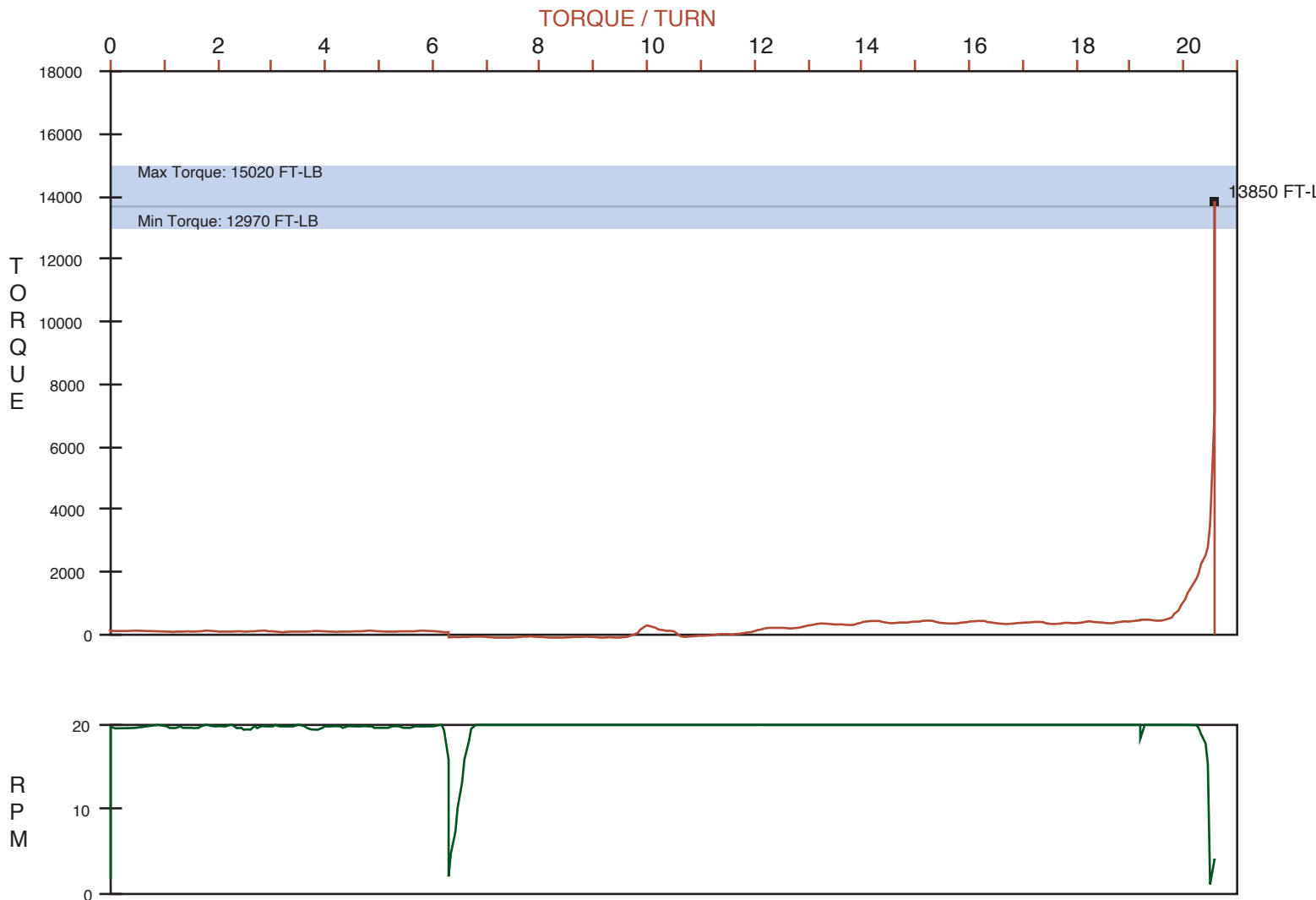
Final Torque:	14280 FT-LB
Final Turns:	15.049
Max RPM:	22.290
Delta Torque:	4690 FT-LB
Delta Turns:	0.019

Notes: joint 108



**Joint #: 109****Count #: 109**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:45:47 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	4106.260 ft		
Cumulative Weight:	94000.425 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

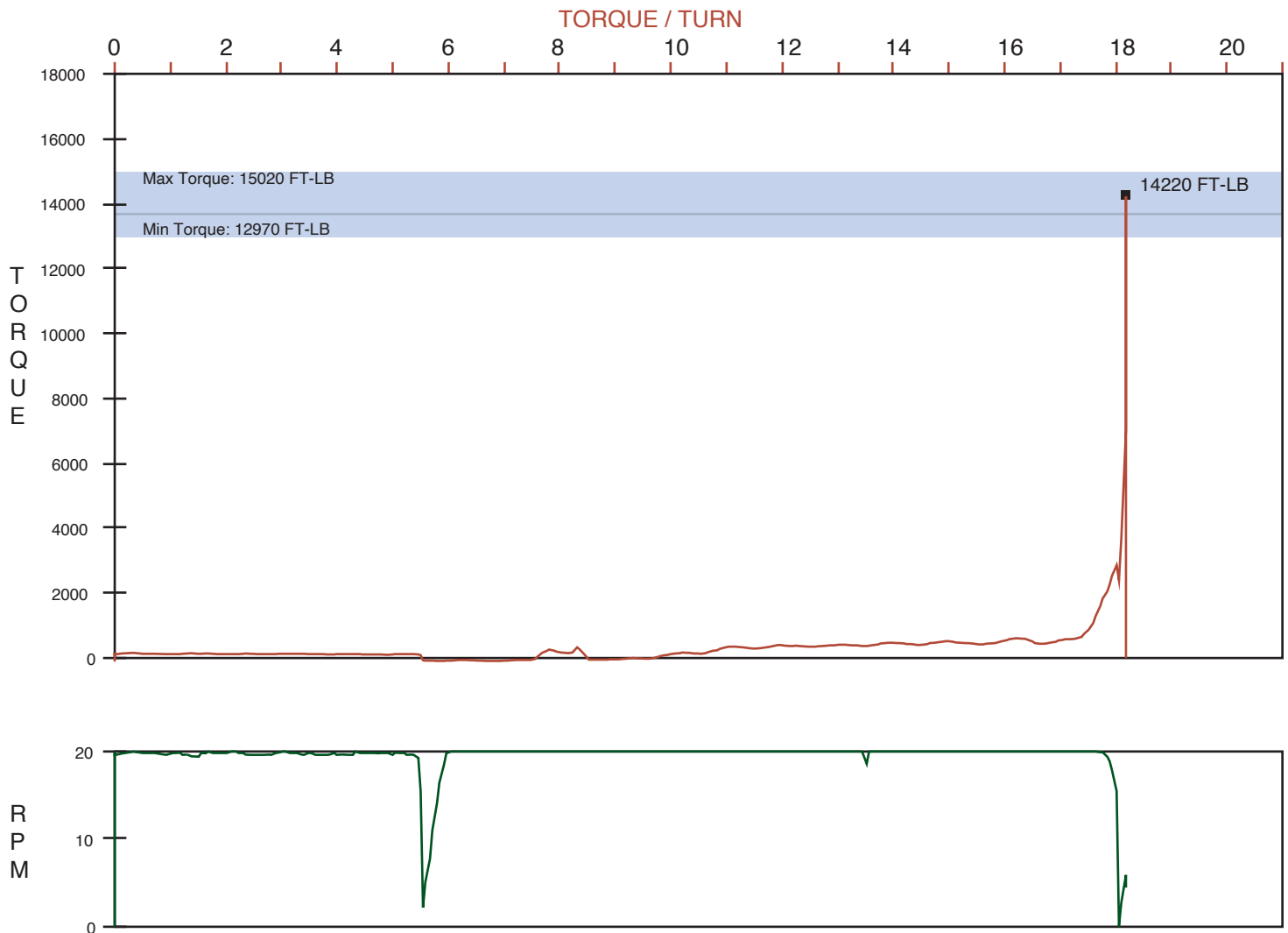
■ Final Torque: **13850 FT-LB**Final Turns: **20.567**Max RPM: **22.290**Delta Torque: **4270 FT-LB**Delta Turns: **0.019**Notes: **joint 109**

**Joint #: 110****Count #: 110**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 1:50:16 AM**

Heat/Lot#:

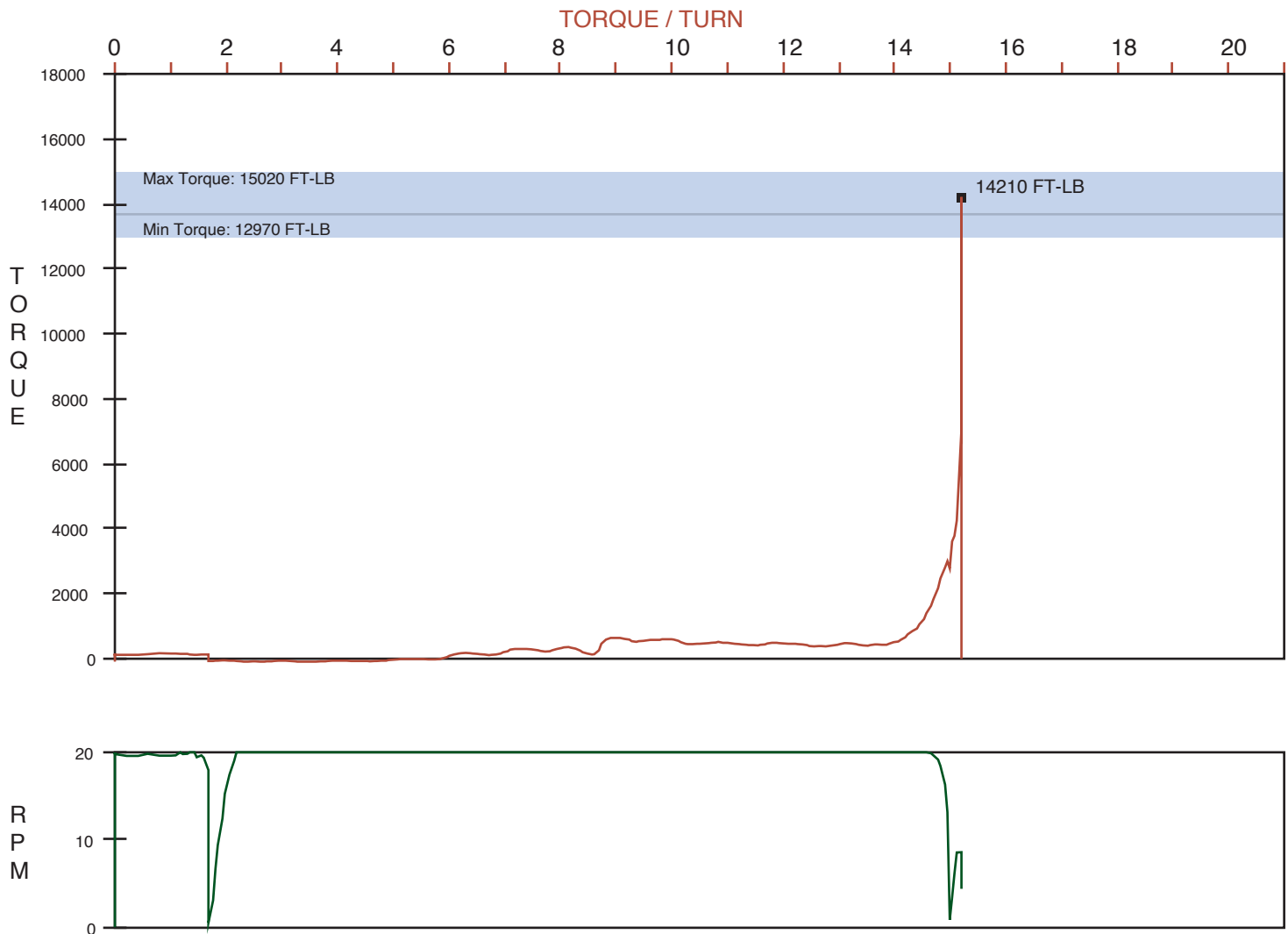
Pipe Length: **37.838 ft**Cumulative Length: **4144.098 ft**Cumulative Weight: **94870.699 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14220 FT-LB**Final Turns: **18.176**Max RPM: **22.290**Delta Torque: **7200 FT-LB**Delta Turns: **0.049**Notes: **joint 110**

**Joint #: 111****Count #: 111**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 1:55:56 AM**

Heat/Lot#:

Pipe Length: **36.155 ft**Cumulative Length: **4180.253 ft**Cumulative Weight: **95702.264 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14210 FT-LB**Final Turns: **15.186**Max RPM: **20.820**Delta Torque: **6020 FT-LB**Delta Turns: **0.034**Notes: **joint 111**

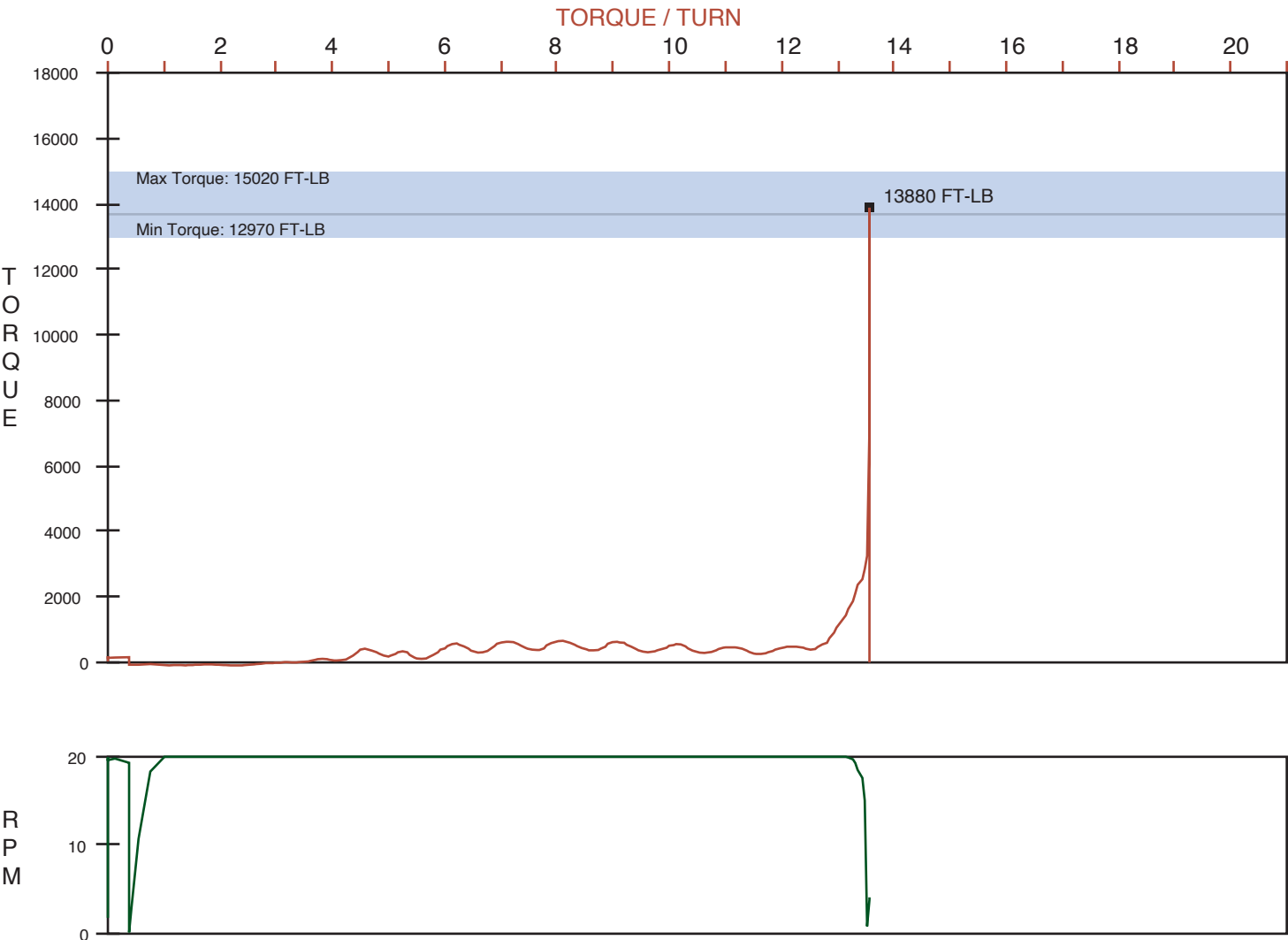
Joint #: 112

Count #: 112

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:59:31 AM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	4218.111 ft		
Cumulative Weight:	96572.998 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13880 FT-LB
Final Turns:	13.582
Max RPM:	20.790
Delta Torque:	3410 FT-LB
Delta Turns:	0.010

Notes: joint 112



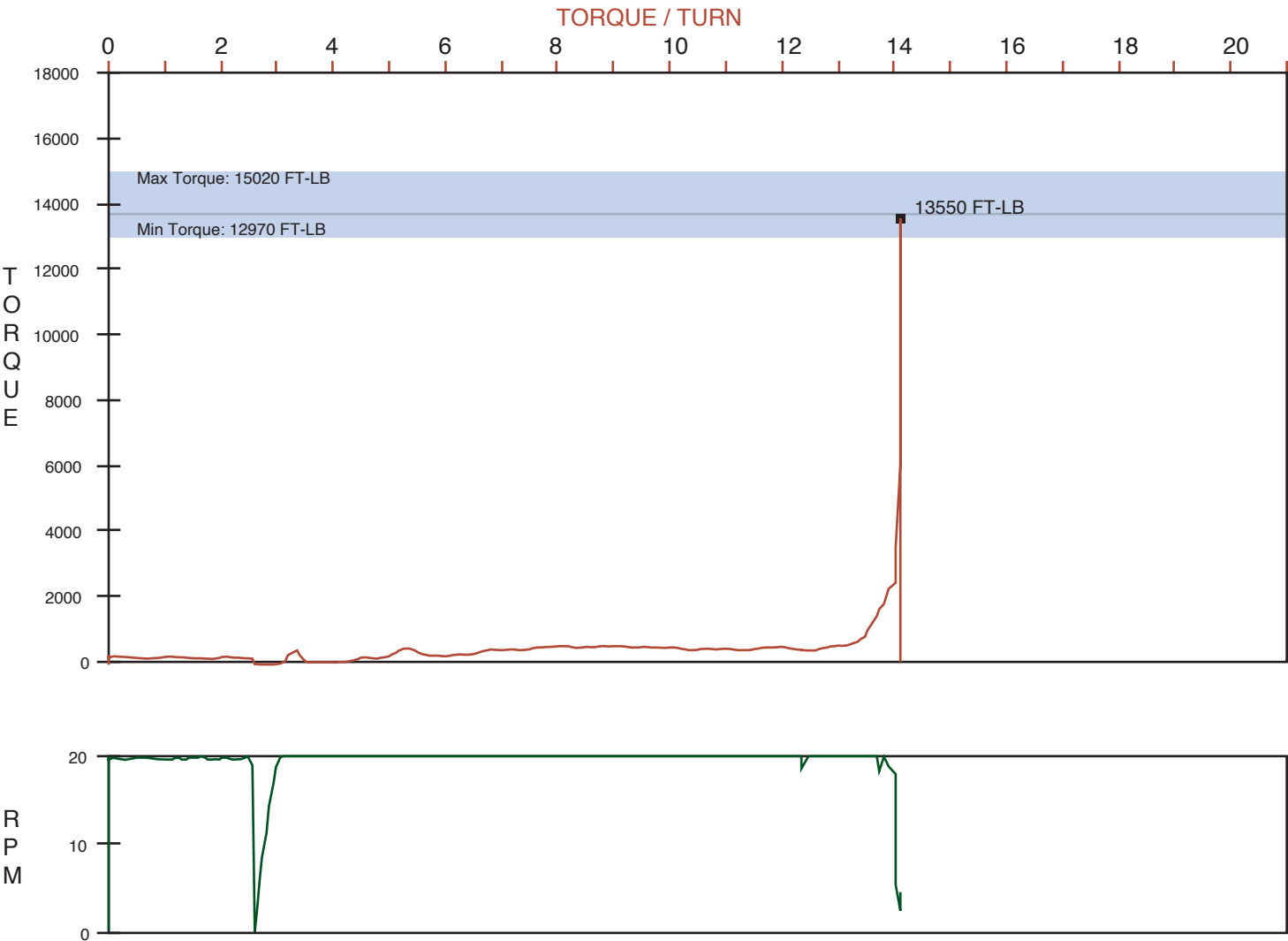
Joint #: 113

Count #: 113

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:03:09 AM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	4255.955 ft		
Cumulative Weight:	97443.410 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13550 FT-LB
Final Turns:	14.104
Max RPM:	22.350
Delta Torque:	7530 FT-LB
Delta Turns:	0.038

Notes: joint 113

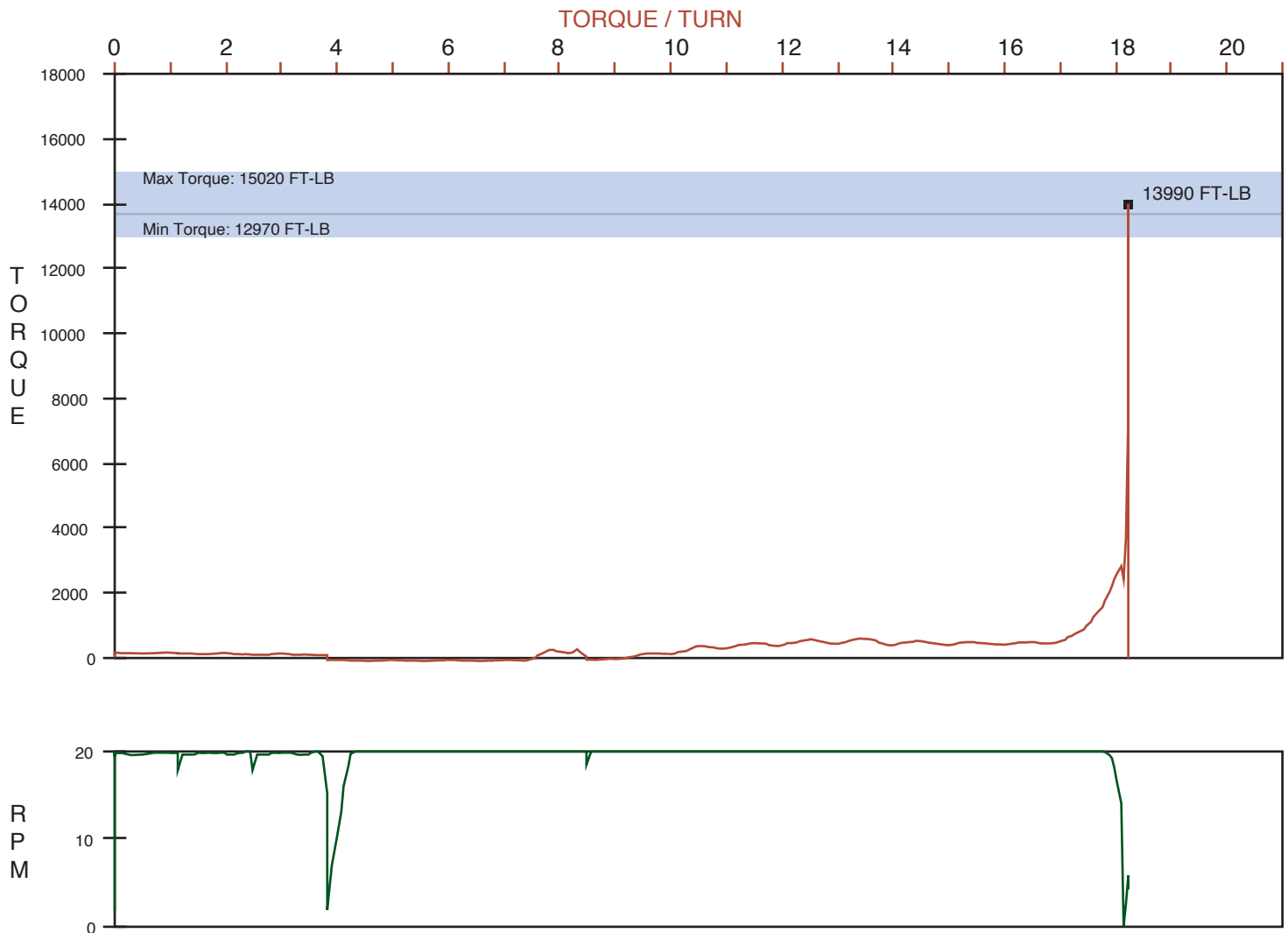


**Joint #: 114****Count #: 114**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:07:21 AM**

Heat/Lot#:

Pipe Length: **34.911 ft**Cumulative Length: **4290.866 ft**Cumulative Weight: **98246.363 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13990 FT-LB**Final Turns: **18.240**Max RPM: **22.410**Delta Torque: **4180 FT-LB**Delta Turns: **0.021**Notes: **joint 114**



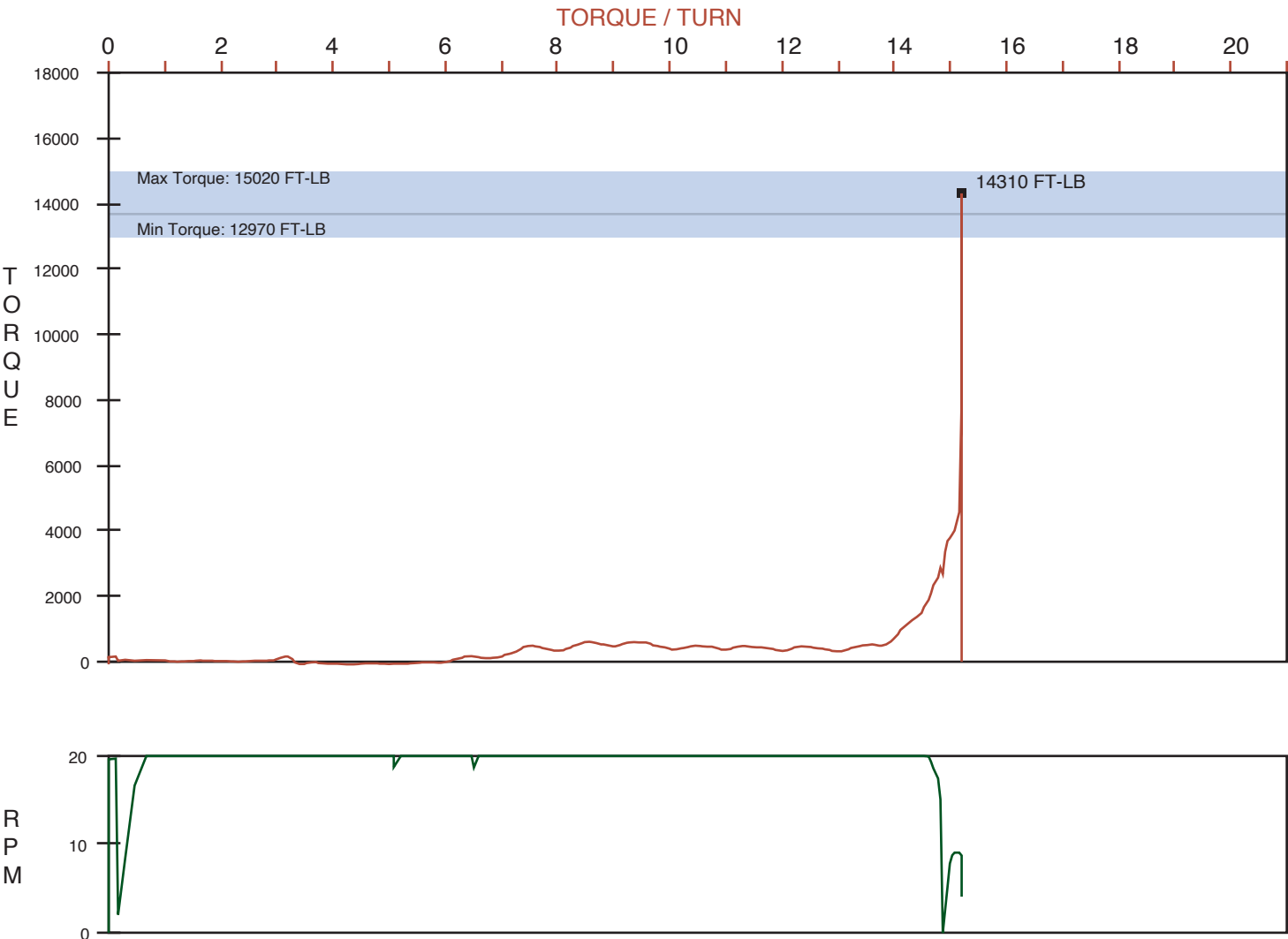
Joint #: 115

Count #: 115

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:11:12 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	4328.727 ft		
Cumulative Weight:	99117.166 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14310 FT-LB
Final Turns:	15.202
Max RPM:	22.440
Delta Torque:	4770 FT-LB
Delta Turns:	0.017

Notes: joint 115



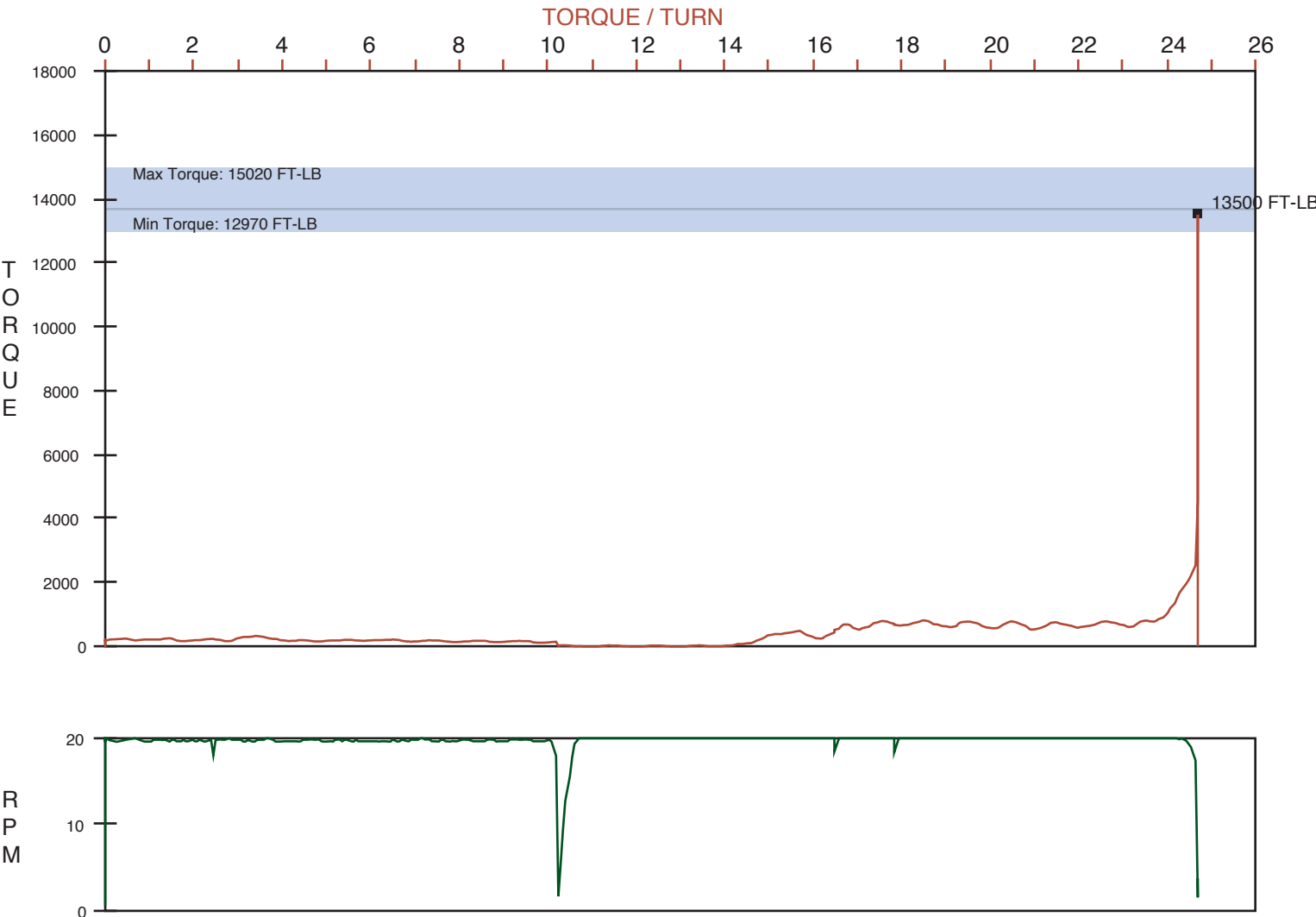
Joint #: 116

Count #: 116

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:15:57 AM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	4366.585 ft		
Cumulative Weight:	99987.900 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13500 FT-LB
Final Turns:	24.720
Max RPM:	22.290
Delta Torque:	6330 FT-LB
Delta Turns:	0.040

Notes: joint 116



**Joint #: 117****Count #: 117**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:20:00 AM	Heat/Lot#:	
Pipe Length:	35.203 ft		
Cumulative Length:	4401.788 ft		
Cumulative Weight:	100797.569 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14460 FT-LB

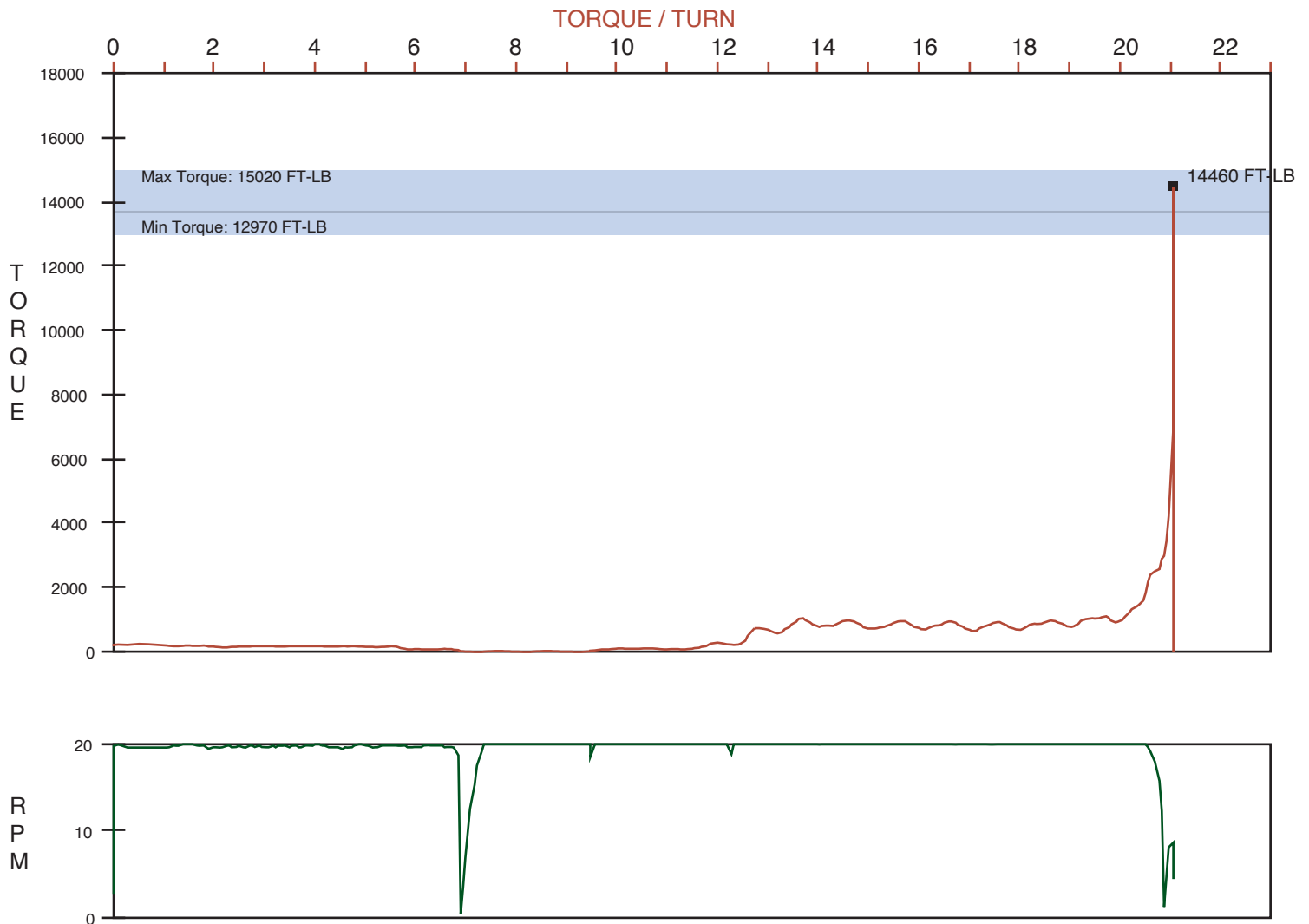
Final Turns: 21.056

Max RPM: 22.440

Delta Torque: 4840 FT-LB

Delta Turns: 0.022

Notes: joint 117



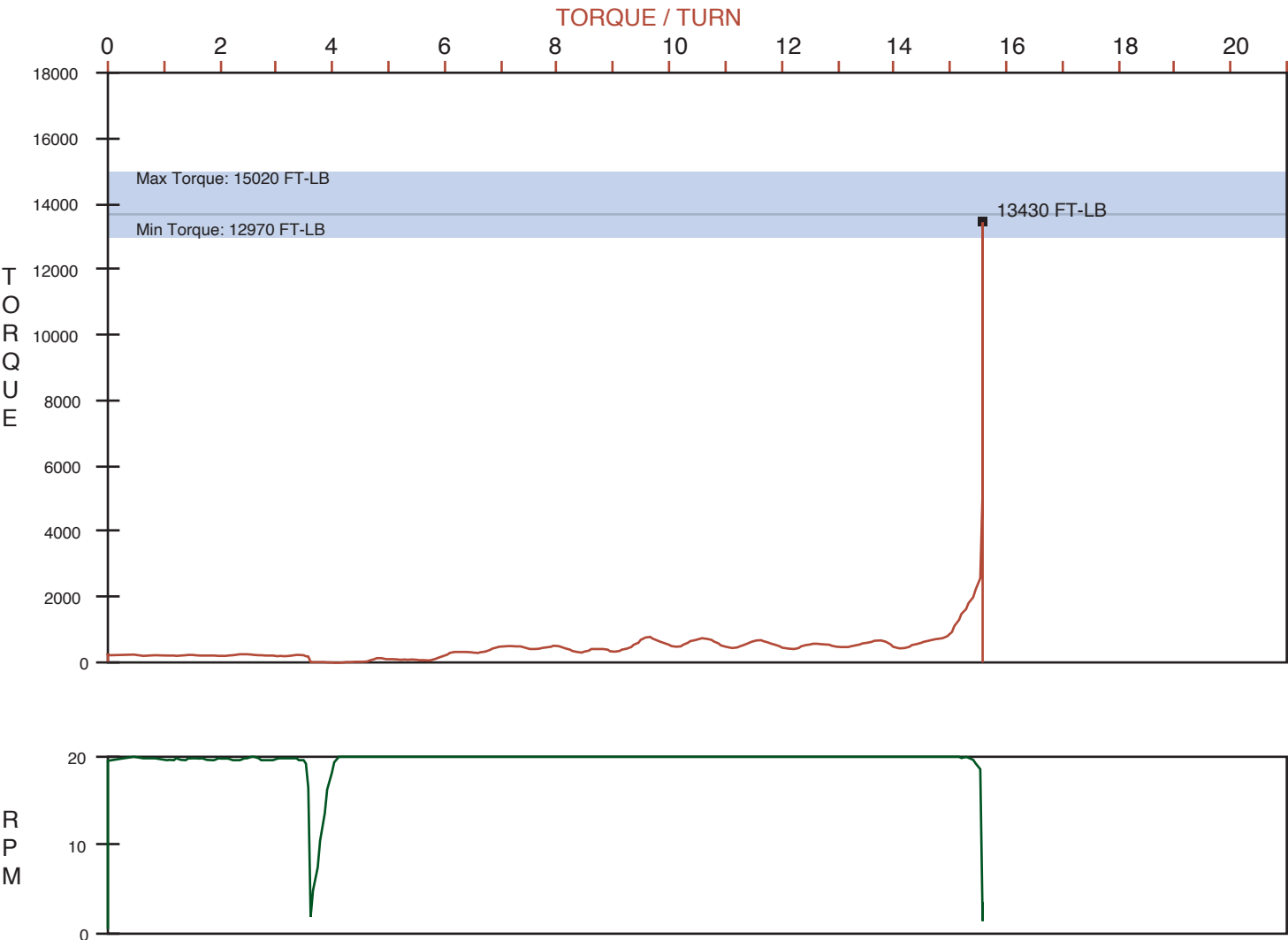
Joint #: 118

Count #: 118

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:24:02 AM	Heat/Lot#:	
Pipe Length:	37.874 ft		
Cumulative Length:	4439.662 ft		
Cumulative Weight:	101668.671 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13430 FT-LB
Final Turns:	15.584
Max RPM:	20.790
Delta Torque:	6870 FT-LB
Delta Turns:	0.037

Notes: joint 118



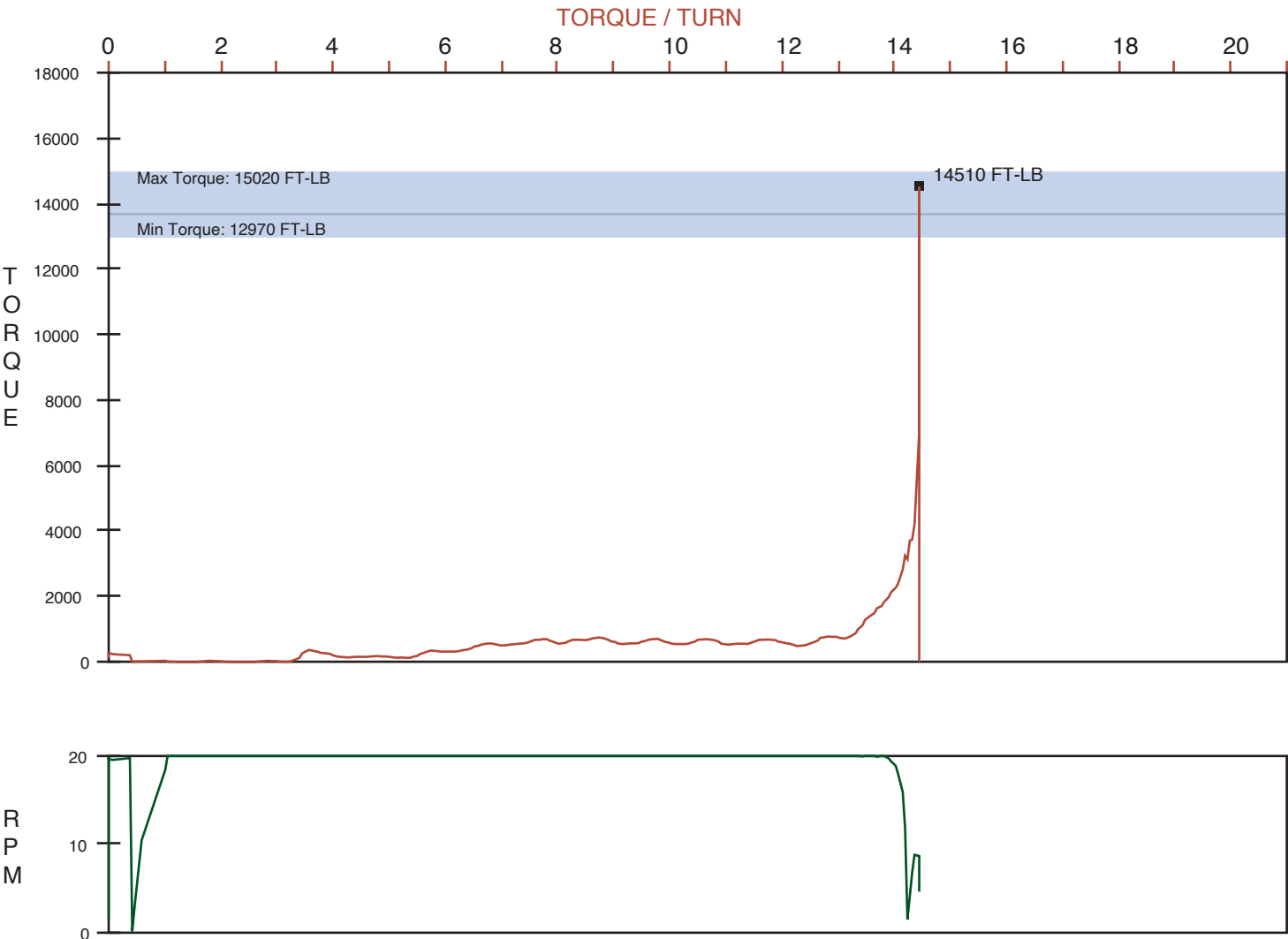
Joint #: 119

Count #: 119

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:28:09 AM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	4477.520 ft		
Cumulative Weight:	102539.405 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14510 FT-LB
Final Turns:	14.43
Max RPM:	20.790
Delta Torque:	5100 FT-LB
Delta Turns:	0.025

Notes: joint 119

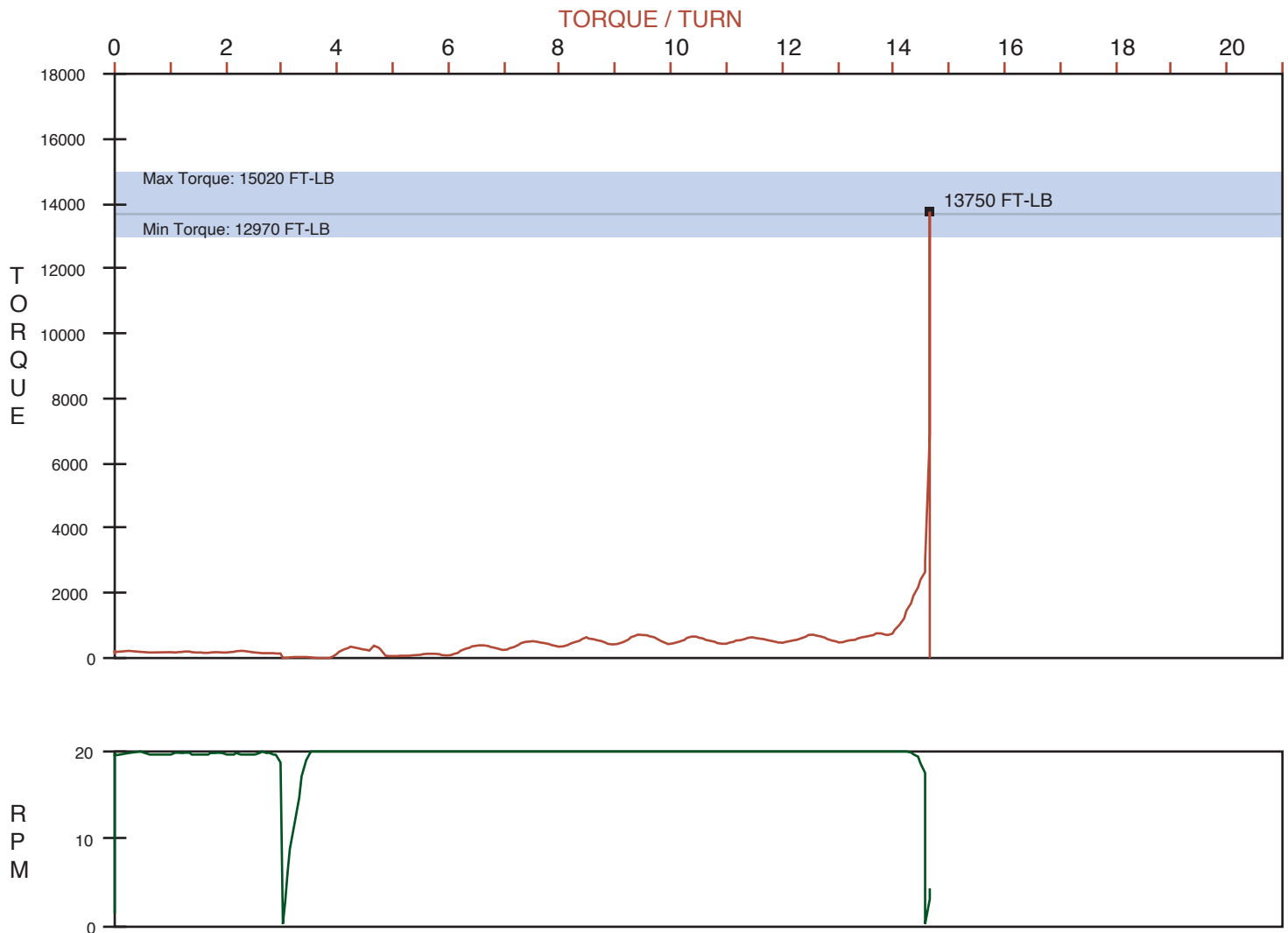


**Joint #: 120****Count #: 120**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:31:37 AM**

Heat/Lot#:

Pipe Length: **37.877 ft**Cumulative Length: **4515.397 ft**Cumulative Weight: **103410.576 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13750 FT-LB**Final Turns: **14.652**Max RPM: **20.730**Delta Torque: **2810 FT-LB**Delta Turns: **0.005**Notes: **joint 120**

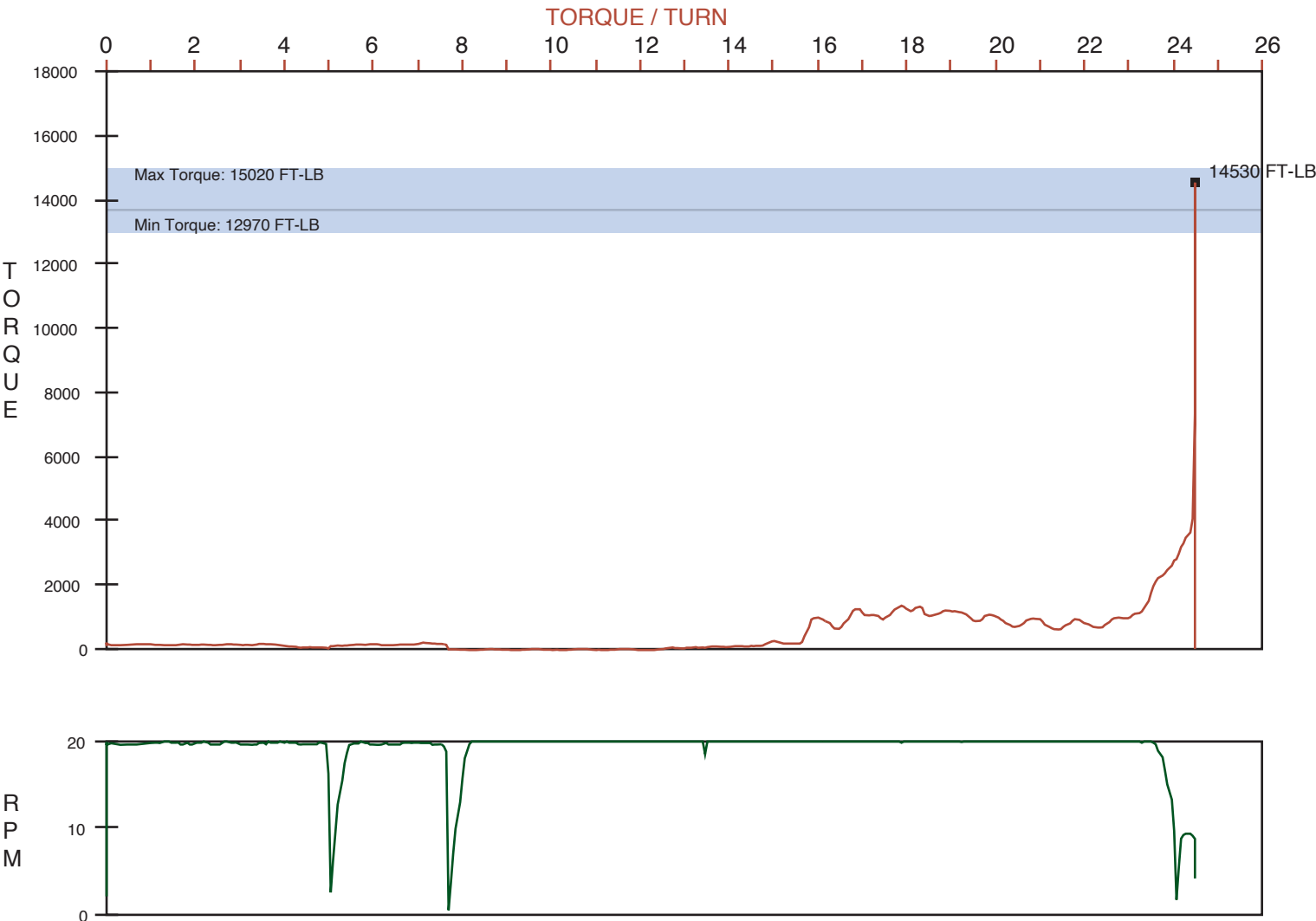
Joint #: 121

Count #: 121

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:50:03 AM	Heat/Lot#:	
Pipe Length:	34.304 ft		
Cumulative Length:	4549.701 ft		
Cumulative Weight:	104199.568 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14530 FT-LB
Final Turns:	24.496
Max RPM:	22.410
Delta Torque:	4410 FT-LB
Delta Turns:	0.019

Notes: joint 121

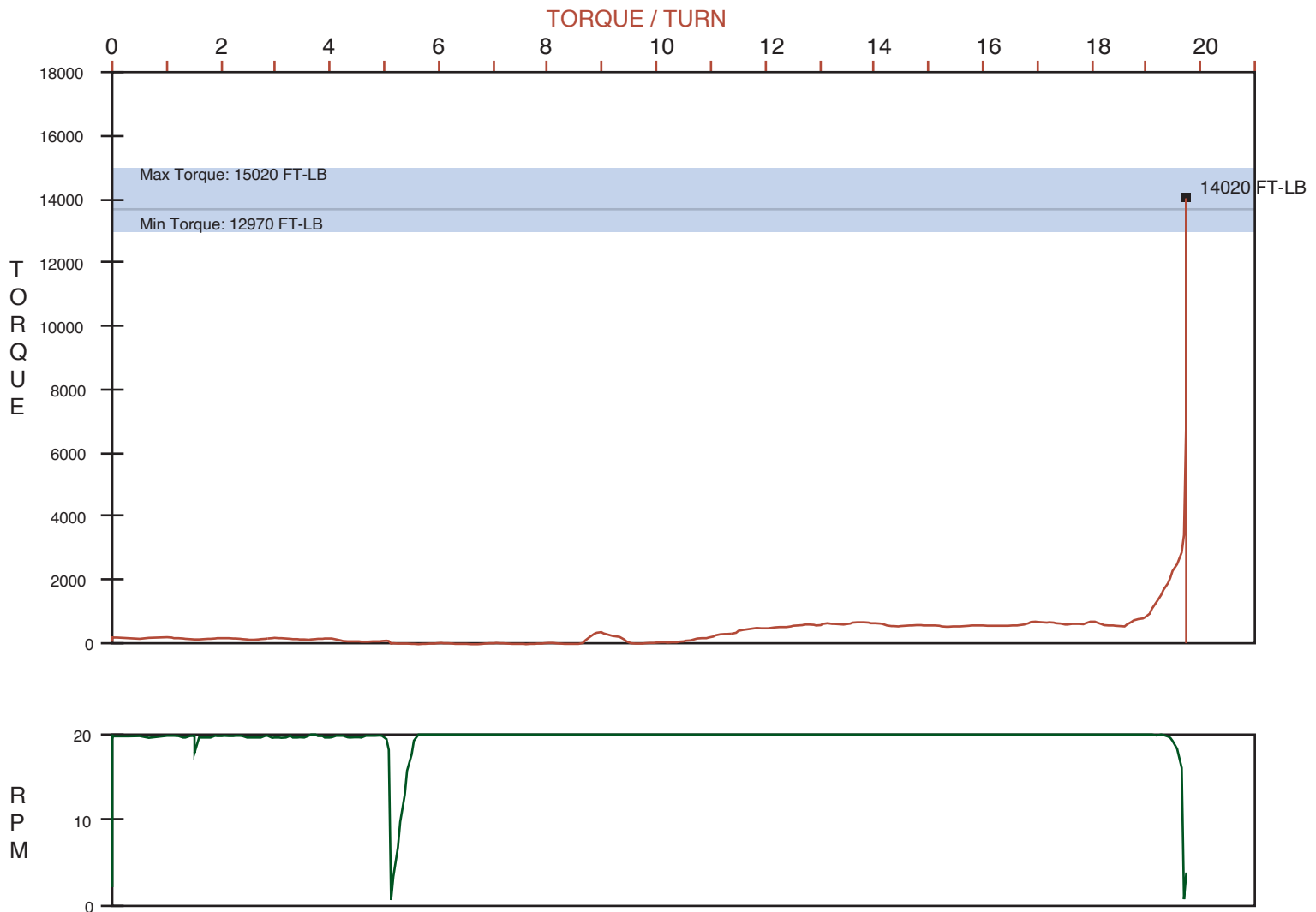


**Joint #: 122****Count #: 122**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:54:10 AM	Heat/Lot#:	
Pipe Length:	35.564 ft		
Cumulative Length:	4585.265 ft		
Cumulative Weight:	105017.540 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14020 FT-LB
Final Turns:	19.752
Max RPM:	21.840
Delta Torque:	5890 FT-LB
Delta Turns:	0.041

Notes: joint 122



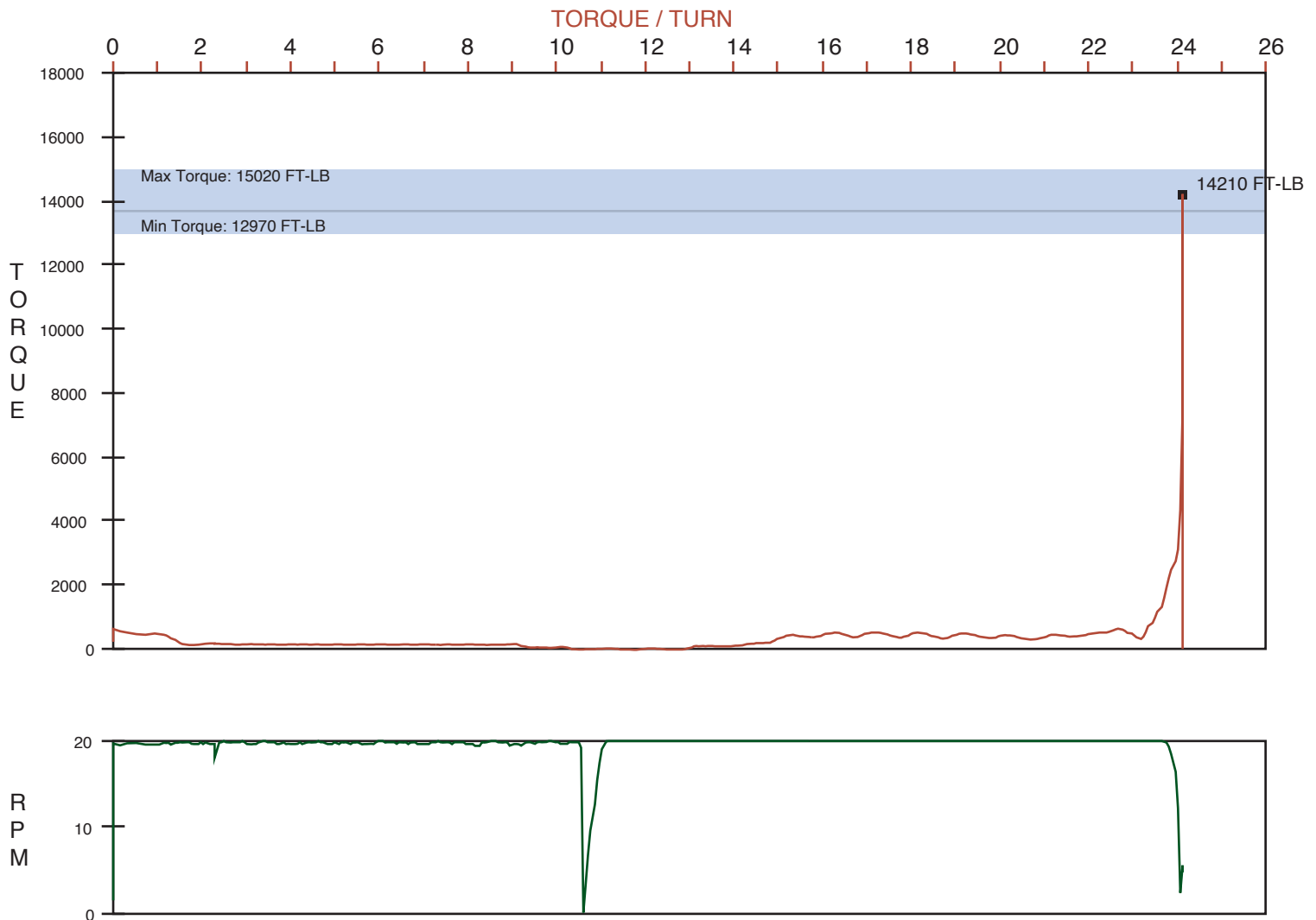


**Joint #: 123****Count #: 123**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:03:57 AM**

Heat/Lot#:

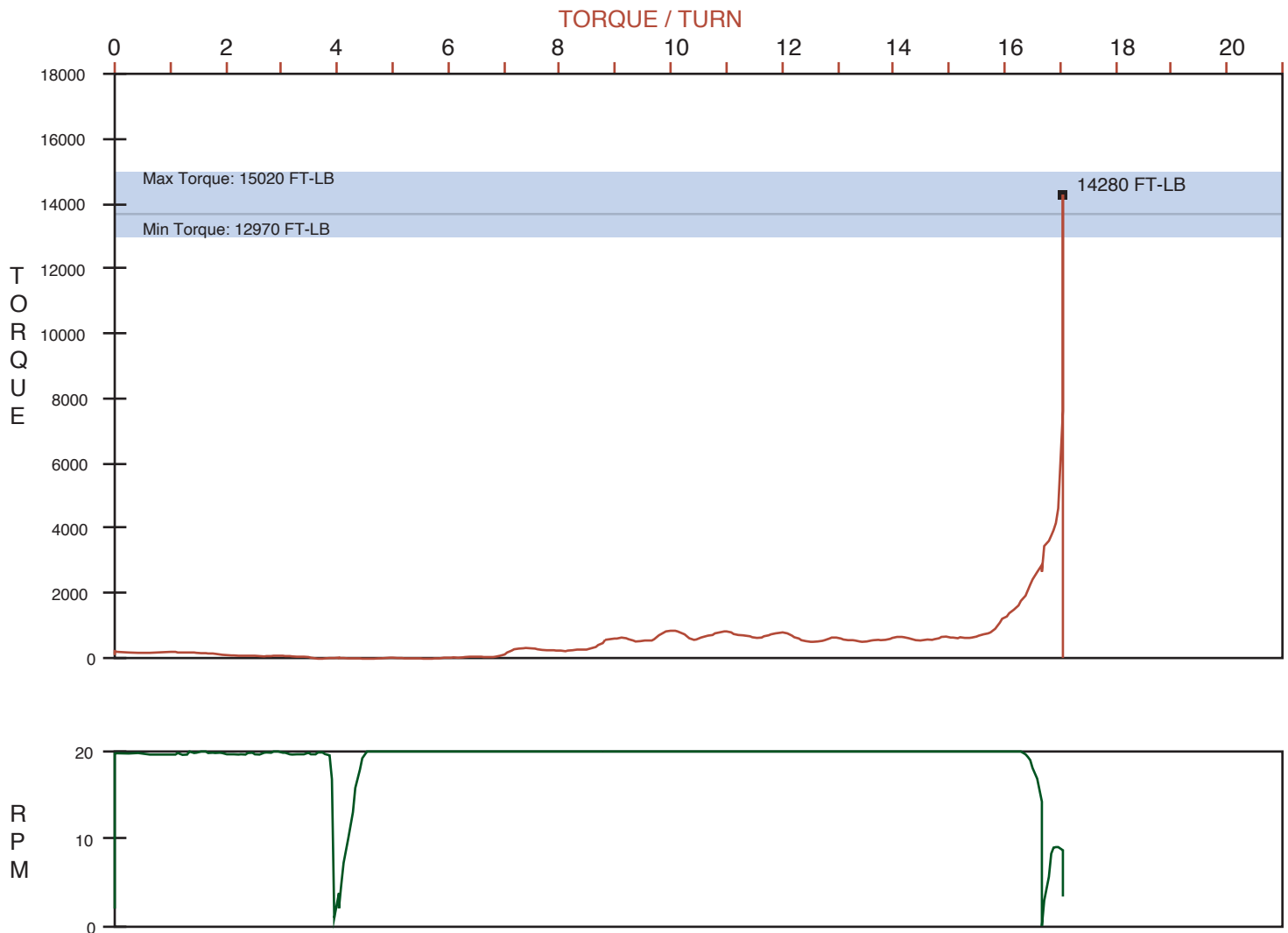
Pipe Length: **37.861 ft**Cumulative Length: **4623.126 ft**Cumulative Weight: **105888.343 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14210 FT-LB**Final Turns: **24.13**Max RPM: **21.630**Delta Torque: **6760 FT-LB**Delta Turns: **0.054**Notes: **joint 123**

**Joint #: 124****Count #: 124**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:08:08 AM**

Heat/Lot#:

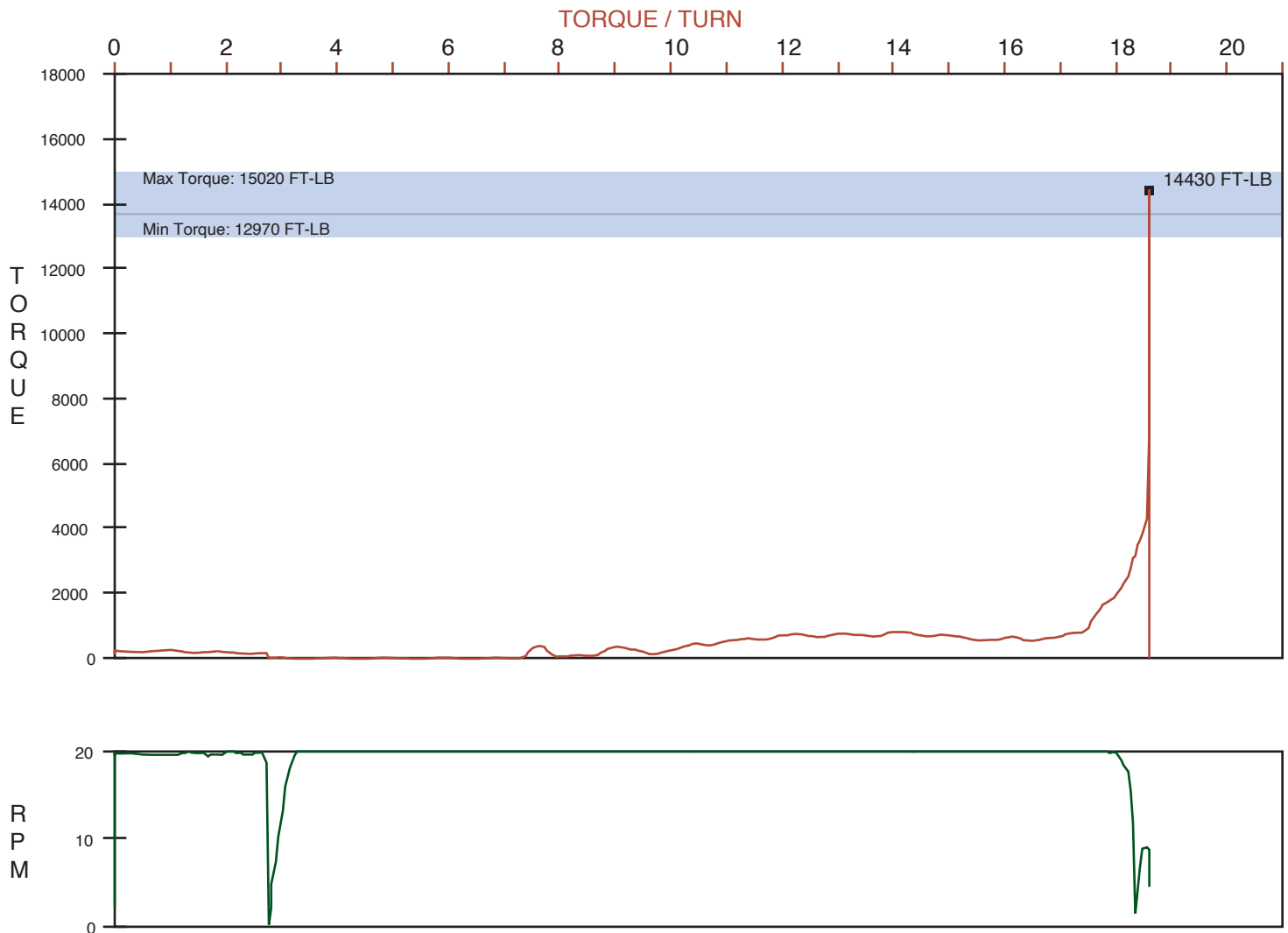
Pipe Length: **37.661 ft**Cumulative Length: **4660.787 ft**Cumulative Weight: **106754.546 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14280 FT-LB**Final Turns: **17.031**Max RPM: **20.820**Delta Torque: **6670 FT-LB**Delta Turns: **0.044**Notes: **joint 124**

**Joint #: 125****Count #: 125**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:12:53 AM	Heat/Lot#:	
Pipe Length:	35.817 ft		
Cumulative Length:	4696.604 ft		
Cumulative Weight:	107578.337 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14430 FT-LB
Final Turns:	18.614
Max RPM:	20.790
Delta Torque:	7450 FT-LB
Delta Turns:	0.049

Notes: joint 125

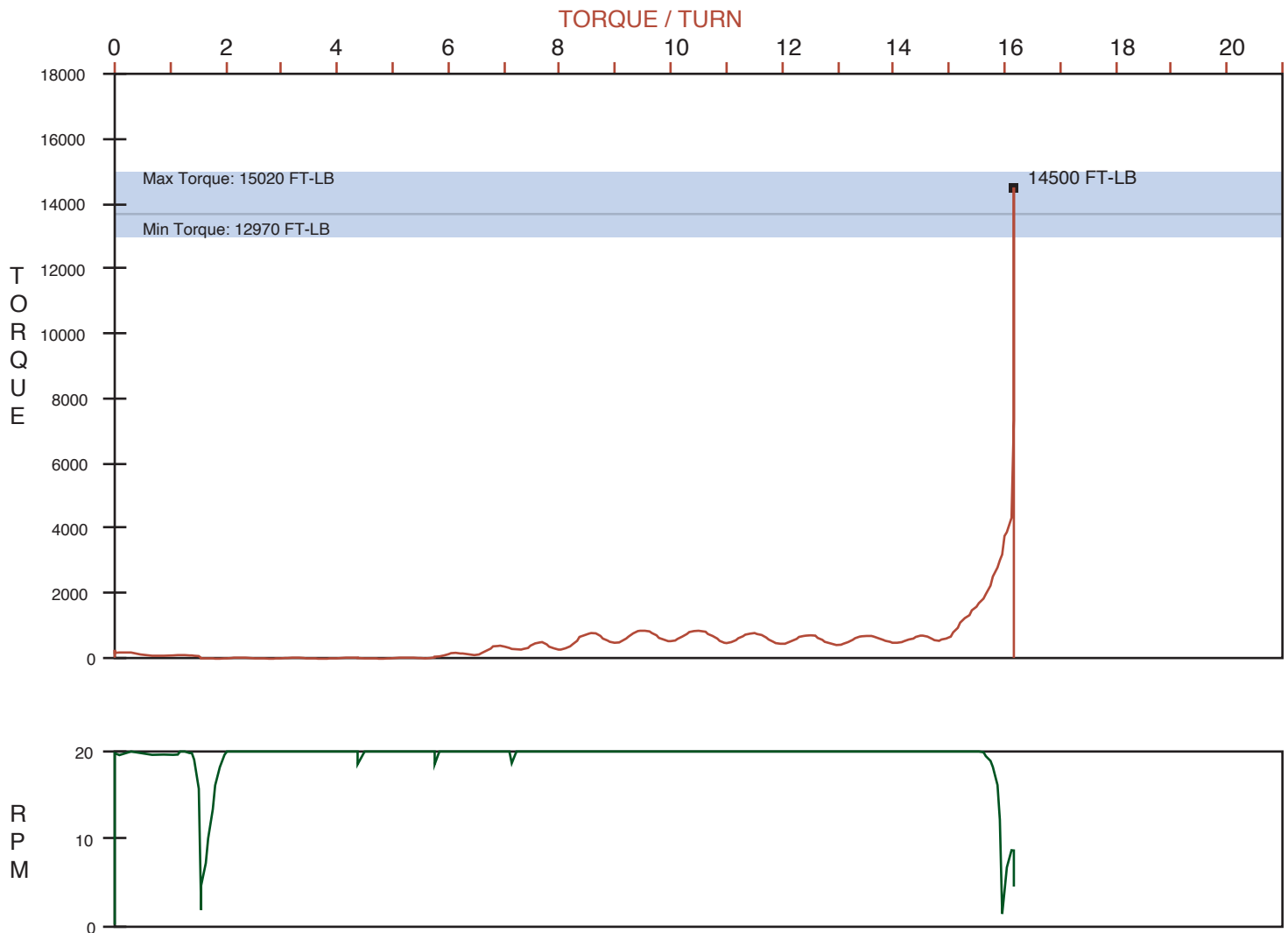


**Joint #: 126****Count #: 126**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:16:53 AM**

Heat/Lot#:

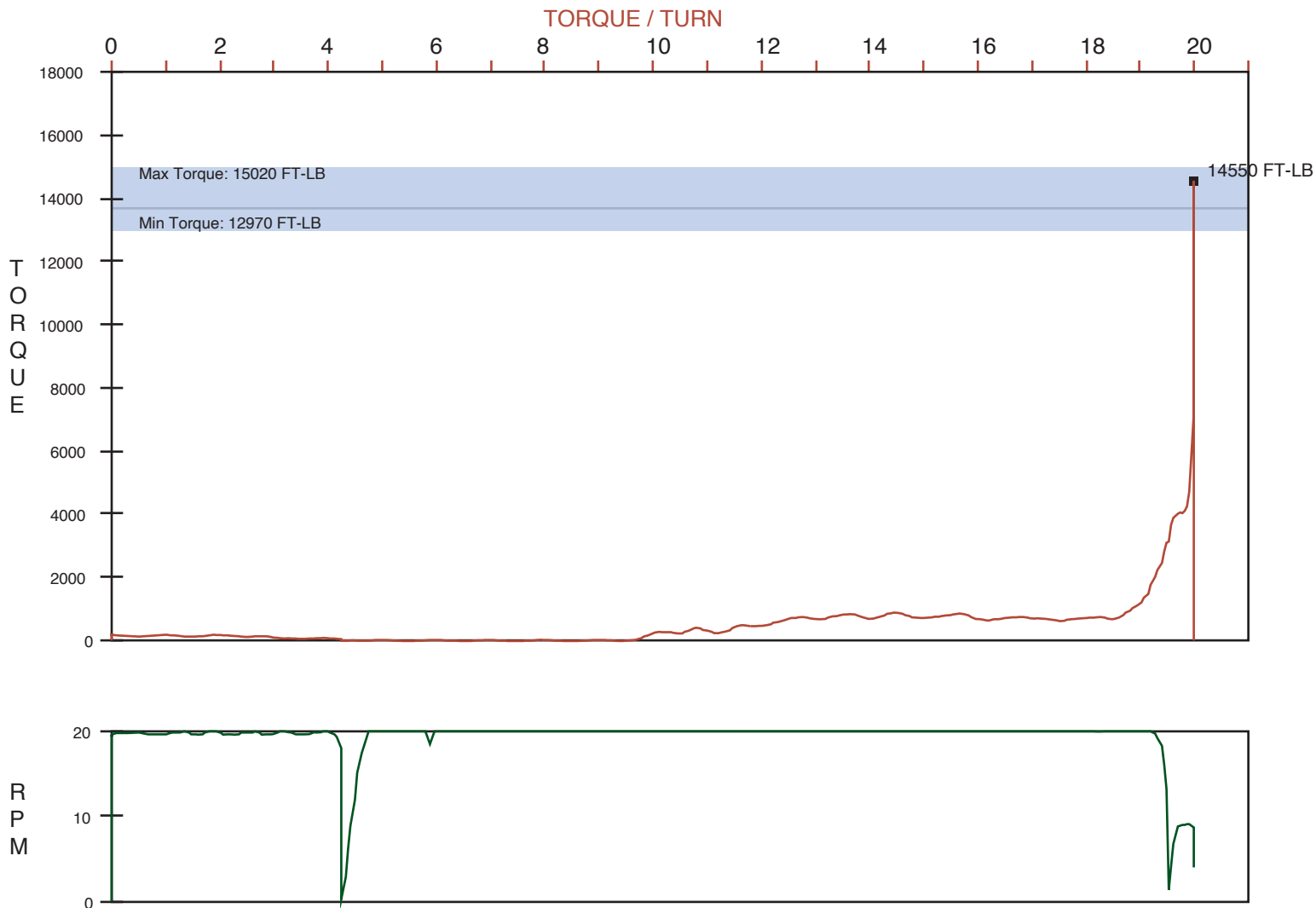
Pipe Length: **37.828 ft**Cumulative Length: **4734.432 ft**Cumulative Weight: **108448.381 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14500 FT-LB**Final Turns: **16.174**Max RPM: **22.440**Delta Torque: **5750 FT-LB**Delta Turns: **0.024**Notes: **joint 126**

**Joint #: 127****Count #: 127**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:21:51 AM	Heat/Lot#:	
Pipe Length:	37.841 ft		
Cumulative Length:	4772.273 ft		
Cumulative Weight:	109318.724 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14550 FT-LB
Final Turns:	19.982
Max RPM:	22.440
Delta Torque:	4970 FT-LB
Delta Turns:	0.017

Notes: joint 127



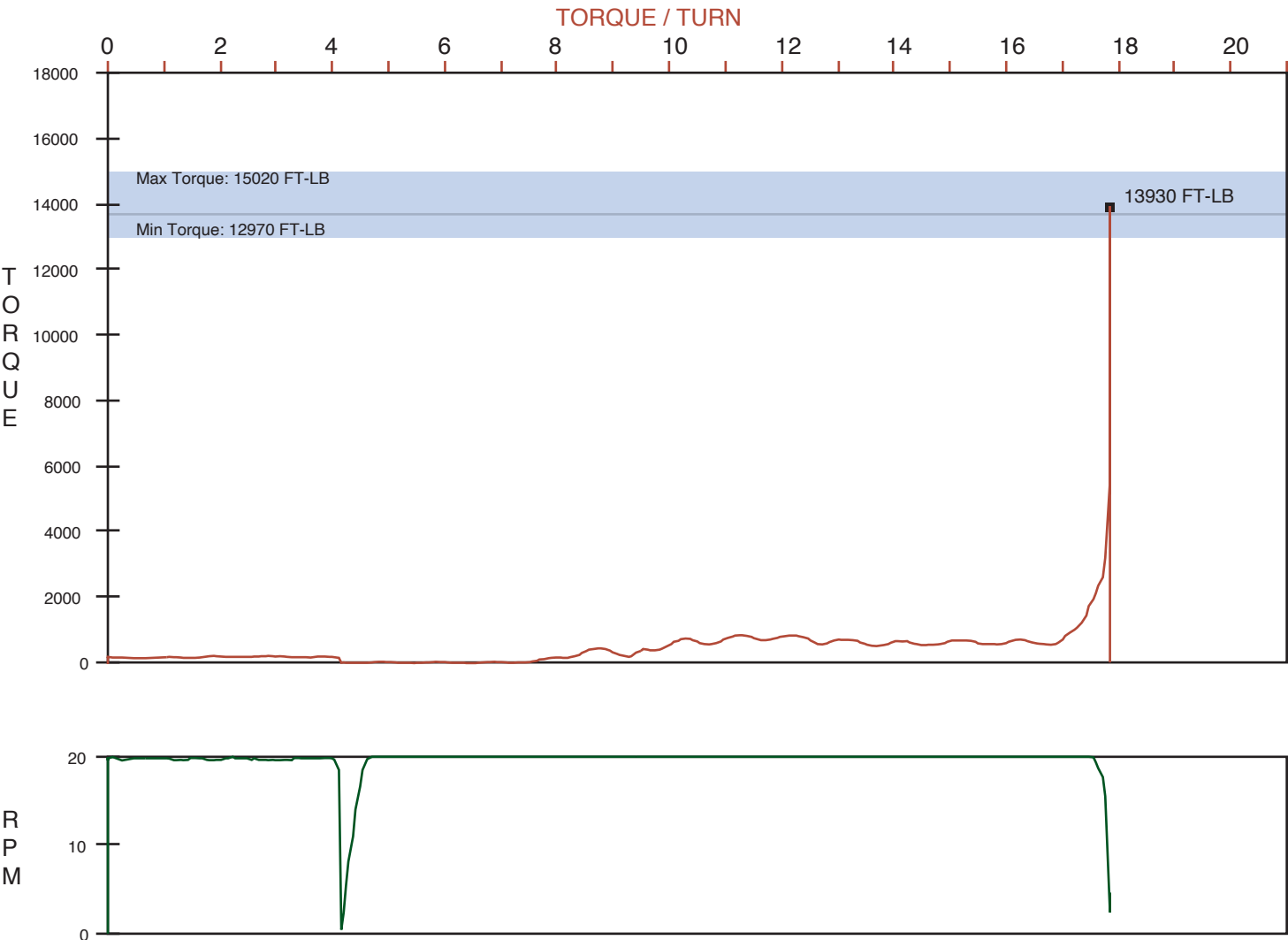
Joint #: 128

Count #: 128

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:26:18 AM	Heat/Lot#:	
Pipe Length:	37.838 ft		
Cumulative Length:	4810.111 ft		
Cumulative Weight:	110188.998 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13930 FT-LB
Final Turns:	17.838
Max RPM:	20.820
Delta Torque:	11430 FT-LB
Delta Turns:	0.094

Notes: joint 128

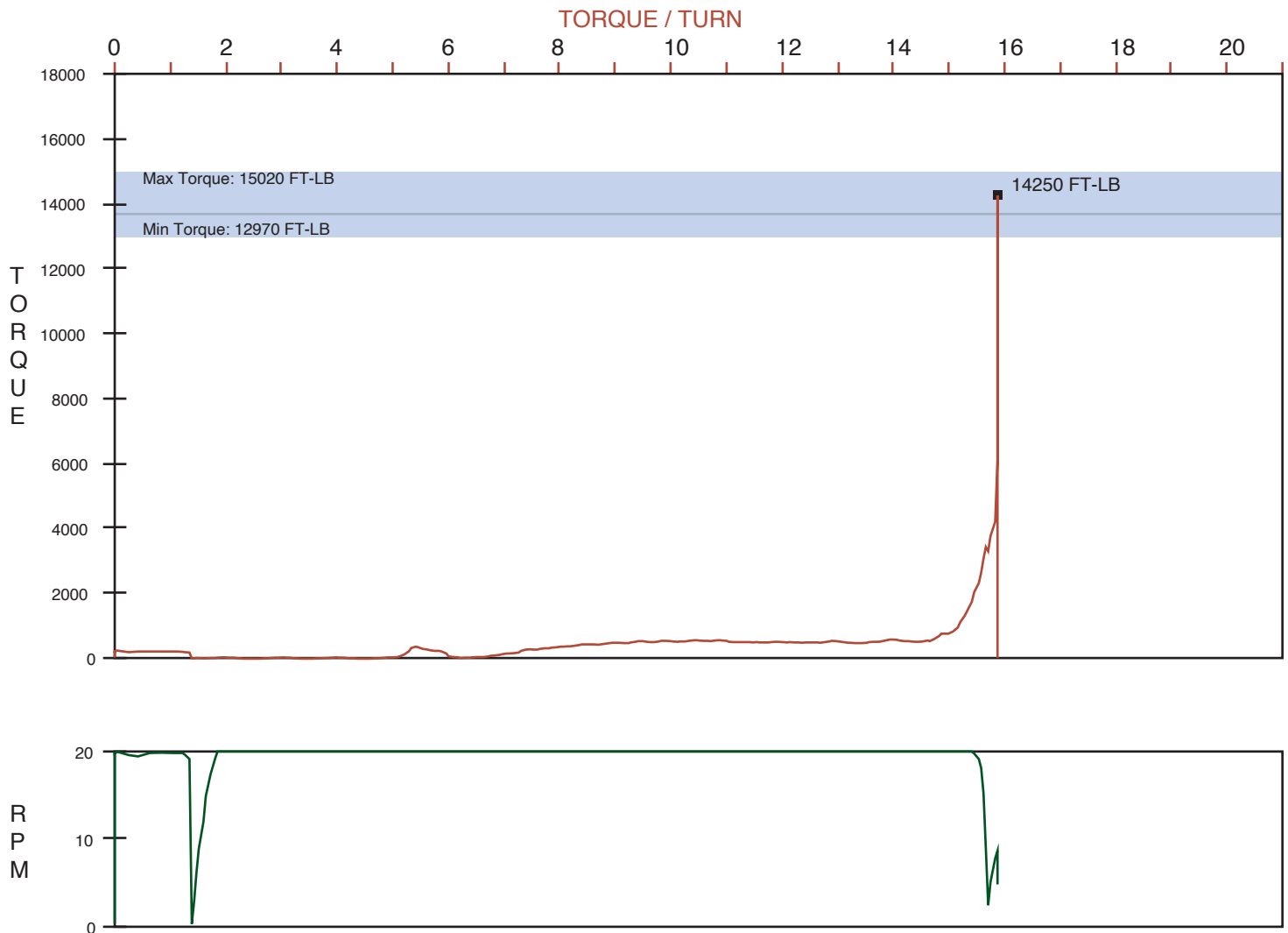


**Joint #: 129****Count #: 129**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:30:28 AM**

Heat/Lot#:

Pipe Length: **37.851 ft**Cumulative Length: **4847.962 ft**Cumulative Weight: **111059.571 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14250 FT-LB**Final Turns: **15.886**Max RPM: **20.790**Delta Torque: **10490 FT-LB**Delta Turns: **0.154**Notes: **joint 129**

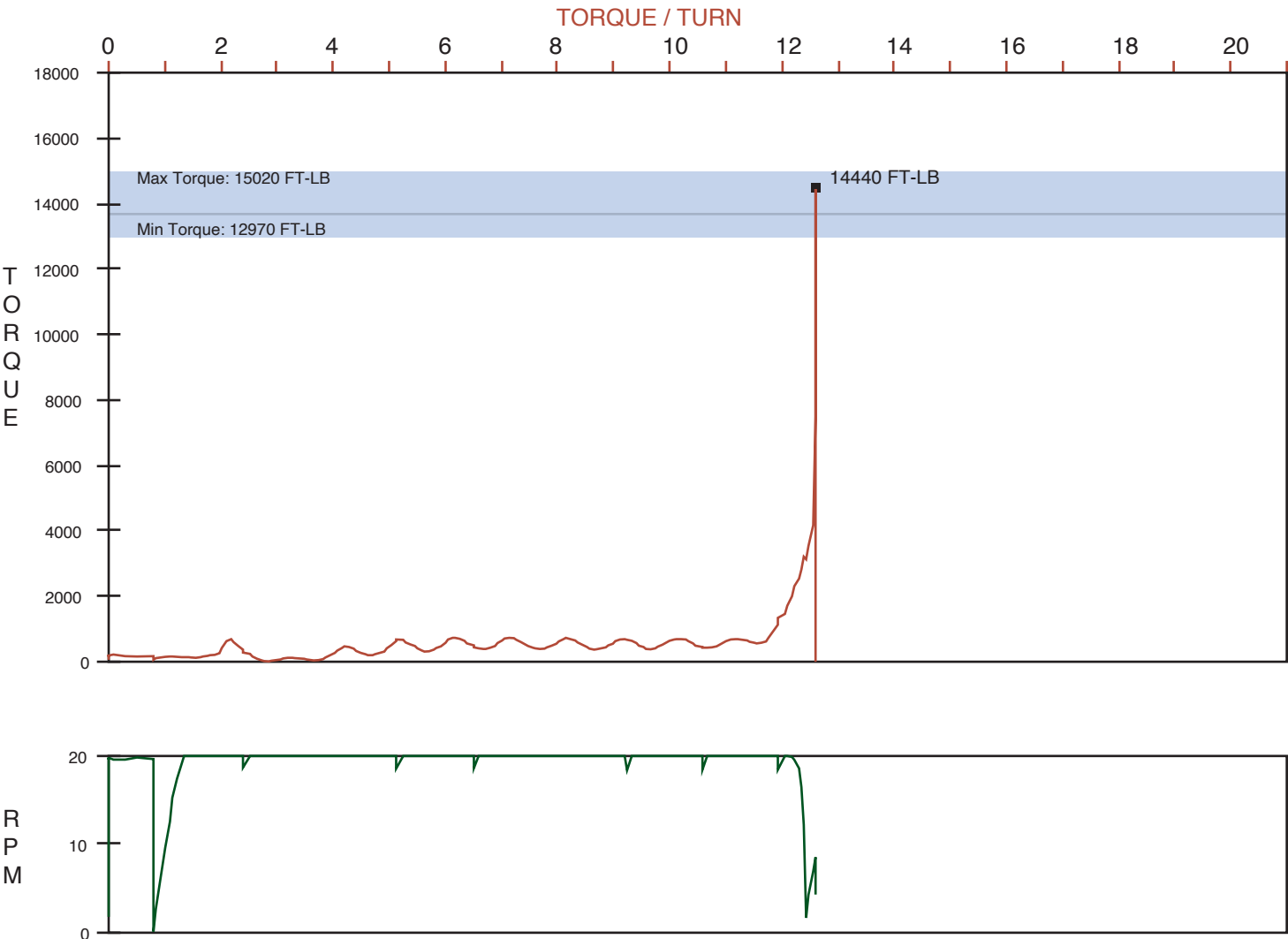
Joint #: 130

Count #: 130

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:36:21 AM	Heat/Lot#:	
Pipe Length:	34.701 ft		
Cumulative Length:	4882.663 ft		
Cumulative Weight:	111857.694 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14440 FT-LB
Final Turns:	12.602
Max RPM:	22.440
Delta Torque:	11310 FT-LB
Delta Turns:	0.188

Notes: joint 130



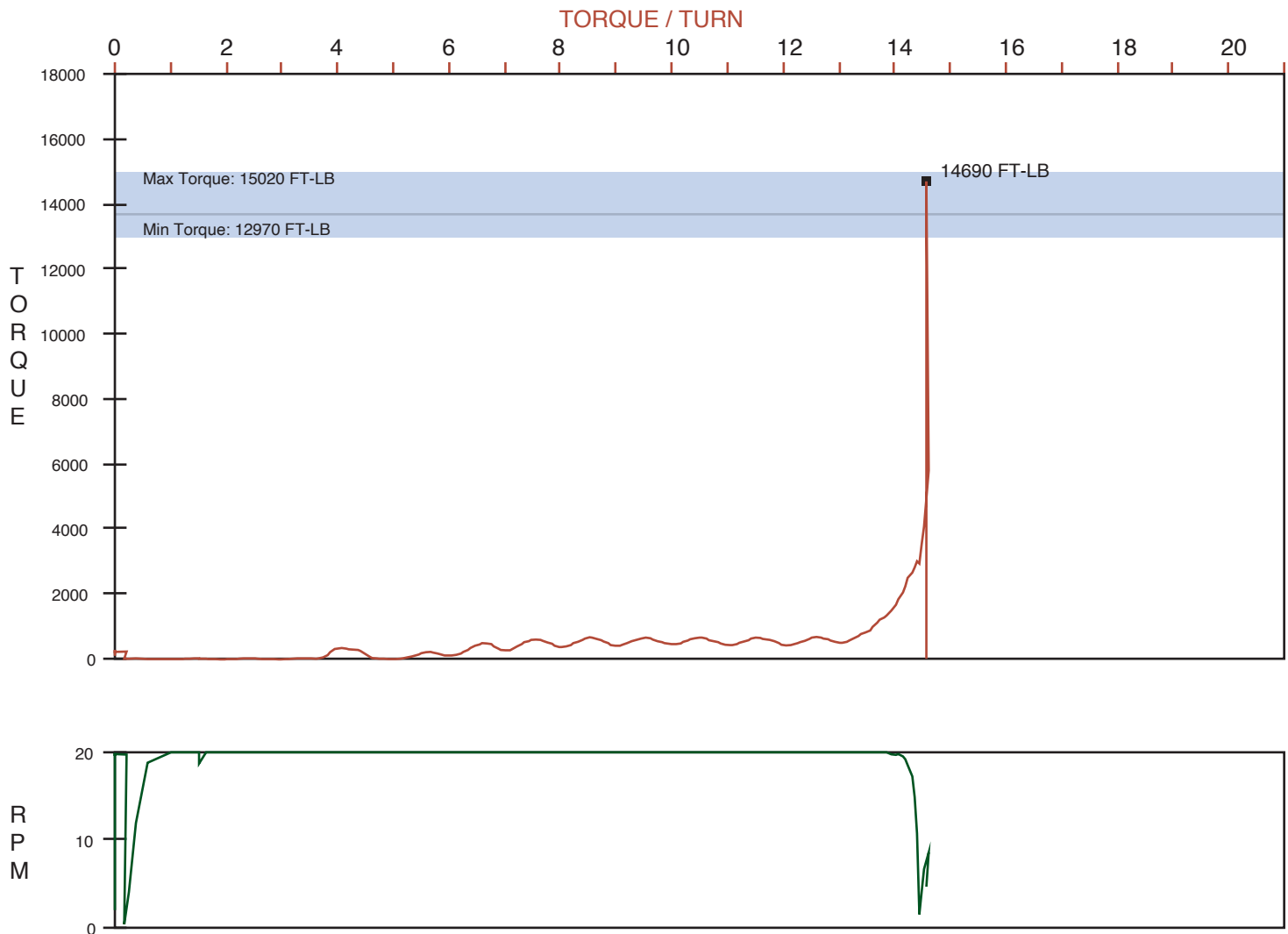


**Joint #: 131****Count #: 131**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:41:03 AM**

Heat/Lot#:

Pipe Length: **34.373 ft**Cumulative Length: **4917.036 ft**Cumulative Weight: **112648.273 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14690 FT-LB**Final Turns: **14.594**Max RPM: **22.440**Delta Torque: **11330 FT-LB**Delta Turns: **0.150**Notes: **joint 131**

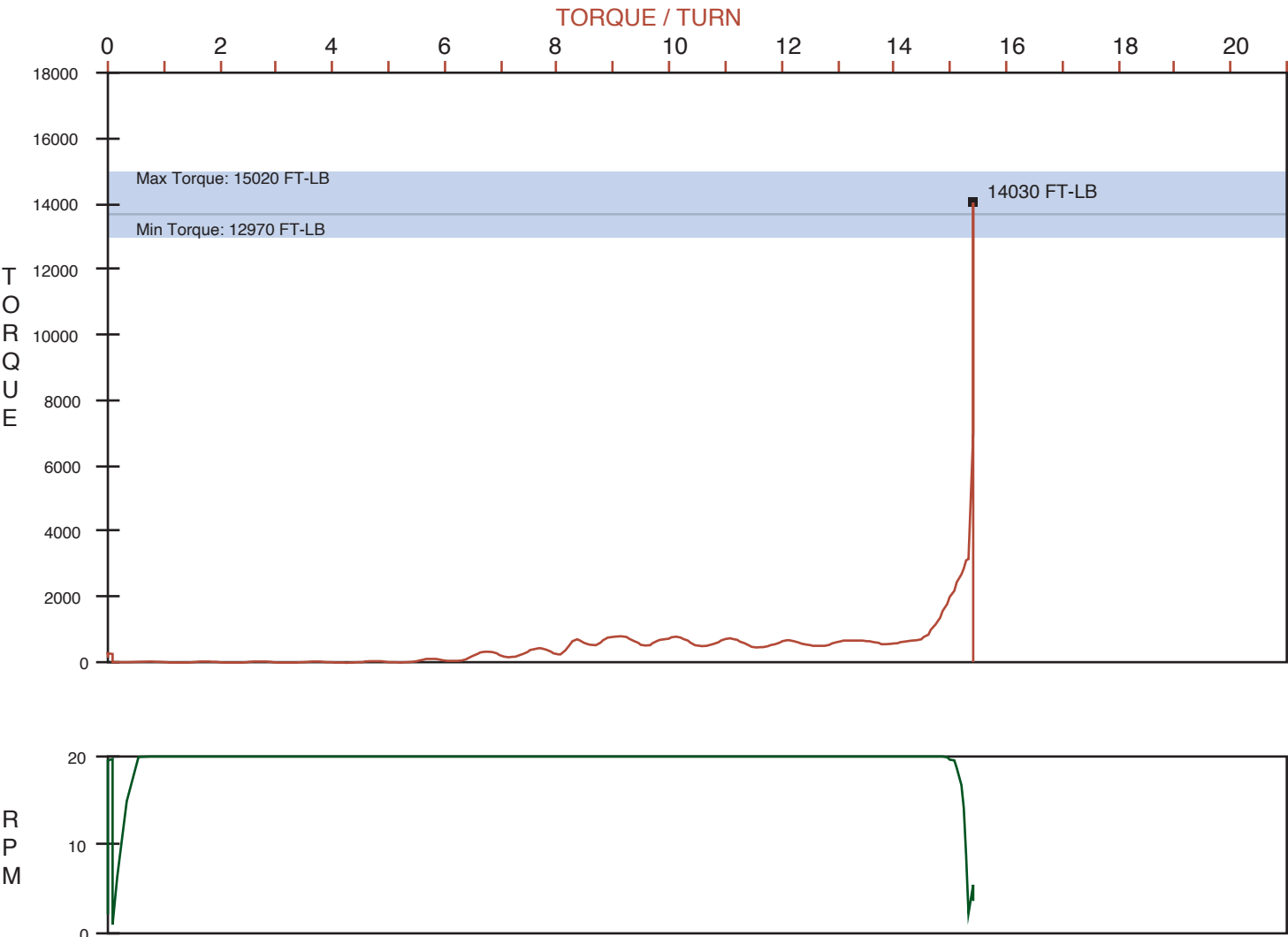
Joint #: 132

Count #: 132

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:45:25 AM	Heat/Lot#:	
Pipe Length:	37.838 ft		
Cumulative Length:	4954.874 ft		
Cumulative Weight:	113518.547 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14030 FT-LB
Final Turns:	15.400
Max RPM:	20.820
Delta Torque:	11640 FT-LB
Delta Turns:	0.136

Notes: joint 132



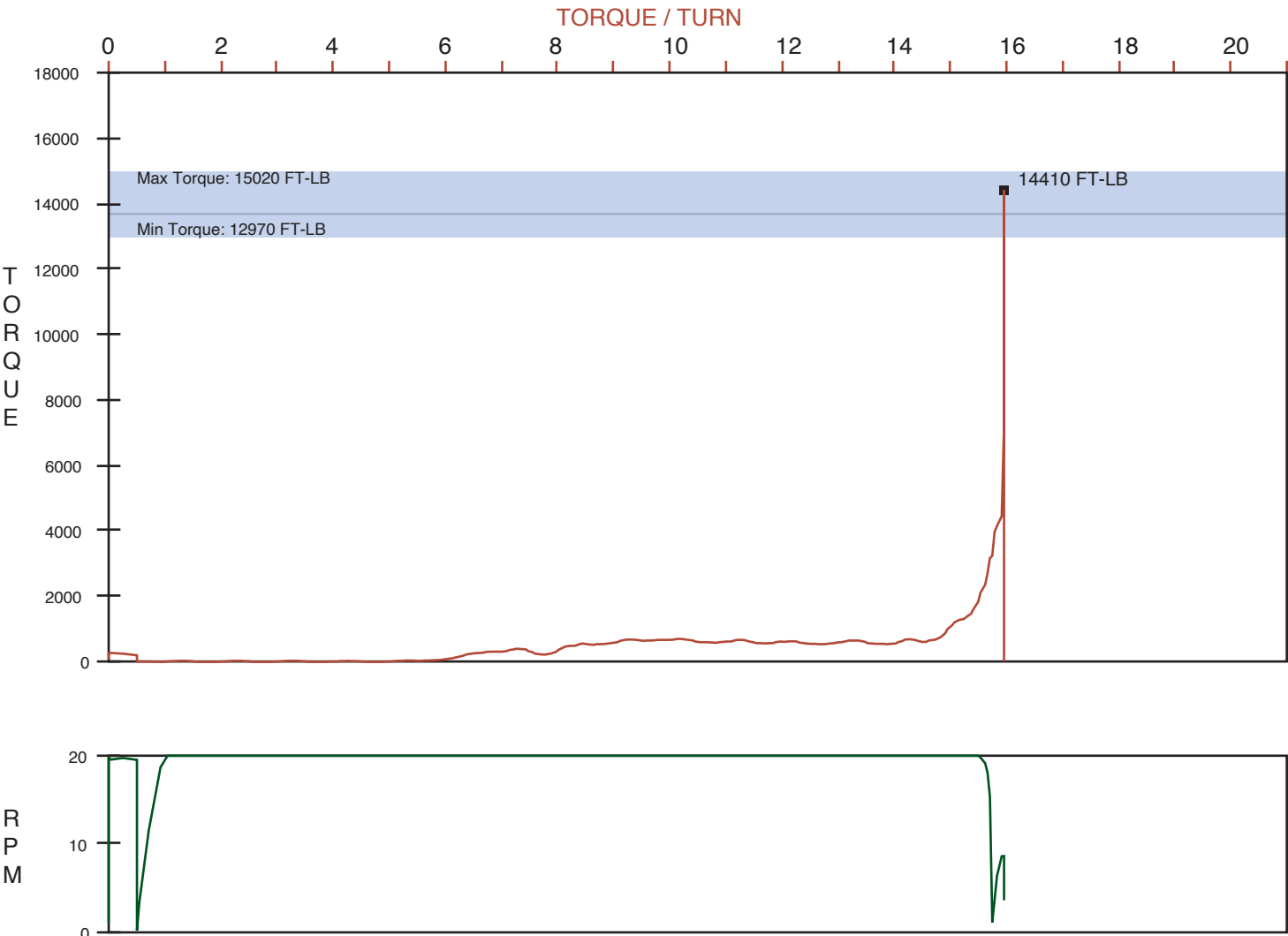
Joint #: 133

Count #: 133

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:49:03 AM	Heat/Lot#:	
Pipe Length:	37.838 ft		
Cumulative Length:	4992.712 ft		
Cumulative Weight:	114388.821 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14410 FT-LB
Final Turns:	15.971
Max RPM:	20.820
Delta Torque:	10440 FT-LB
Delta Turns:	0.193

Notes: joint 133

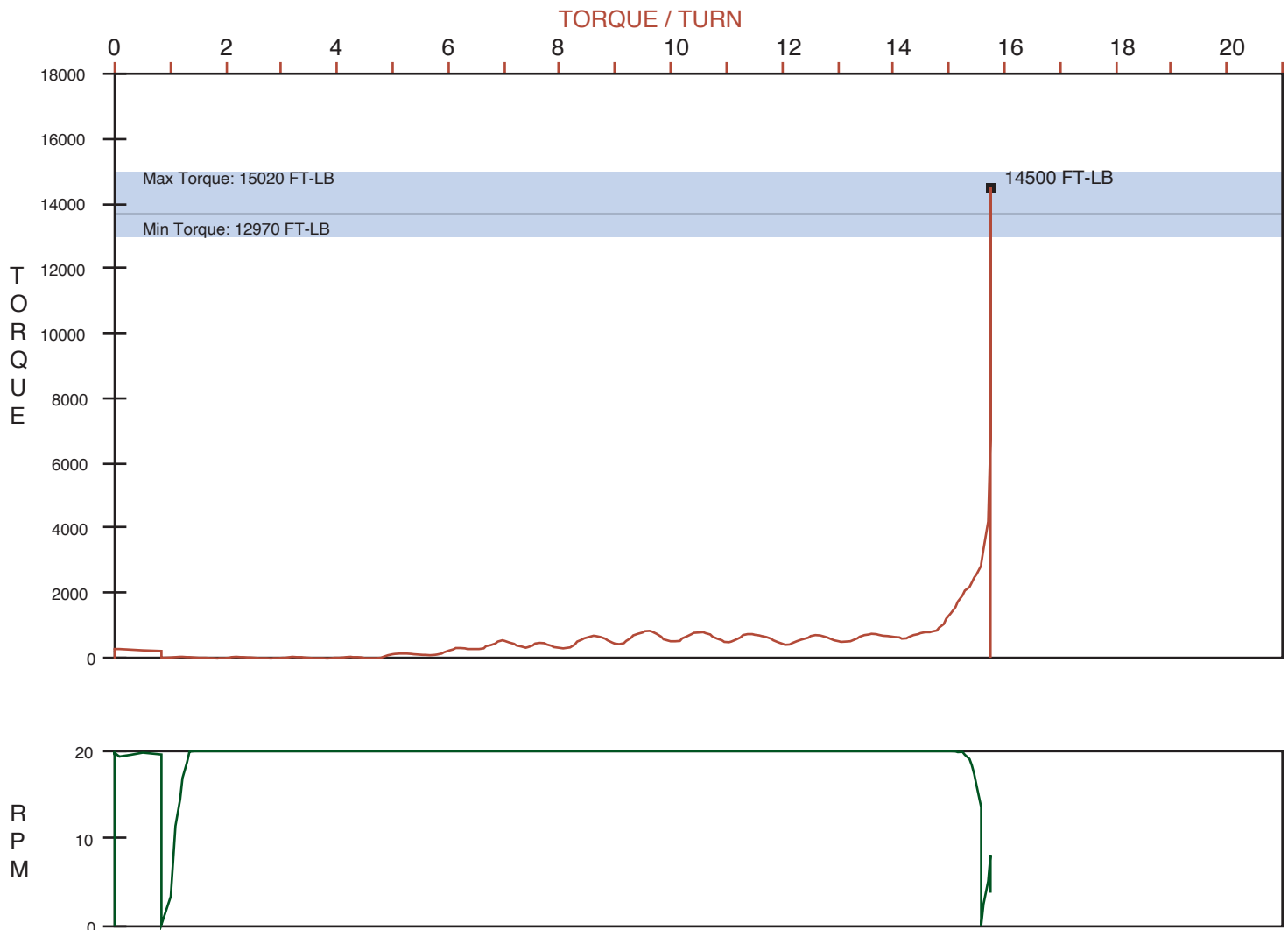


**Joint #: 134****Count #: 134**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:53:13 AM**

Heat/Lot#:

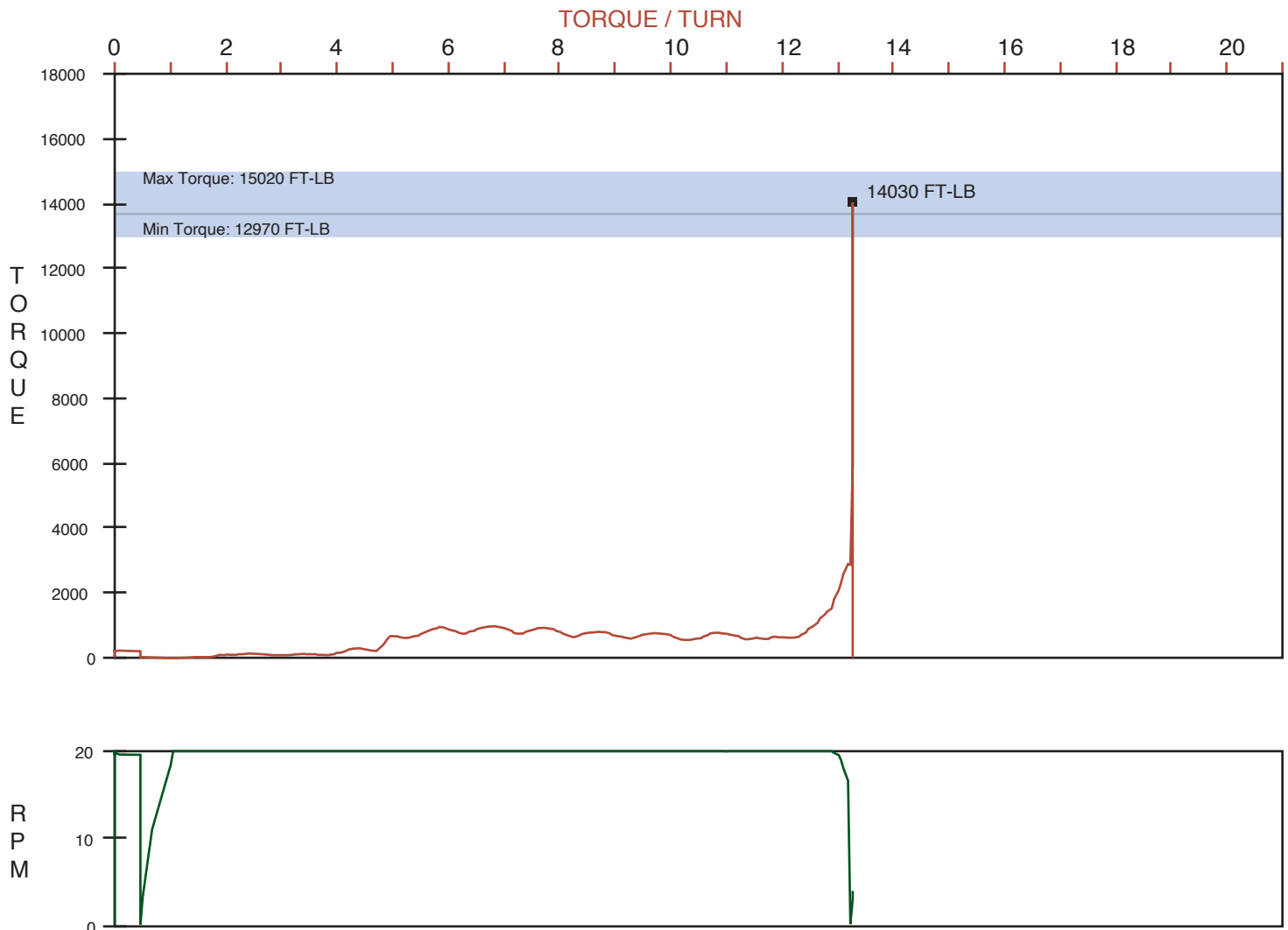
Pipe Length: **37.838 ft**Cumulative Length: **5030.550 ft**Cumulative Weight: **115259.095 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14500 FT-LB**Final Turns: **15.760**Max RPM: **20.820**Delta Torque: **11420 FT-LB**Delta Turns: **0.178**Notes: **joint 134**

**Joint #: 135****Count #: 135**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:57:28 AM**

Heat/Lot#:

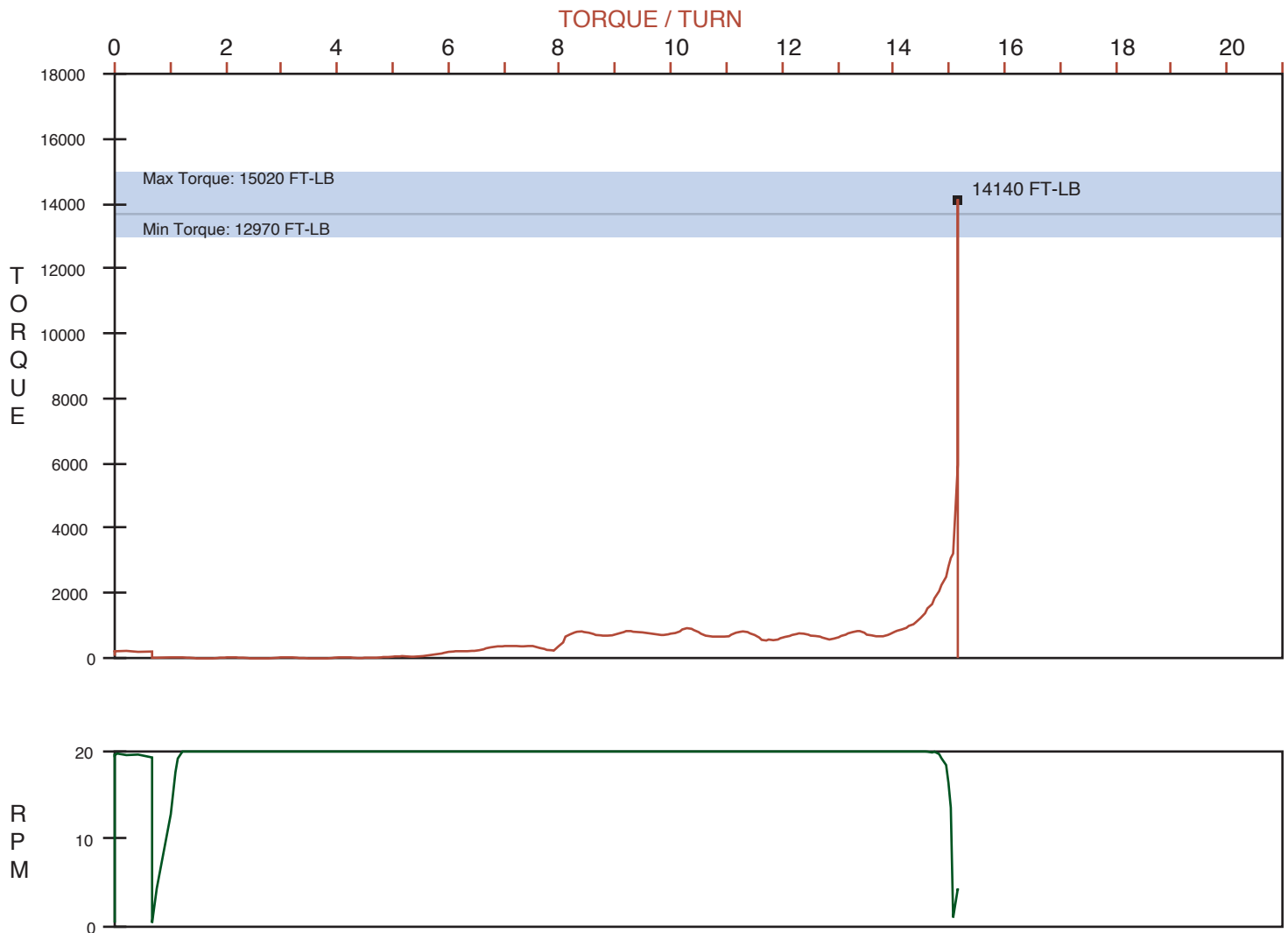
Pipe Length: **37.818 ft**Cumulative Length: **5068.368 ft**Cumulative Weight: **116128.909 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14030 FT-LB**Final Turns: **13.28**Max RPM: **20.790**Delta Torque: **6750 FT-LB**Delta Turns: **0.042**Notes: **joint 135**

**Joint #: 136****Count #: 136**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:01:22 AM**

Heat/Lot#:

Pipe Length: **37.871 ft**Cumulative Length: **5106.239 ft**Cumulative Weight: **116999.942 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14140 FT-LB**Final Turns: **15.167**Max RPM: **20.790**Delta Torque: **7100 FT-LB**Delta Turns: **0.042**Notes: **joint 136**

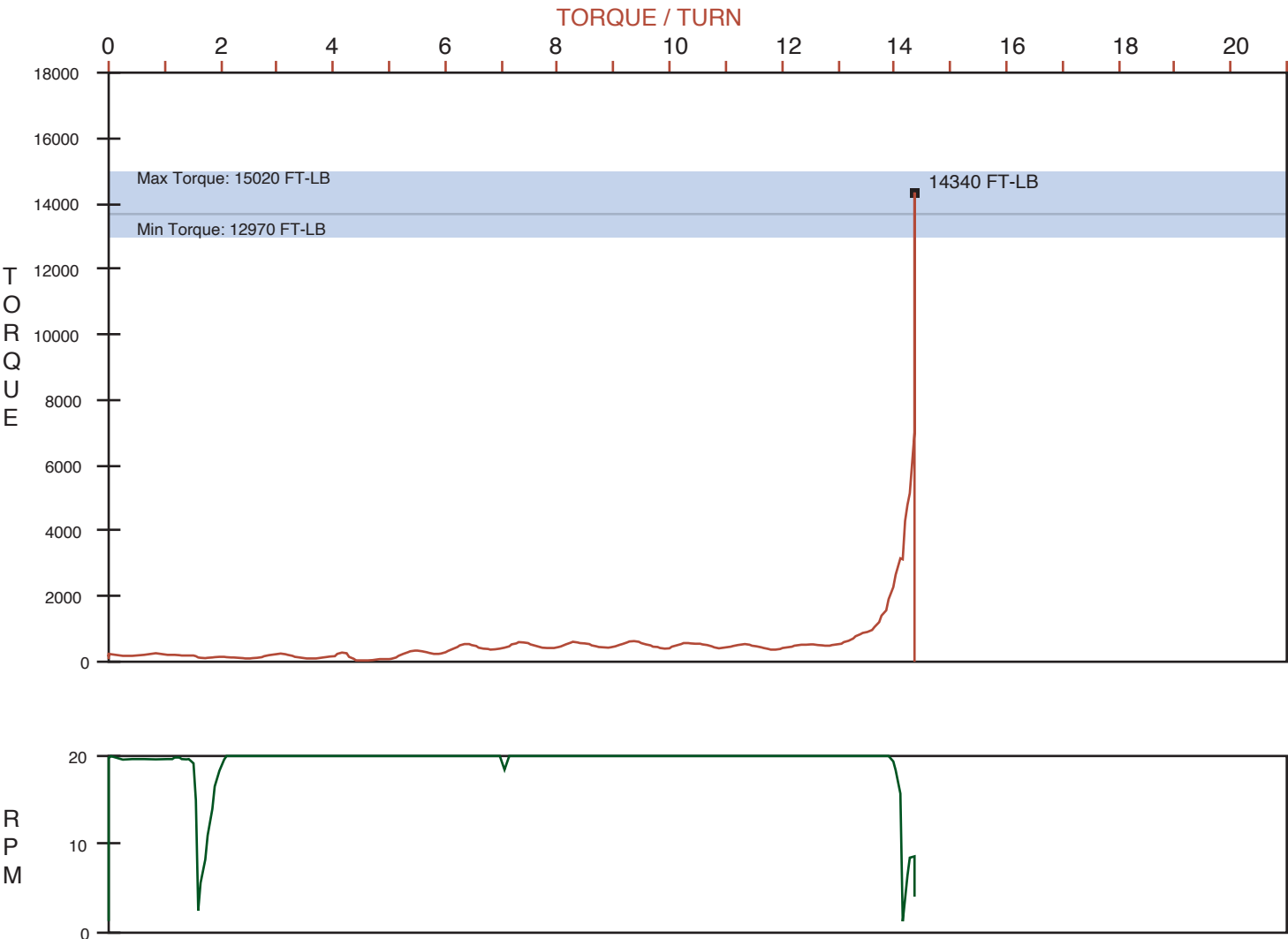
Joint #: 137

Count #: 137

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:04:51 AM	Heat/Lot#:	
Pipe Length:	35.869 ft		
Cumulative Length:	5142.108 ft		
Cumulative Weight:	117824.929 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14340 FT-LB
Final Turns:	14.350
Max RPM:	22.5
Delta Torque:	5350 FT-LB
Delta Turns:	0.030

Notes: joint 137

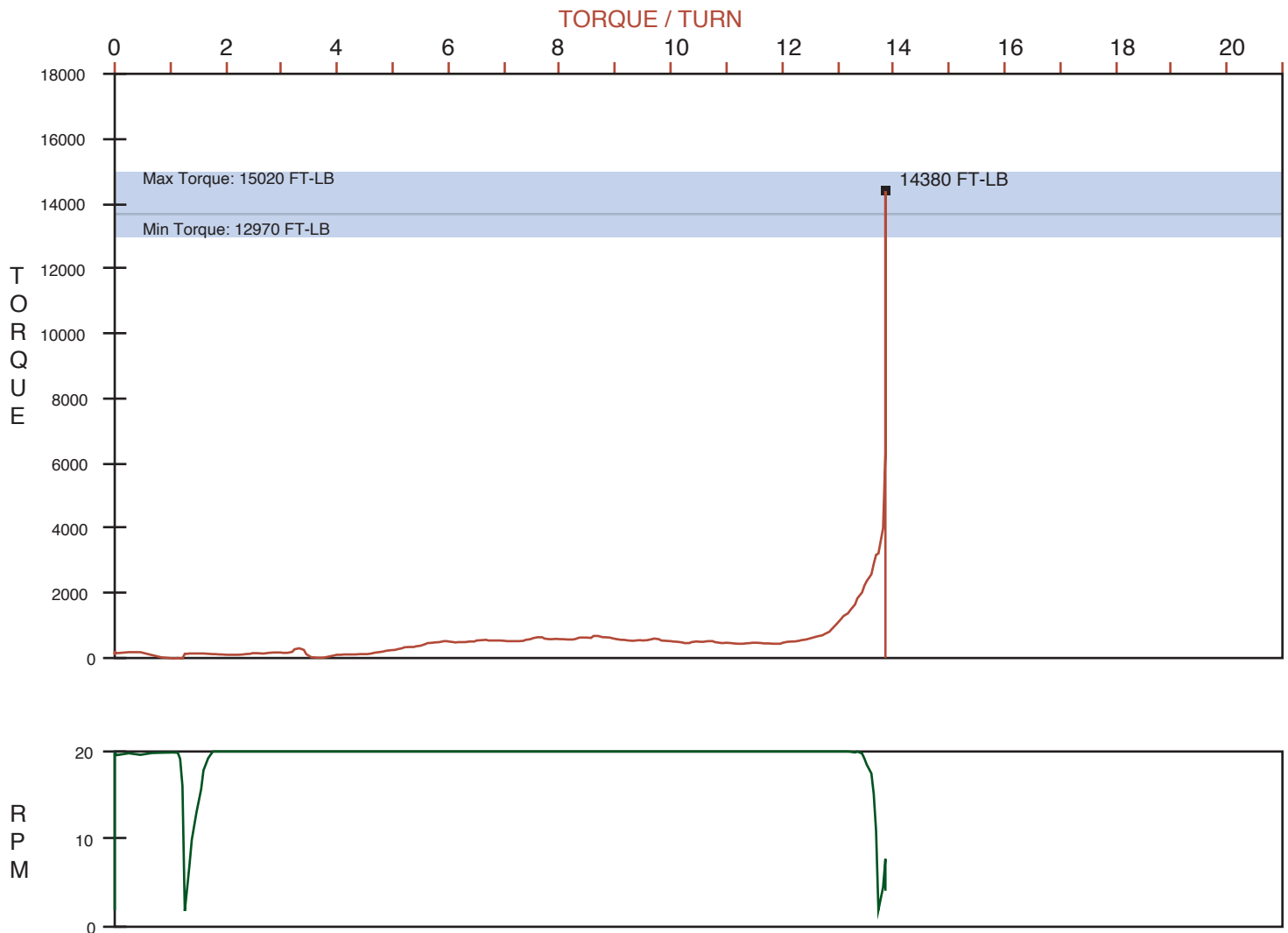


**Joint #: 138****Count #: 138**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:08:59 AM**

Heat/Lot#:

Pipe Length: **35.466 ft**Cumulative Length: **5177.574 ft**Cumulative Weight: **118640.647 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14380 FT-LB**Final Turns: **13.873**Max RPM: **20.760**Delta Torque: **6900 FT-LB**Delta Turns: **0.042**Notes: **joint 138**



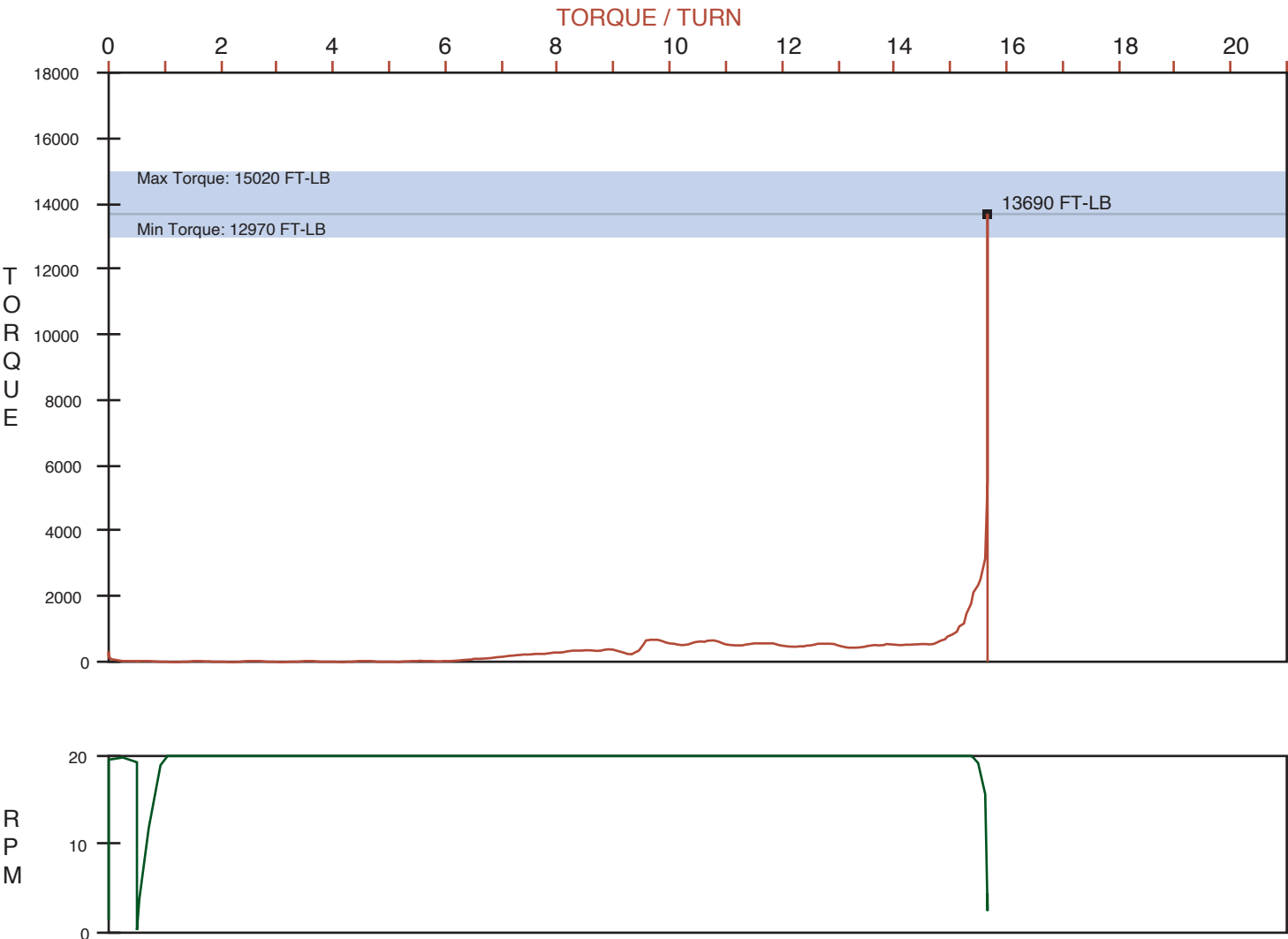
Joint #: 139

Count #: 139

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:13:28 AM	Heat/Lot#:	
Pipe Length:	33.885 ft		
Cumulative Length:	5211.459 ft		
Cumulative Weight:	119420.002 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13690 FT-LB
Final Turns:	15.667
Max RPM:	20.820
Delta Torque:	8170 FT-LB
Delta Turns:	0.049

Notes: joint 139



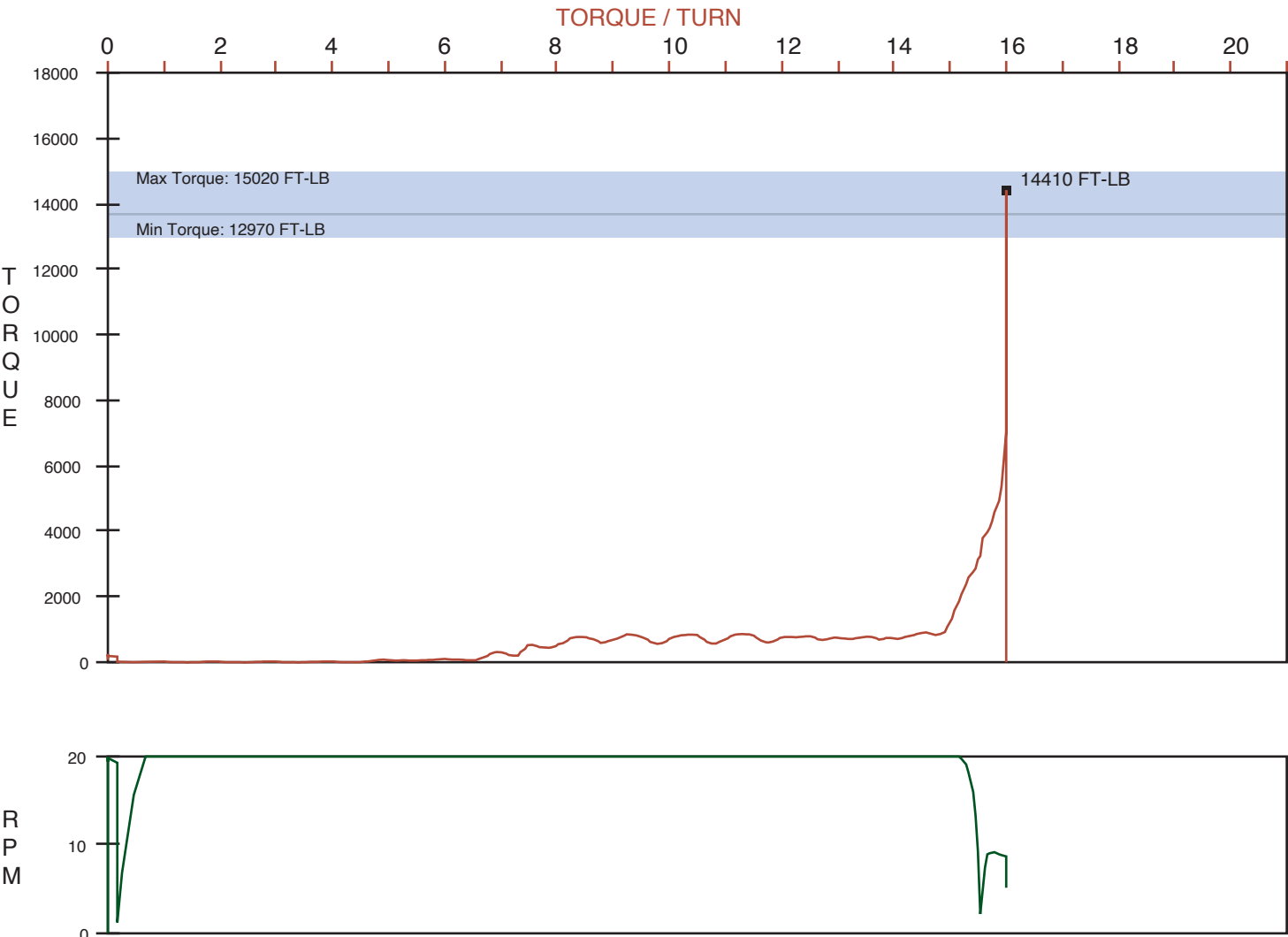
Joint #: 140

Count #: 140

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:18:19 AM	Heat/Lot#:	
Pipe Length:	37.851 ft		
Cumulative Length:	5249.310 ft		
Cumulative Weight:	120290.575 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14410 FT-LB
Final Turns:	15.988
Max RPM:	20.790
Delta Torque:	6160 FT-LB
Delta Turns:	0.031

Notes: joint 140



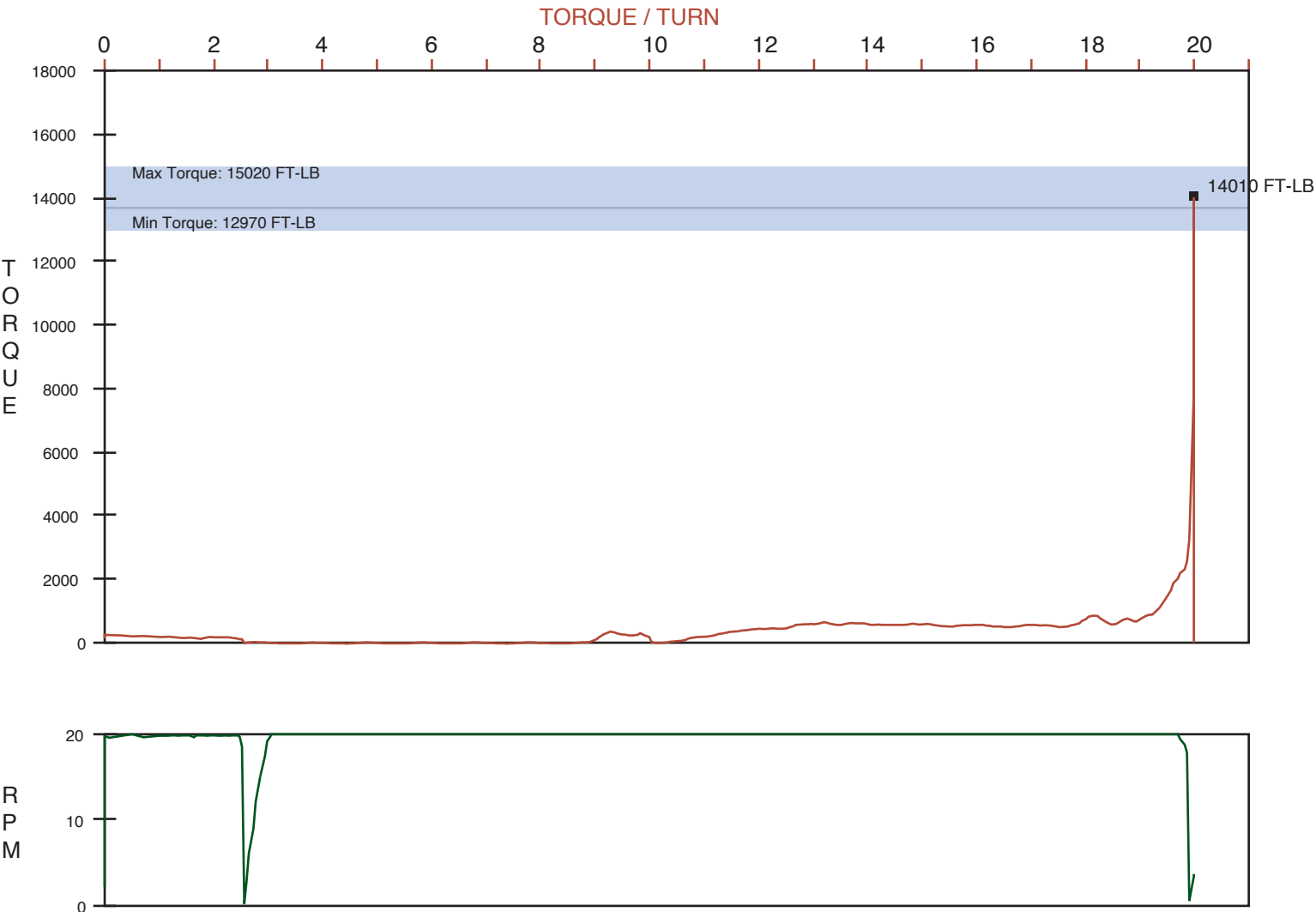
Joint #: 141

Count #: 141

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:33:41 AM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	5287.187 ft		
Cumulative Weight:	121161.746 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14010 FT-LB
Final Turns:	19.976
Max RPM:	20.820
Delta Torque:	7450 FT-LB
Delta Turns:	0.062

Notes: joint 141

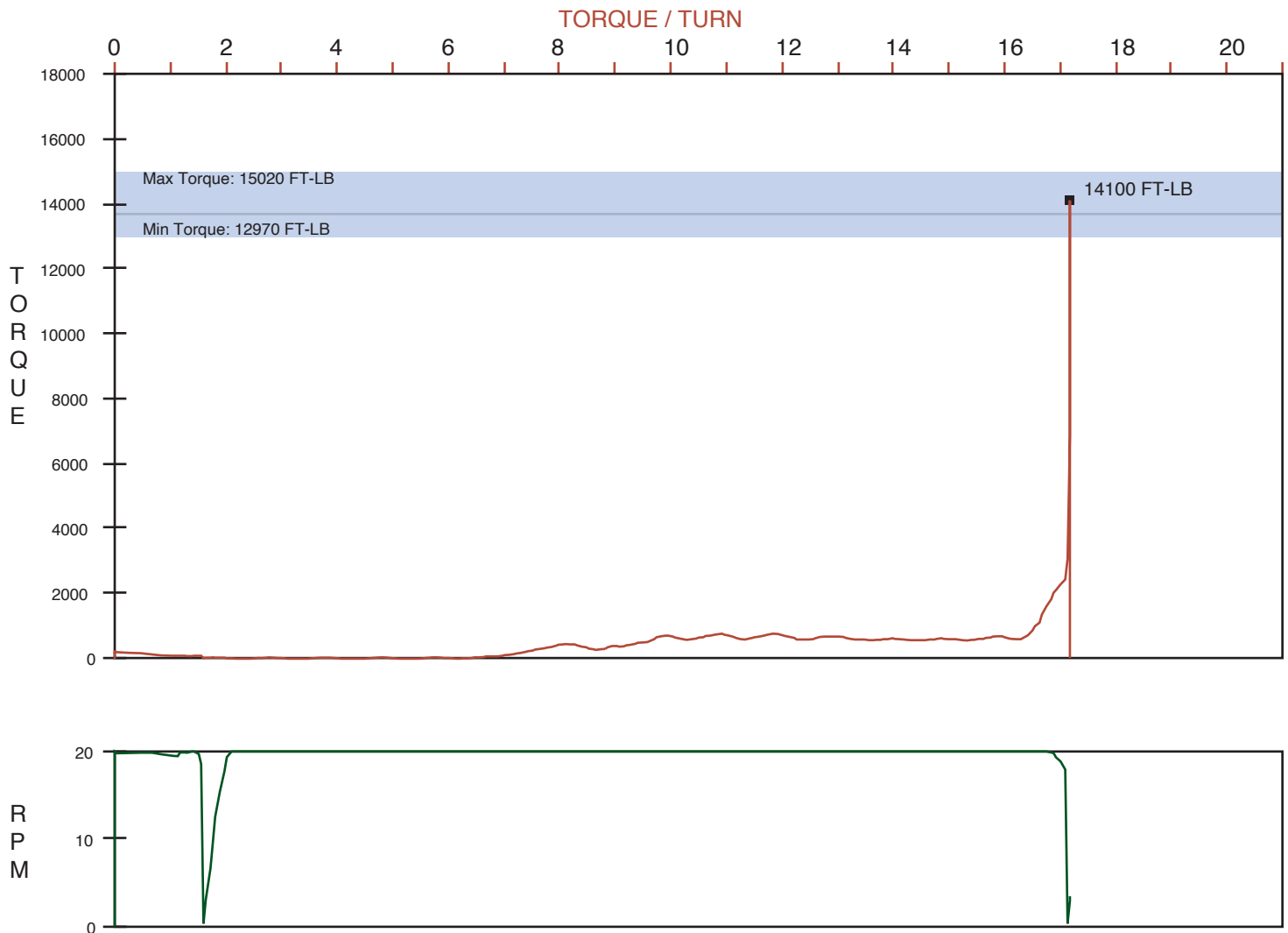


**Joint #: 142****Count #: 142**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:38:22 AM**

Heat/Lot#:

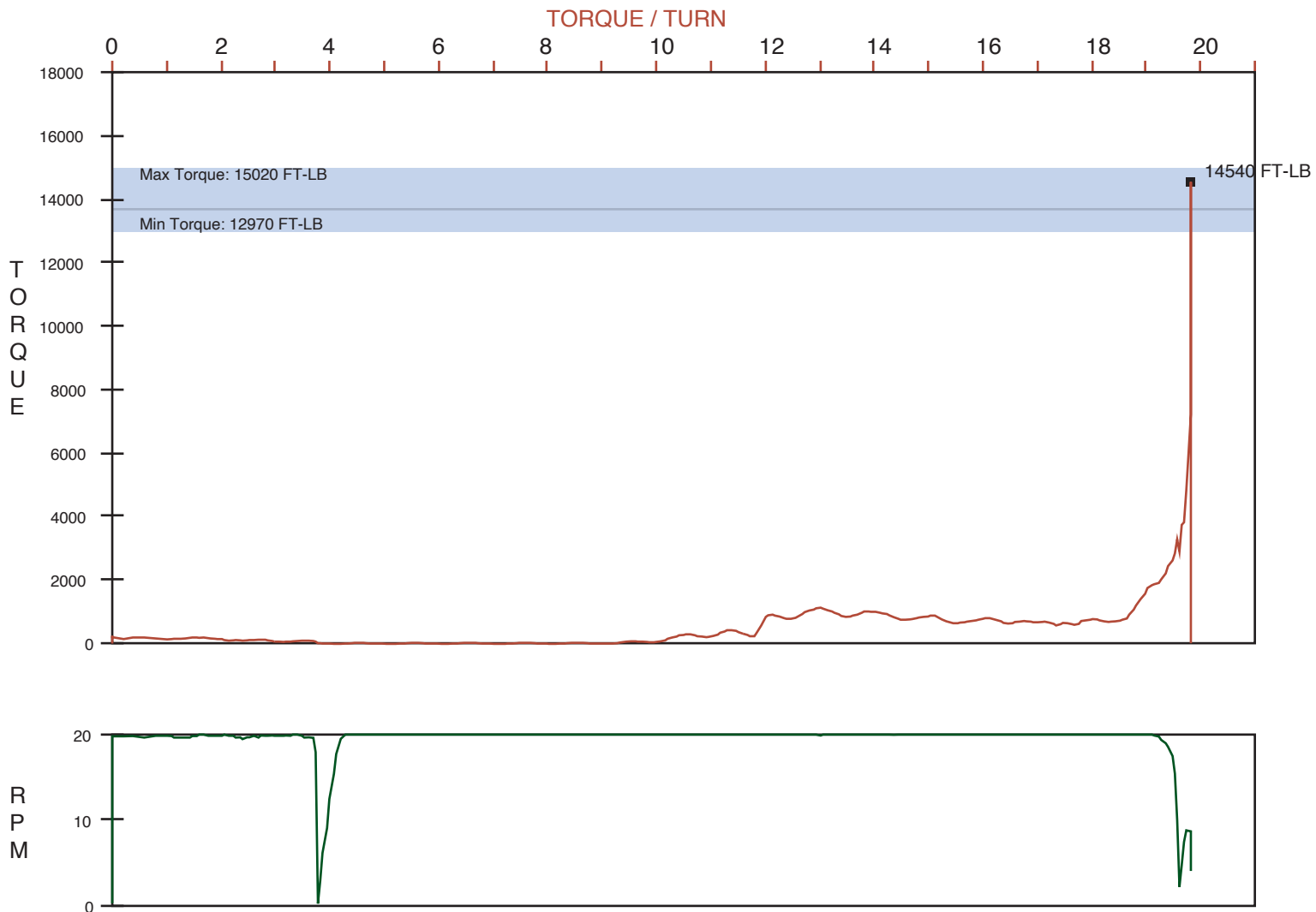
Pipe Length: **37.874 ft**Cumulative Length: **5325.061 ft**Cumulative Weight: **122032.848 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14100 FT-LB**Final Turns: **17.178**Max RPM: **20.820**Delta Torque: **7270 FT-LB**Delta Turns: **0.045**Notes: **joint 142**

**Joint #: 143****Count #: 143**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:42:53 AM**

Heat/Lot#:

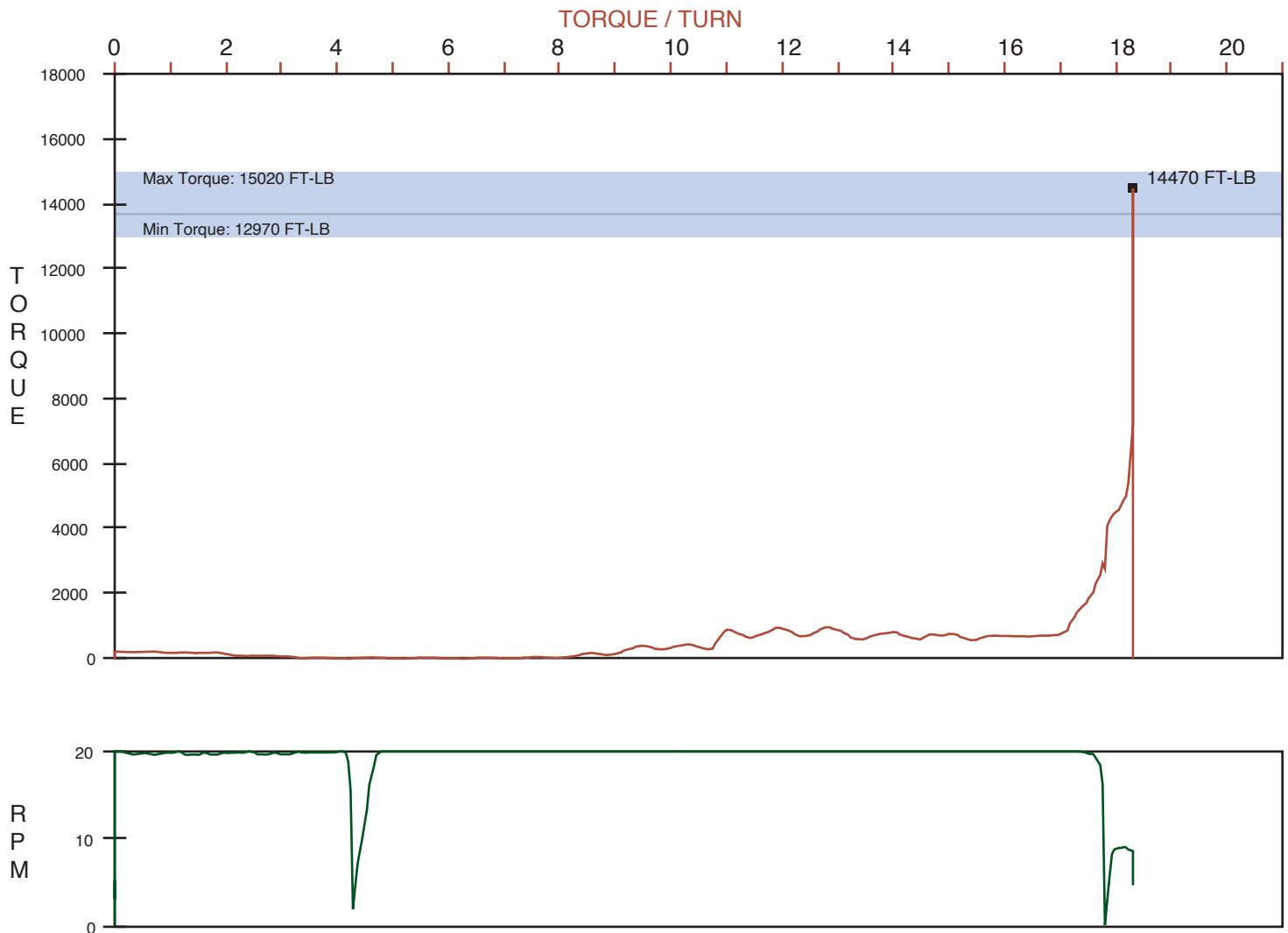
Pipe Length: **37.887 ft**Cumulative Length: **5362.948 ft**Cumulative Weight: **122904.249 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14540 FT-LB**Final Turns: **19.816**Max RPM: **20.820**Delta Torque: **6340 FT-LB**Delta Turns: **0.041**Notes: **joint 143**

**Joint #: 144****Count #: 144**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:46:34 AM**

Heat/Lot#:

Pipe Length: **37.608 ft**Cumulative Length: **5400.556 ft**Cumulative Weight: **123769.233 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14470 FT-LB**Final Turns: **18.296**Max RPM: **20.820**Delta Torque: **3870 FT-LB**Delta Turns: **0.015**Notes: **joint 144**

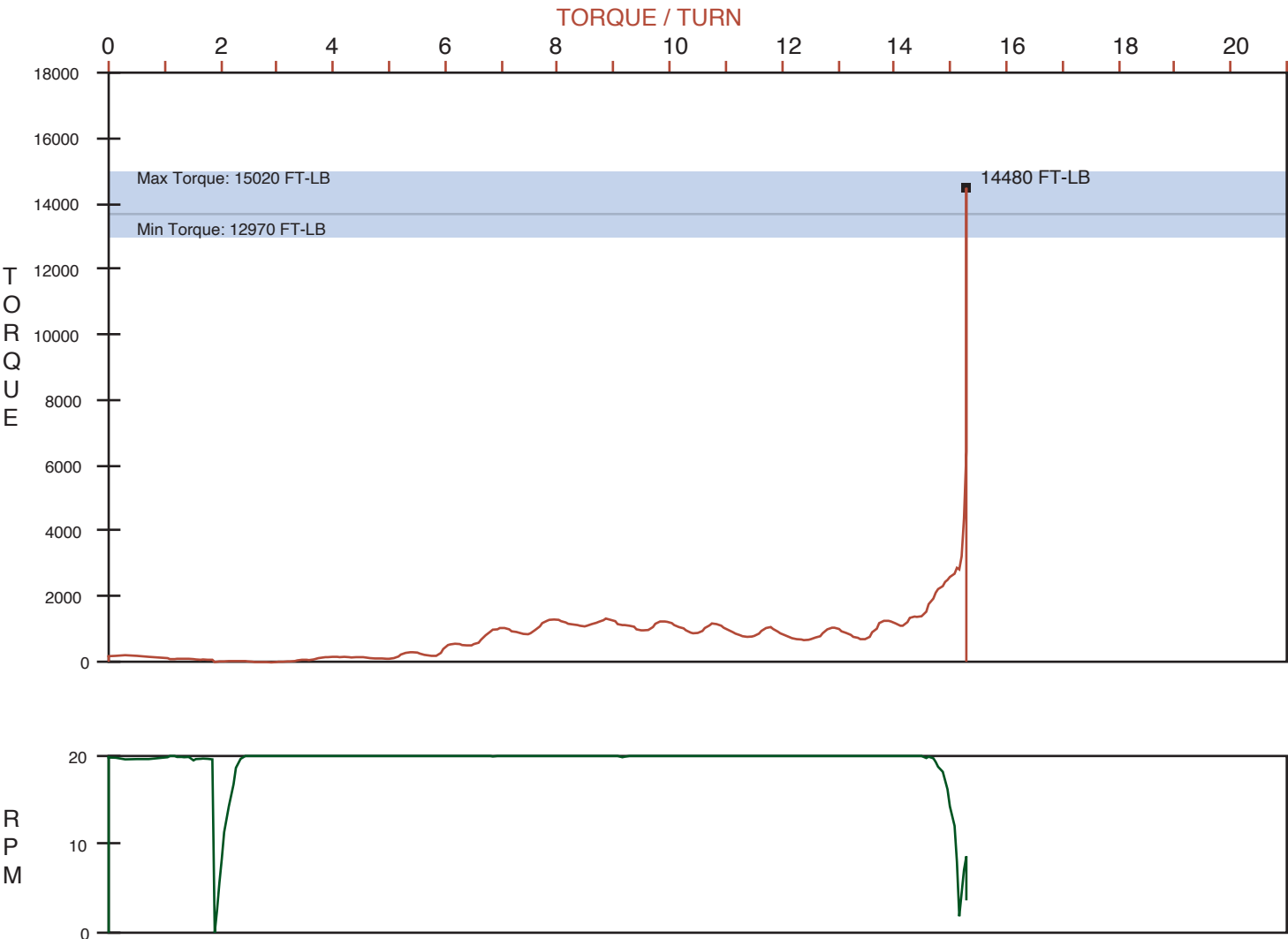
Joint #: 145

Count #: 145

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:51:54 AM	Heat/Lot#:	
Pipe Length:	35.079 ft		
Cumulative Length:	5435.635 ft		
Cumulative Weight:	124576.050 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14480 FT-LB
Final Turns:	15.297
Max RPM:	20.790
Delta Torque:	5400 FT-LB
Delta Turns:	0.022

Notes: joint 145



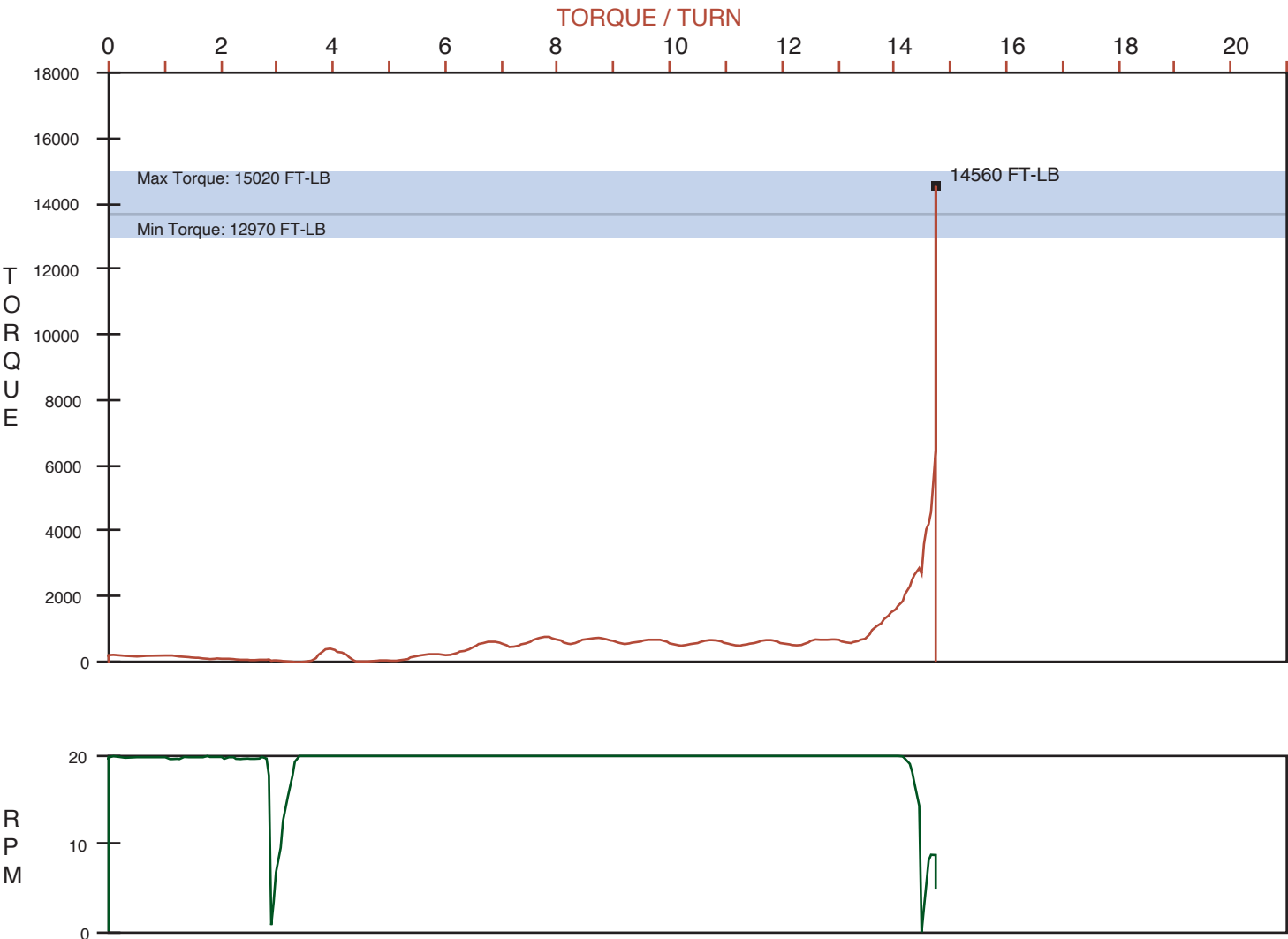
Joint #: 146

Count #: 146

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:56:40 AM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	5473.512 ft		
Cumulative Weight:	125447.221 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14560 FT-LB
Final Turns:	14.738
Max RPM:	20.820
Delta Torque:	5900 FT-LB
Delta Turns:	0.030

Notes: joint 146





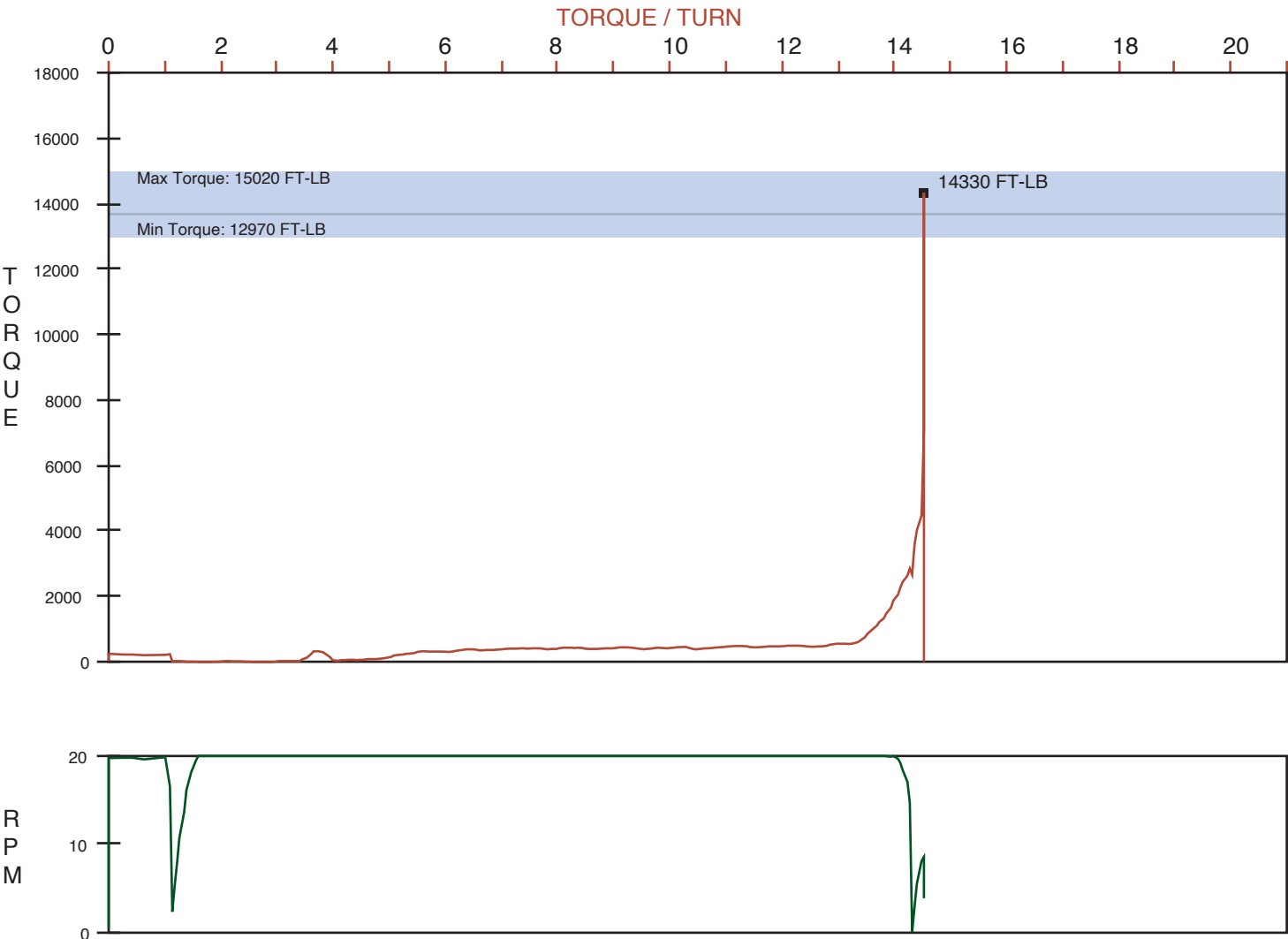
Joint #: 147

Count #: 147

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:00:37 AM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	5511.389 ft		
Cumulative Weight:	126318.392 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14330 FT-LB
Final Turns:	14.543
Max RPM:	20.790
Delta Torque:	3790 FT-LB
Delta Turns:	0.015

Notes: joint 147



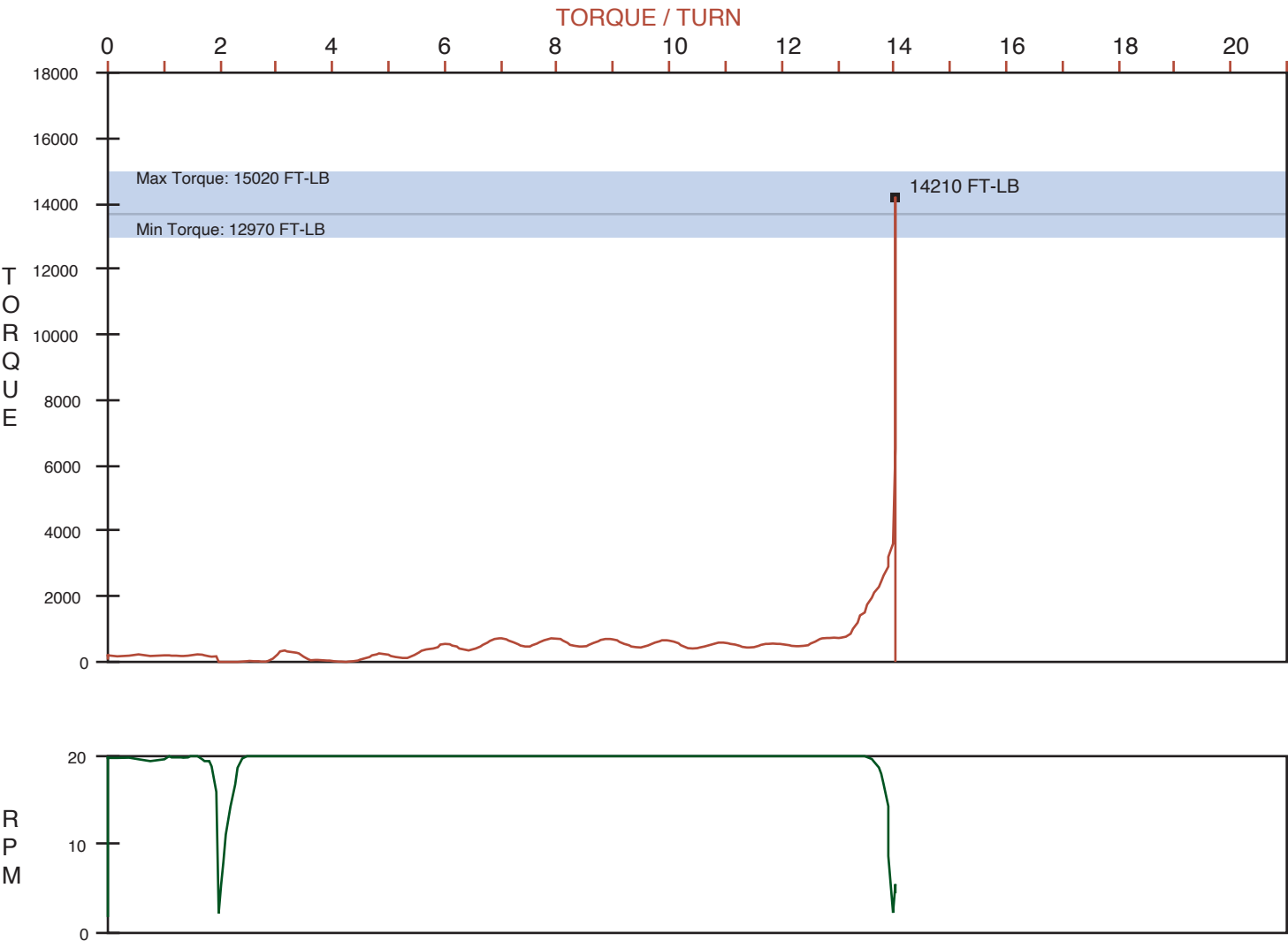
Joint #: 148

Count #: 148

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:04:02 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	5549.250 ft		
Cumulative Weight:	127189.195 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14210 FT-LB
Final Turns:	14.034
Max RPM:	20.790
Delta Torque:	5270 FT-LB
Delta Turns:	0.024

Notes: joint 148



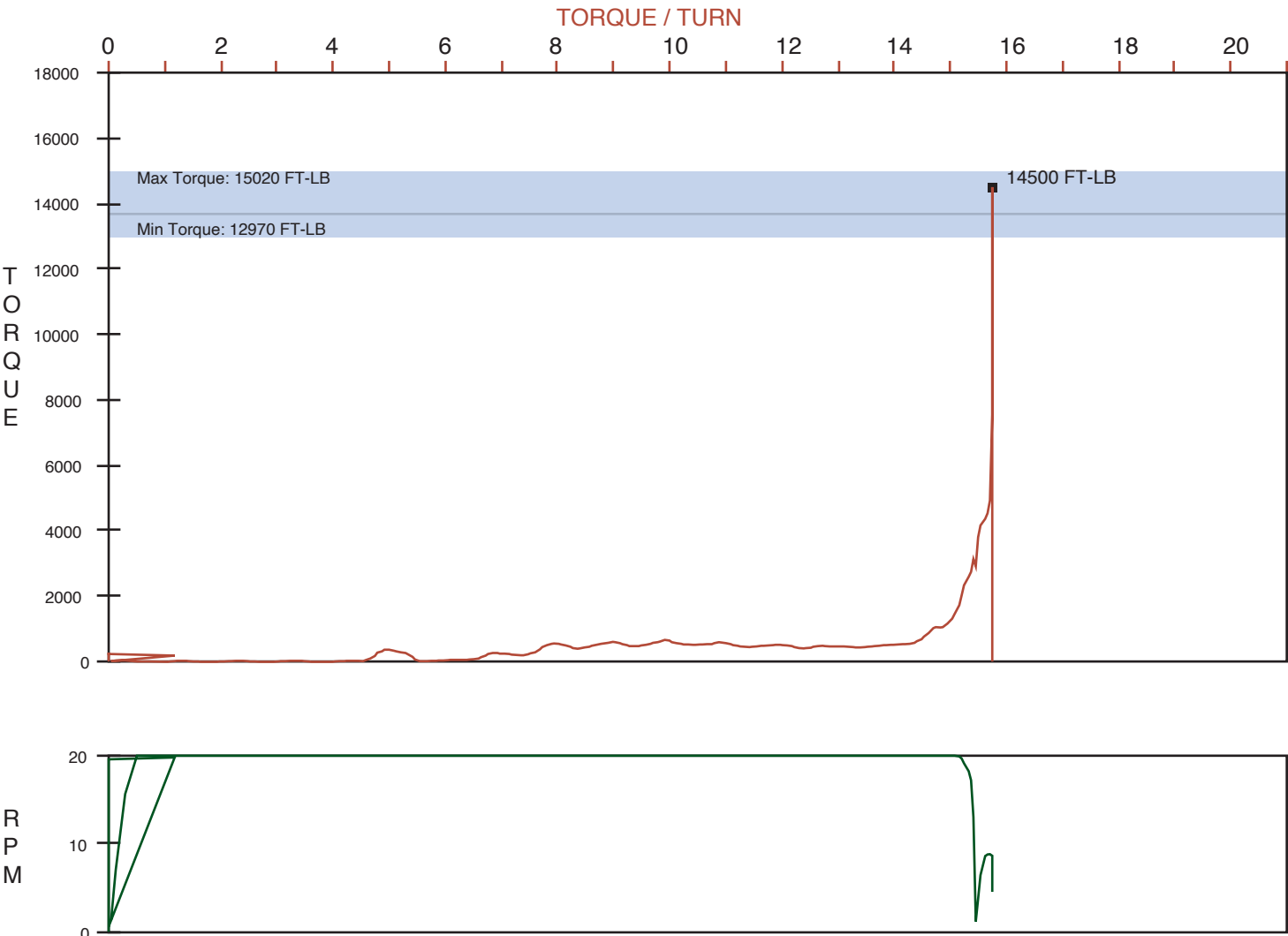
Joint #: 149

Count #: 149

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:07:28 AM	Heat/Lot#:	
Pipe Length:	37.871 ft		
Cumulative Length:	5587.121 ft		
Cumulative Weight:	128060.228 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14500 FT-LB
Final Turns:	15.768
Max RPM:	71.280
Delta Torque:	4690 FT-LB
Delta Turns:	0.025

Notes: joint 149

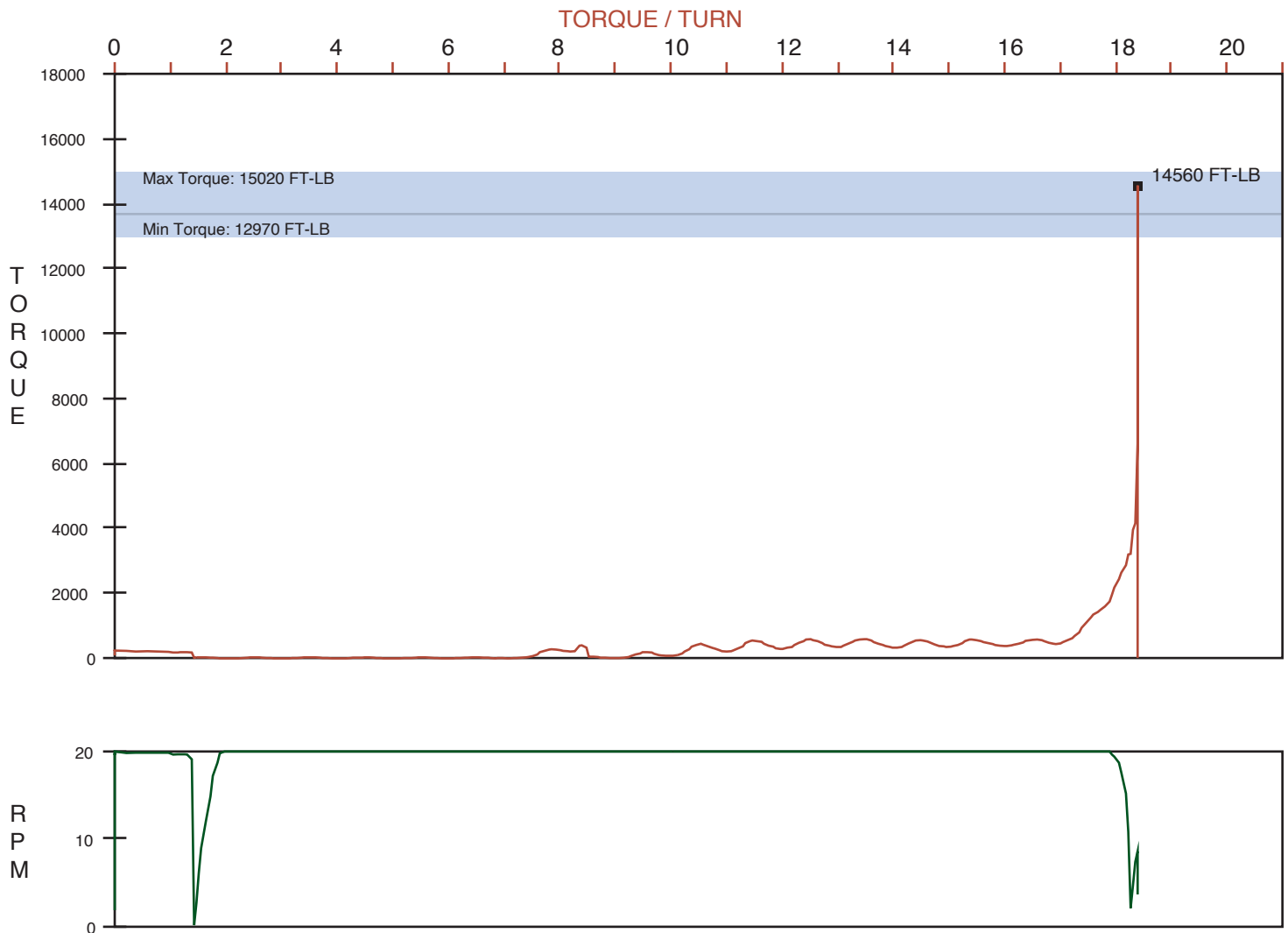


**Joint #: 150****Count #: 150**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:11:37 AM**

Heat/Lot#:

Pipe Length: **34.298 ft**Cumulative Length: **5621.419 ft**Cumulative Weight: **128849.082 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14560 FT-LB**Final Turns: **18.414**Max RPM: **20.820**Delta Torque: **5420 FT-LB**Delta Turns: **0.024**Notes: **joint 150**

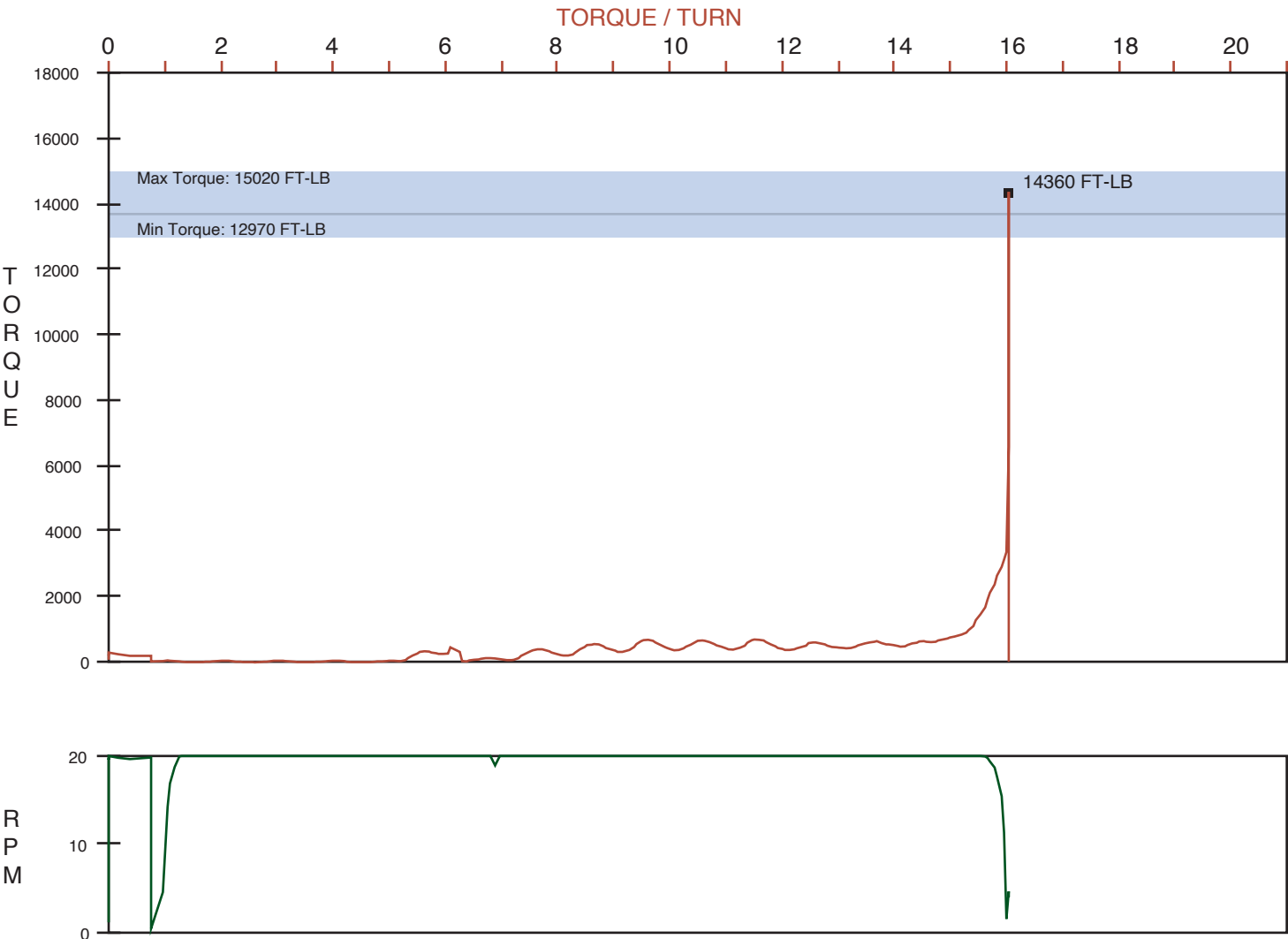
Joint #: 151

Count #: 151

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:15:04 AM	Heat/Lot#:	
Pipe Length:	37.854 ft		
Cumulative Length:	5659.273 ft		
Cumulative Weight:	129719.724 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14360 FT-LB
Final Turns:	16.064
Max RPM:	22.440
Delta Torque:	3410 FT-LB
Delta Turns:	0.007

Notes: joint 151

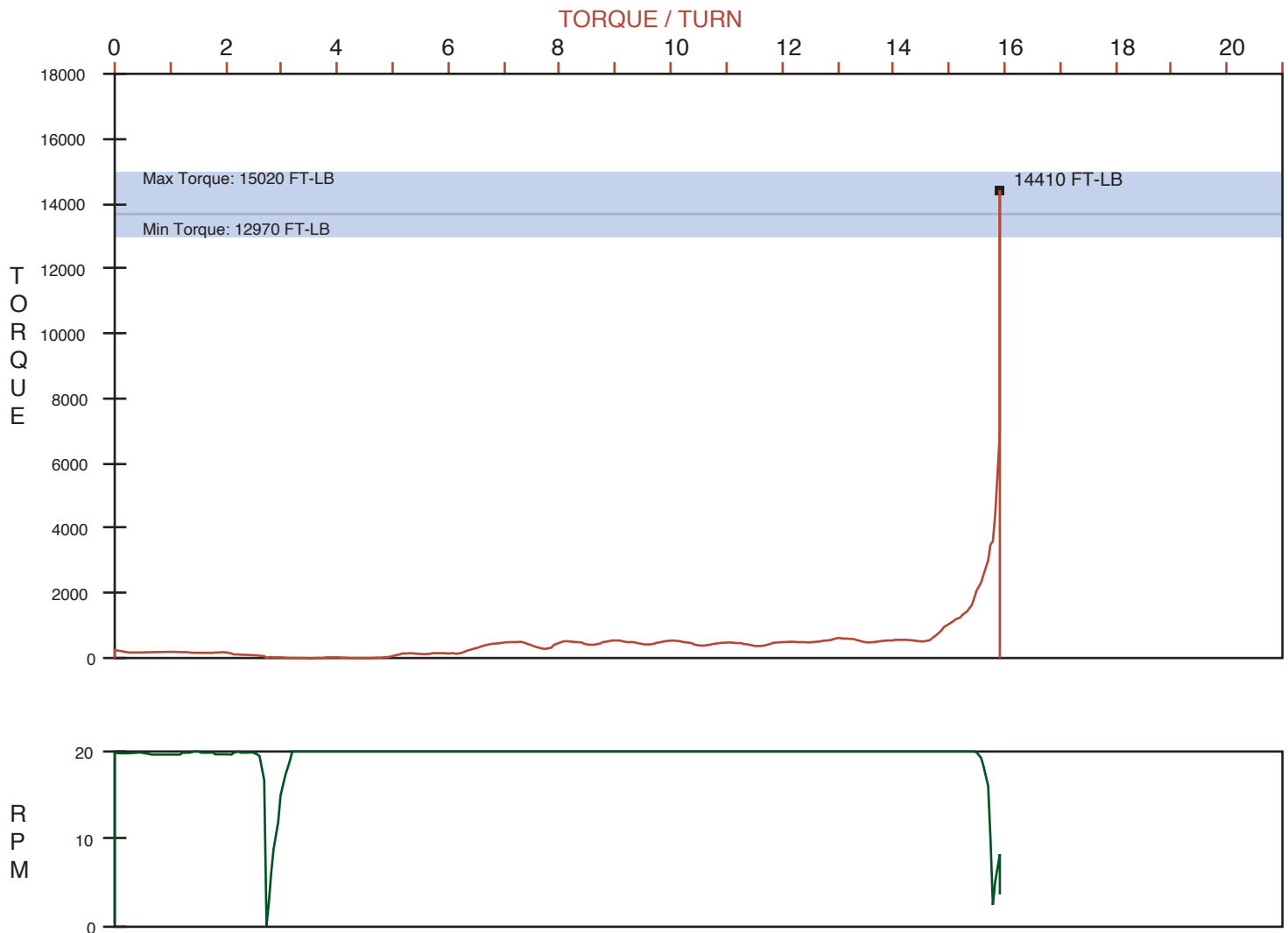


**Joint #: 152****Count #: 152**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:19:47 AM**

Heat/Lot#:

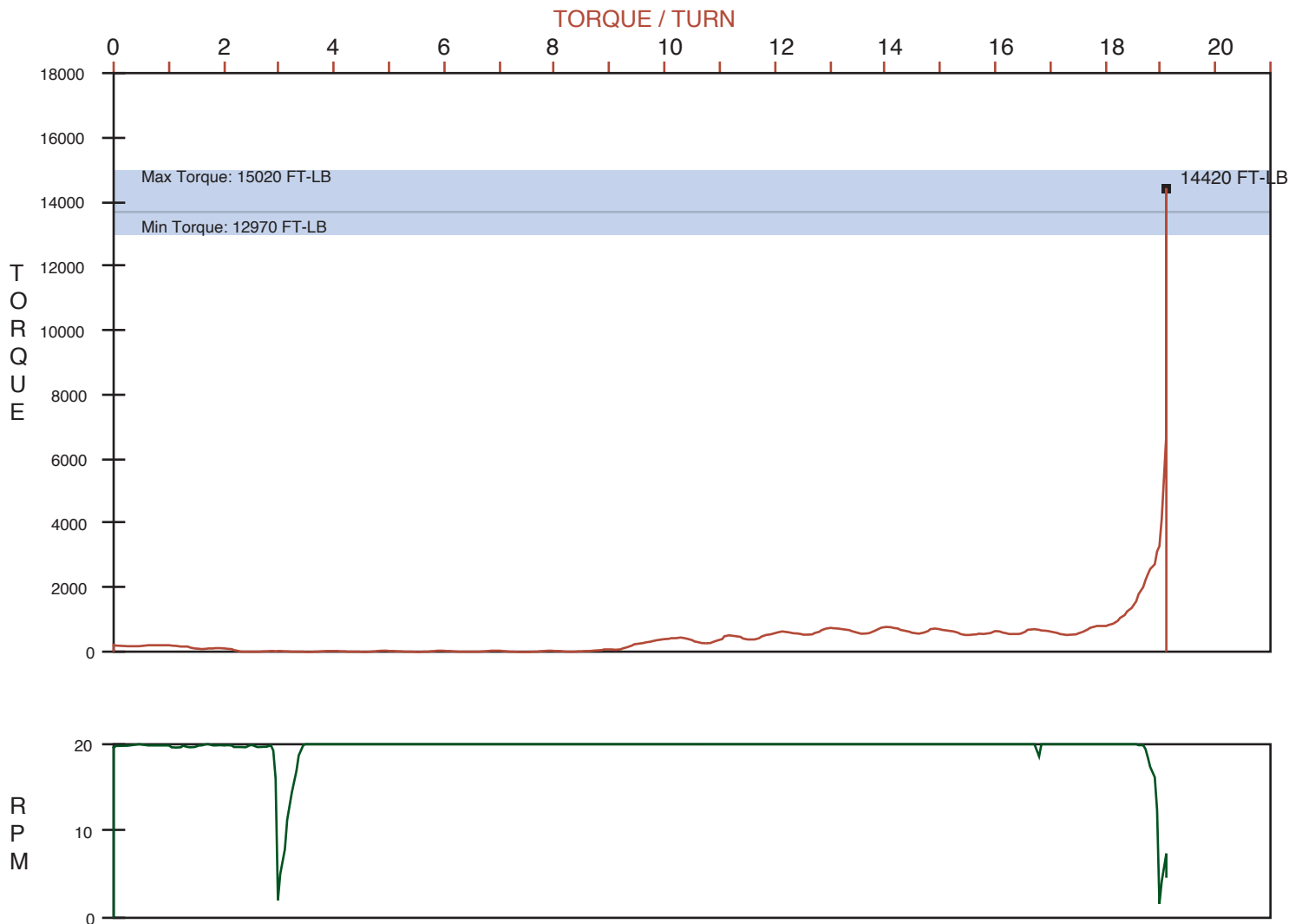
Pipe Length: **35.581 ft**Cumulative Length: **5694.854 ft**Cumulative Weight: **130538.087 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14410 FT-LB**Final Turns: **15.904**Max RPM: **20.820**Delta Torque: **3630 FT-LB**Delta Turns: **0.013**Notes: **joint 152**

**Joint #: 153****Count #: 153**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:24:34 AM**

Heat/Lot#:

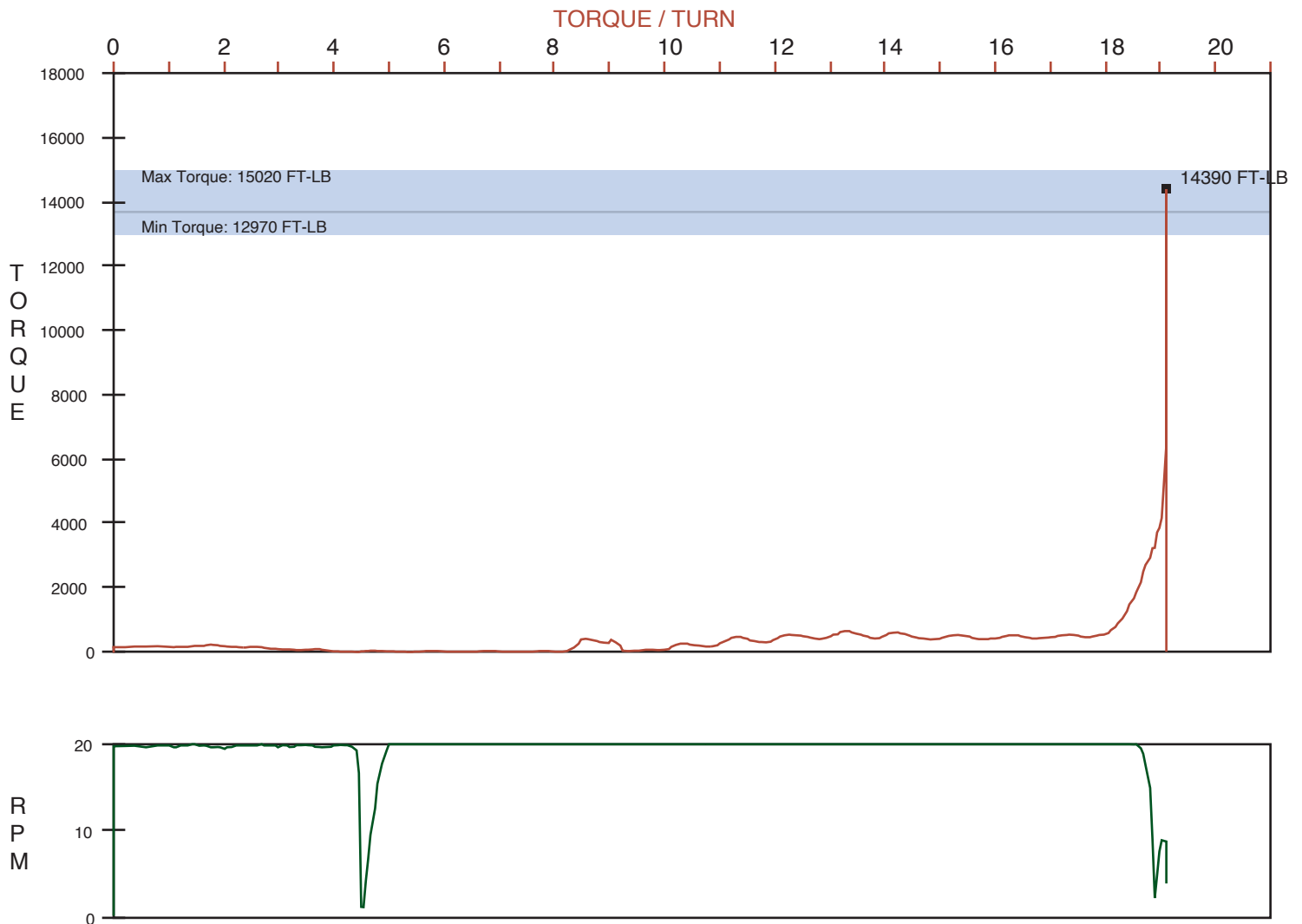
Pipe Length: **34.570 ft**Cumulative Length: **5729.424 ft**Cumulative Weight: **131333.197 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14420 FT-LB**Final Turns: **19.104**Max RPM: **22.320**Delta Torque: **4340 FT-LB**Delta Turns: **0.013**Notes: **joint 153**

**Joint #: 154****Count #: 154**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:28:55 AM**

Heat/Lot#:

Pipe Length: **37.844 ft**Cumulative Length: **5767.268 ft**Cumulative Weight: **132203.609 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14390 FT-LB**Final Turns: **19.096**Max RPM: **20.820**Delta Torque: **2750 FT-LB**Delta Turns: **0.006**Notes: **joint 154**



**Joint #: 155-A1****Count #: 2**Job: **5.5 production casing**

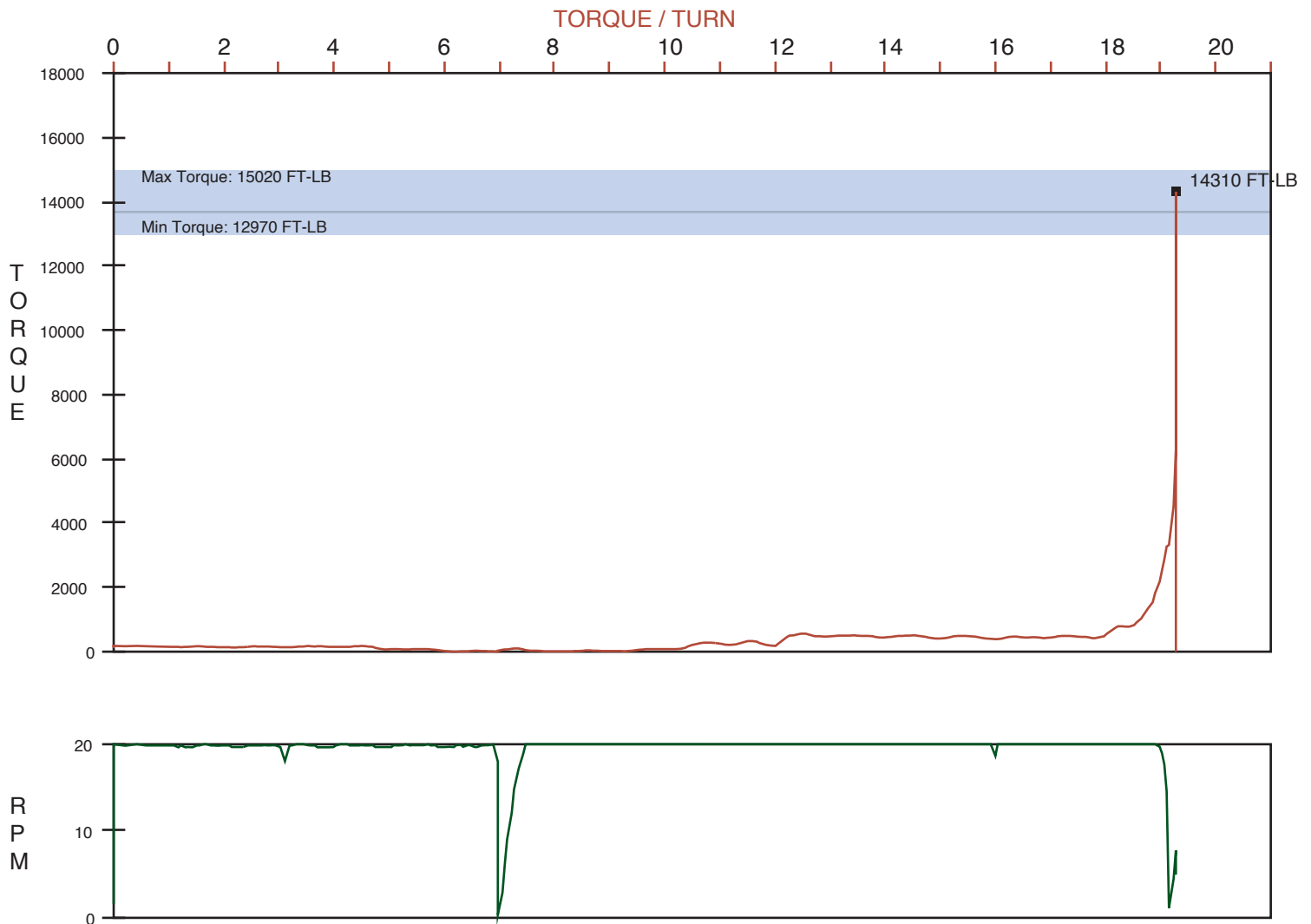
Serial#:

Time: **10/15/2023 5:33:35 AM**

Heat/Lot#:

Pipe Length: **19.249 ft**Cumulative Length: **5786.517 ft**Cumulative Weight: **132646.336 lbs**

Pipe:

■ Final Torque: **14310 FT-LB**Final Turns: **19.282**Max RPM: **22.380**Delta Torque: **3350 FT-LB**Delta Turns: **0.007**Notes: **pup C**

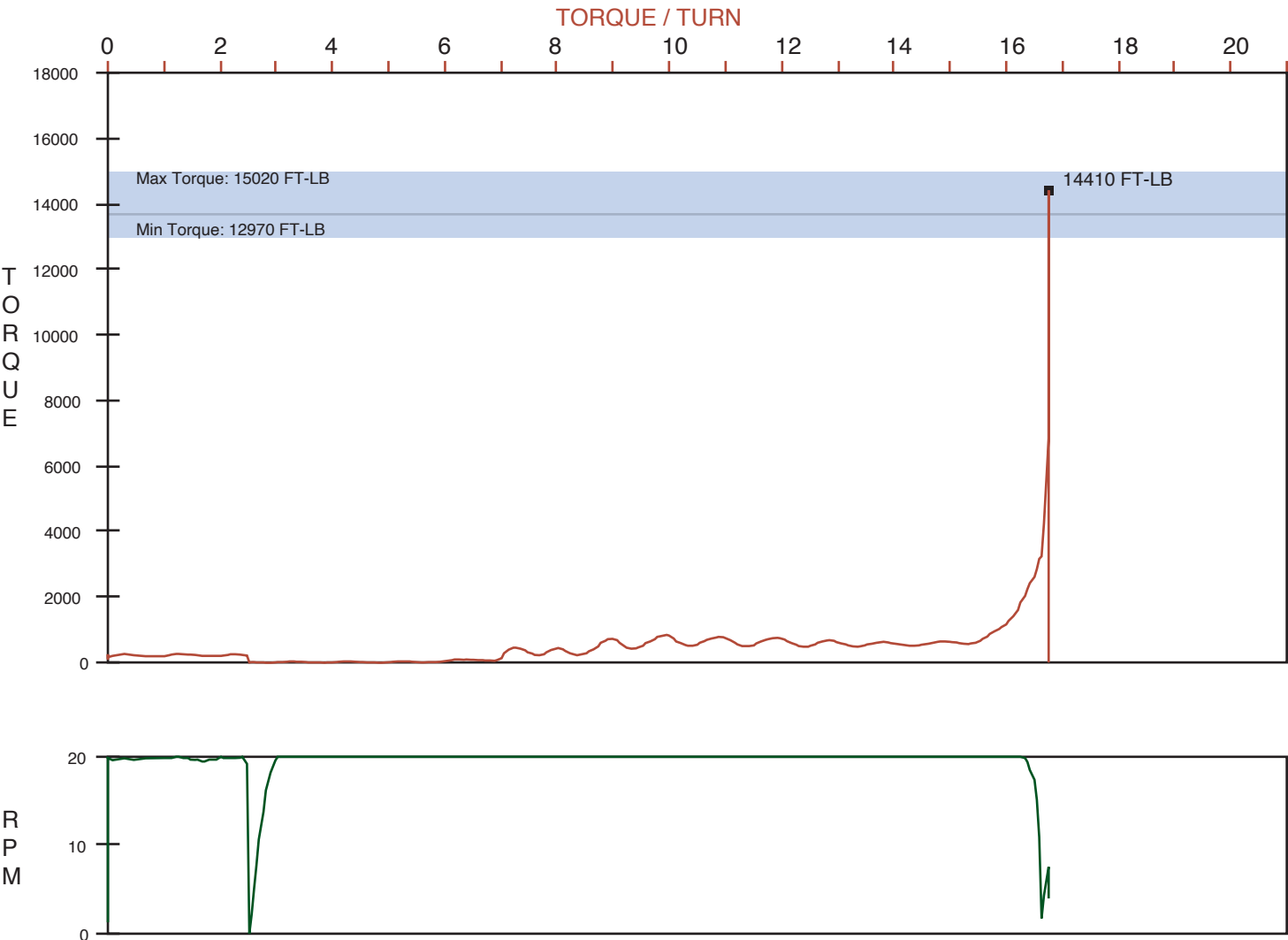
Joint #: 155

Count #: 155

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:37:08 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	5824.378 ft		
Cumulative Weight:	133517.139 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14410 FT-LB
Final Turns:	16.755
Max RPM:	20.820
Delta Torque:	3920 FT-LB
Delta Turns:	0.017

Notes: joint 155

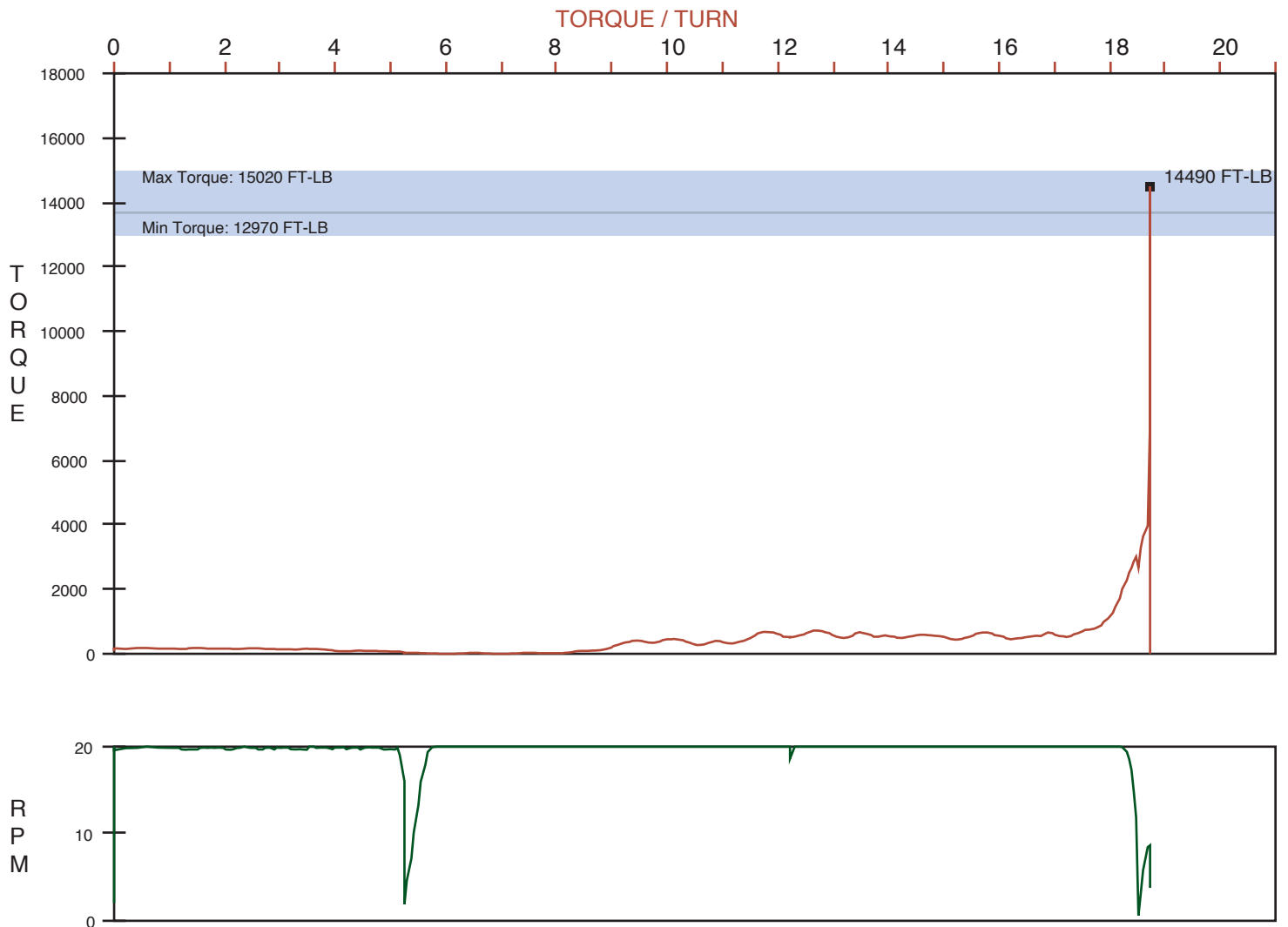


**Joint #: 156****Count #: 156**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:40:53 AM**

Heat/Lot#:

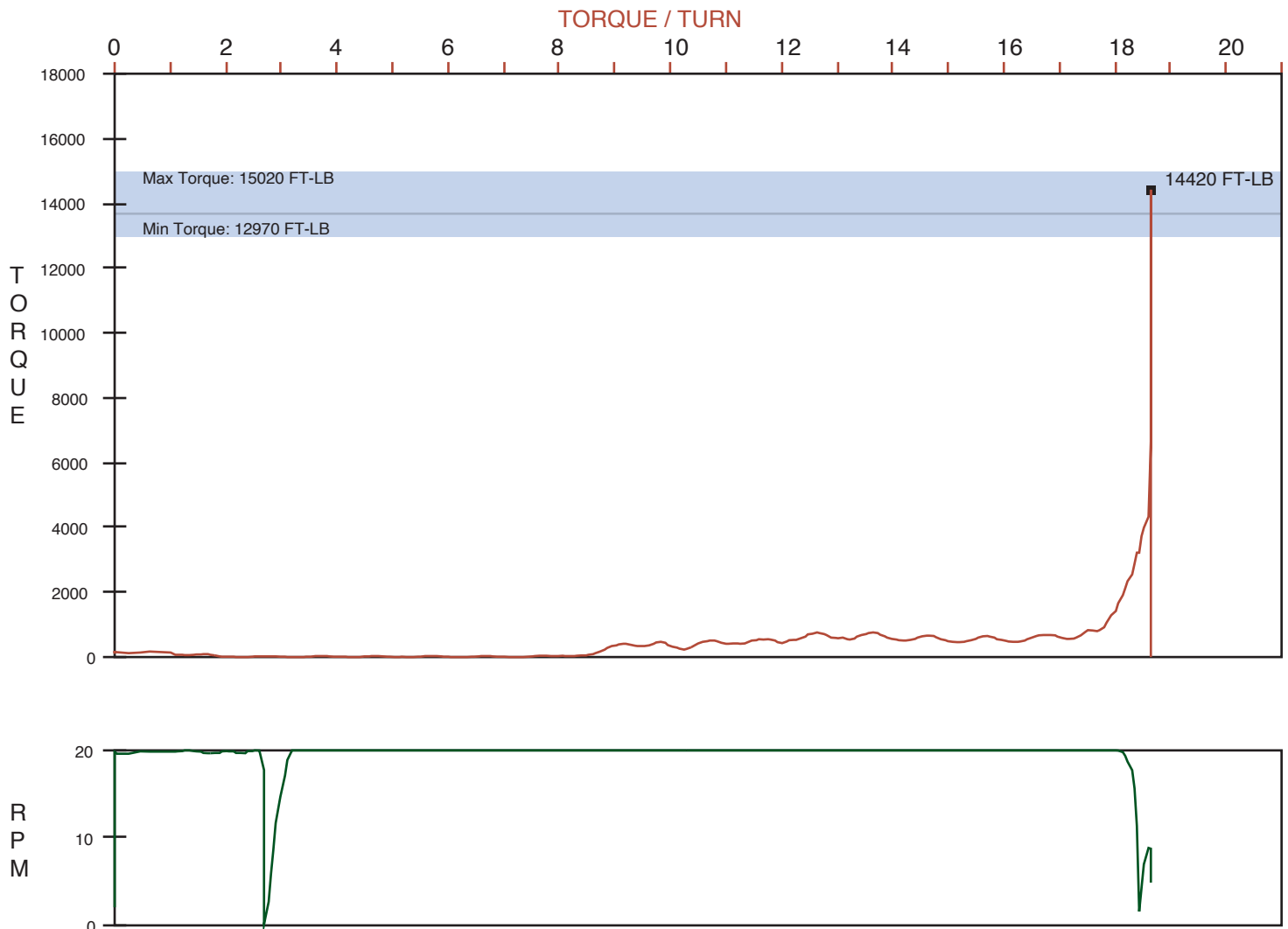
Pipe Length: **37.861 ft**Cumulative Length: **5862.239 ft**Cumulative Weight: **134387.942 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14490 FT-LB**Final Turns: **18.743**Max RPM: **22.320**Delta Torque: **10850 FT-LB**Delta Turns: **0.149**Notes: **joint 156**

**Joint #: 157****Count #: 157**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:44:50 AM**

Heat/Lot#:

Pipe Length: **37.861 ft**Cumulative Length: **5900.100 ft**Cumulative Weight: **135258.745 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14420 FT-LB**Final Turns: **18.662**Max RPM: **20.850**Delta Torque: **10350 FT-LB**Delta Turns: **0.140**Notes: **joint 157**

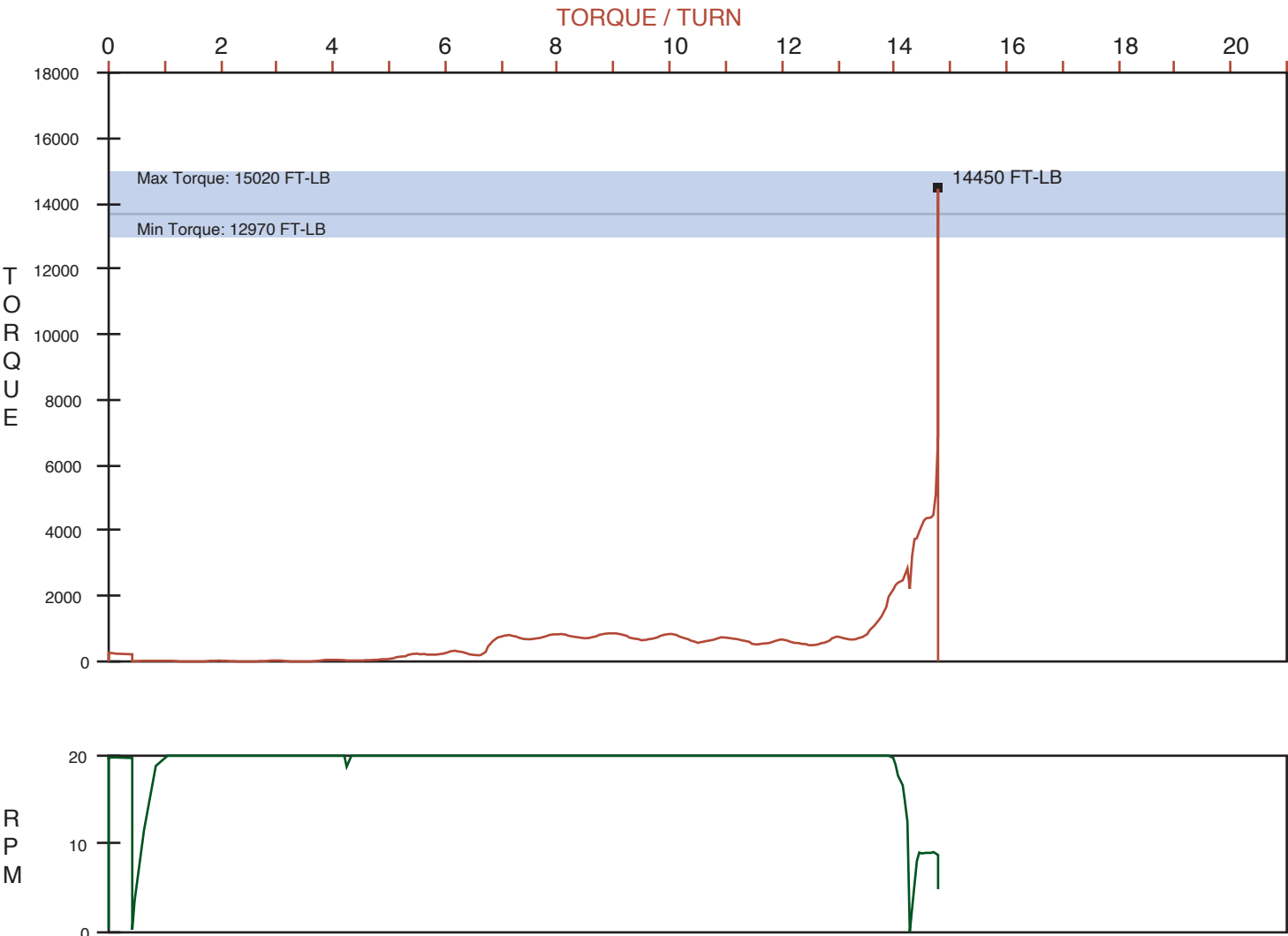
Joint #: 158

Count #: 158

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:48:38 AM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	5937.958 ft		
Cumulative Weight:	136129.479 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14450 FT-LB
Final Turns:	14.794
Max RPM:	22.470
Delta Torque:	10040 FT-LB
Delta Turns:	0.170

Notes: joint 158



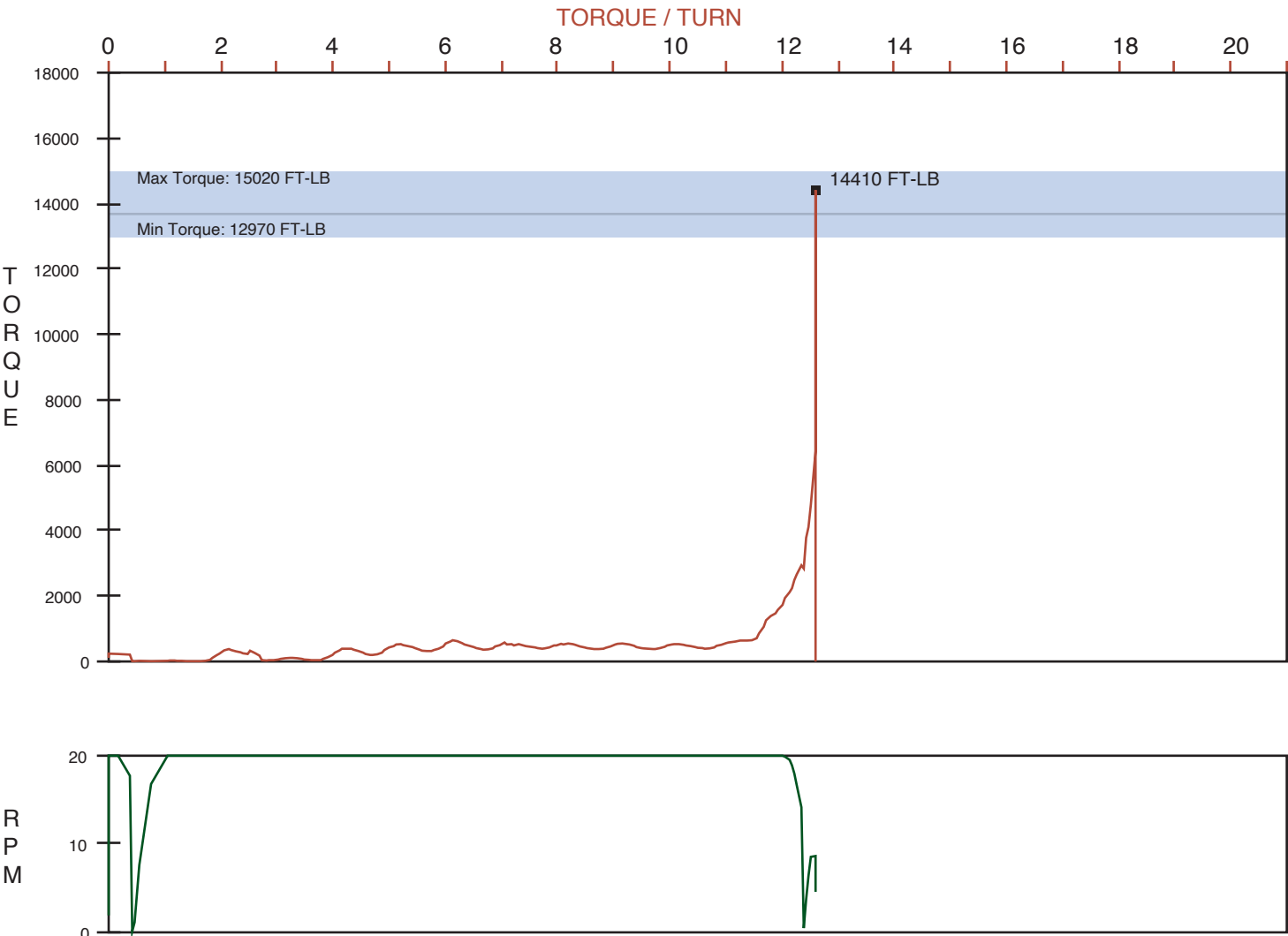
Joint #: 159

Count #: 159

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:51:52 AM	Heat/Lot#:	
Pipe Length:	37.854 ft		
Cumulative Length:	5975.812 ft		
Cumulative Weight:	137000.121 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14410 FT-LB
Final Turns:	12.582
Max RPM:	20.790
Delta Torque:	10910 FT-LB
Delta Turns:	0.192

Notes: joint 159

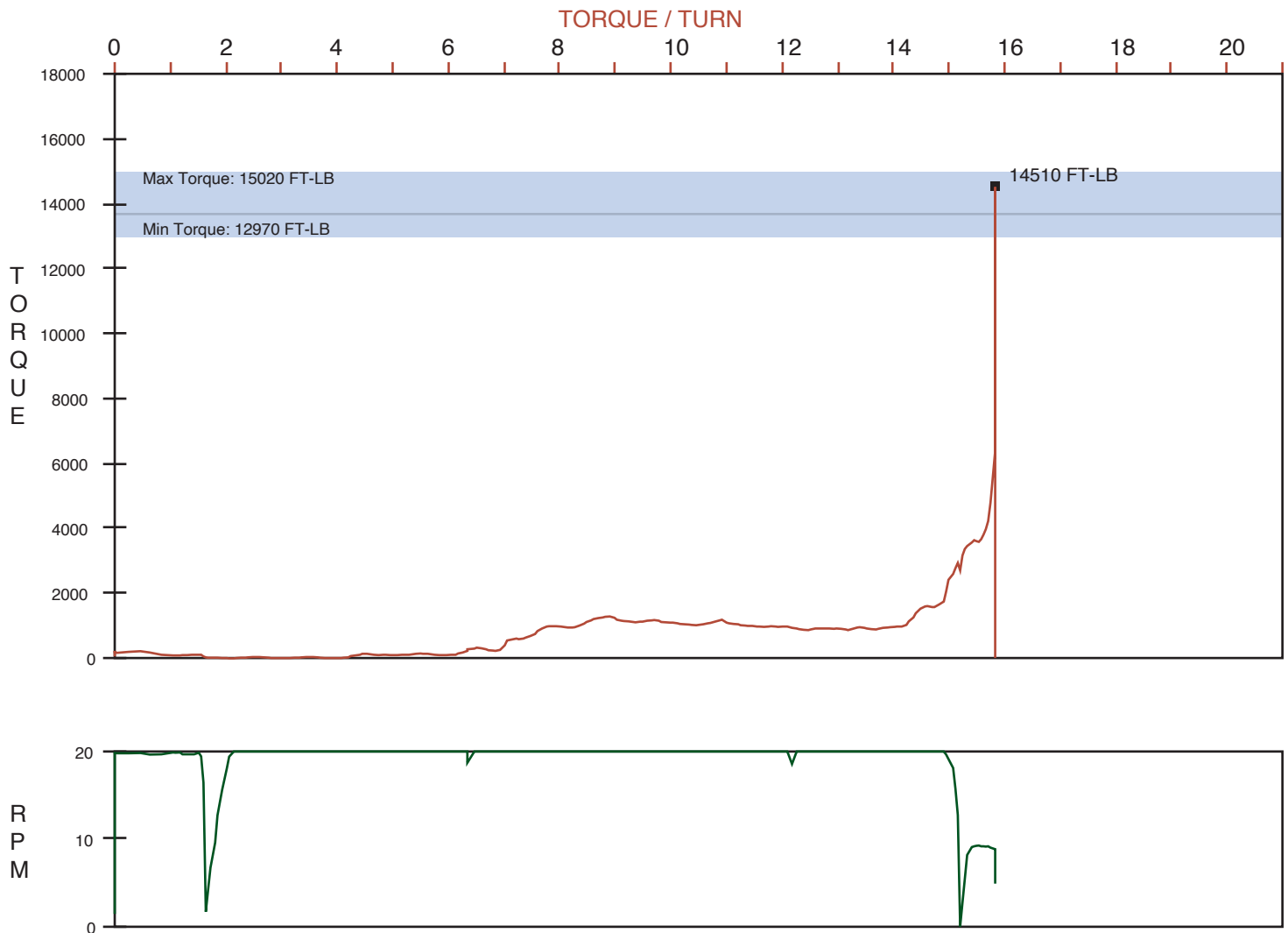


**Joint #: 160****Count #: 160**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:55:38 AM**

Heat/Lot#:

Pipe Length: **37.831 ft**Cumulative Length: **6013.643 ft**Cumulative Weight: **137870.234 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14510 FT-LB**Final Turns: **15.824**Max RPM: **22.410**Delta Torque: **10360 FT-LB**Delta Turns: **0.154**Notes: **joint 160**

**Joint #: 161****Count #: 161**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:12:57 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	6051.504 ft		
Cumulative Weight:	138741.037 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14710 FT-LB

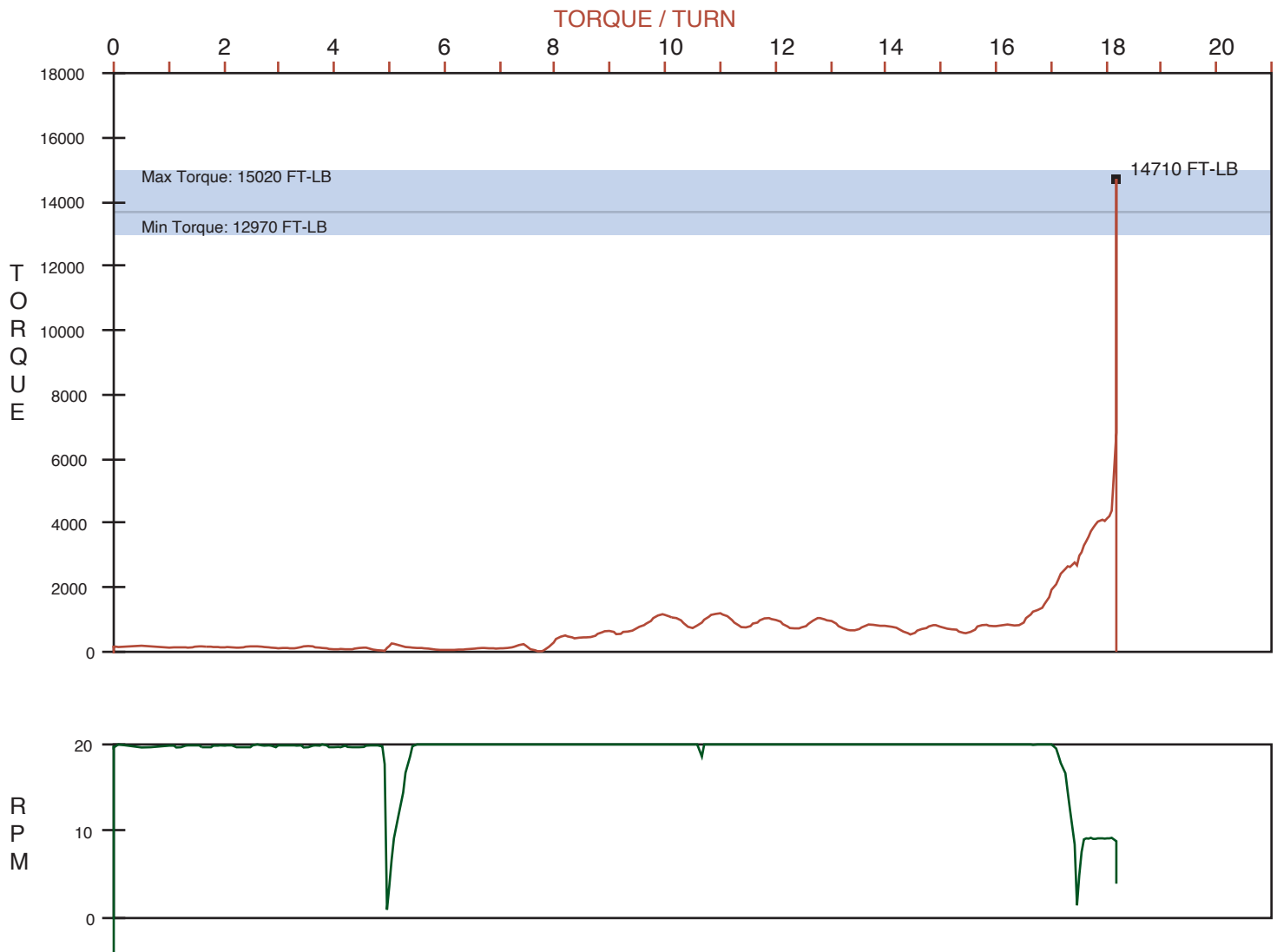
Final Turns: 18.175

Max RPM: 22.080

Delta Torque: 10490 FT-LB

Delta Turns: 0.155

Notes: joint 161



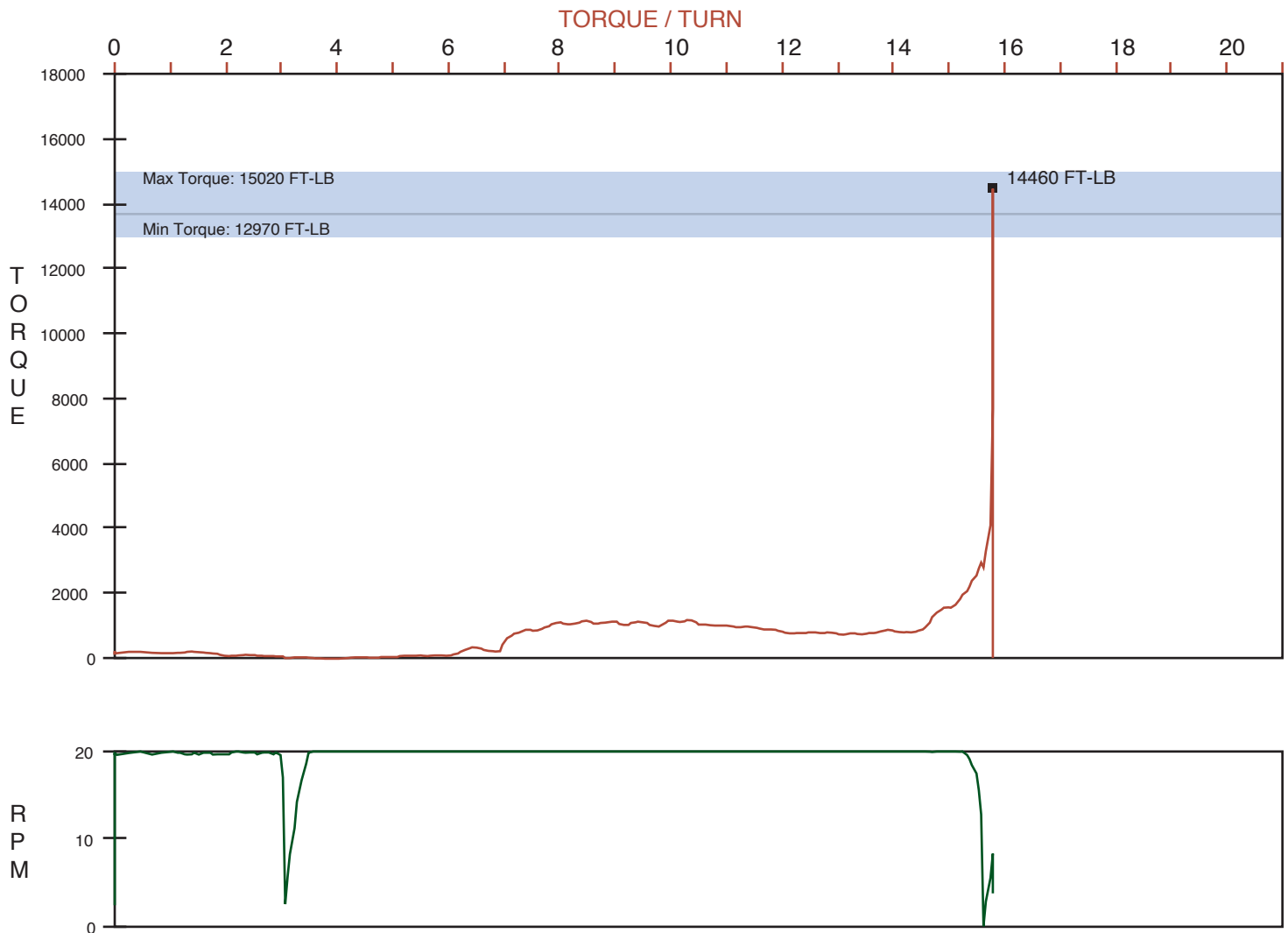


**Joint #: 162****Count #: 162**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:16:58 AM**

Heat/Lot#:

Pipe Length: **37.844 ft**Cumulative Length: **6089.348 ft**Cumulative Weight: **139611.449 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14460 FT-LB**Final Turns: **15.792**Max RPM: **20.820**Delta Torque: **11170 FT-LB**Delta Turns: **0.148**Notes: **joint 162**

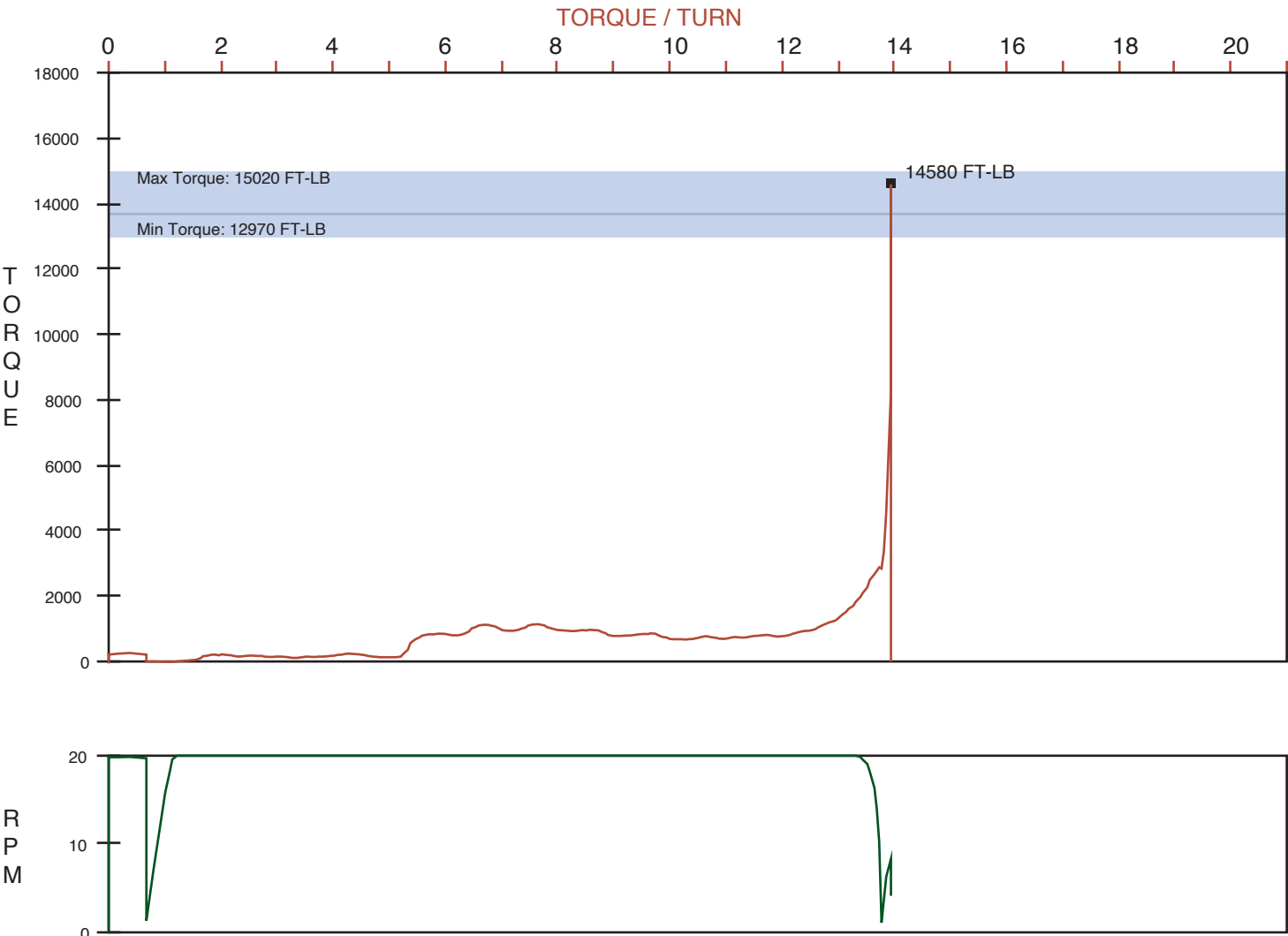
Joint #: 163

Count #: 163

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:20:48 AM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	6127.192 ft		
Cumulative Weight:	140481.861 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14580 FT-LB
Final Turns:	13.933
Max RPM:	20.820
Delta Torque:	12000 FT-LB
Delta Turns:	0.199

Notes: joint 163

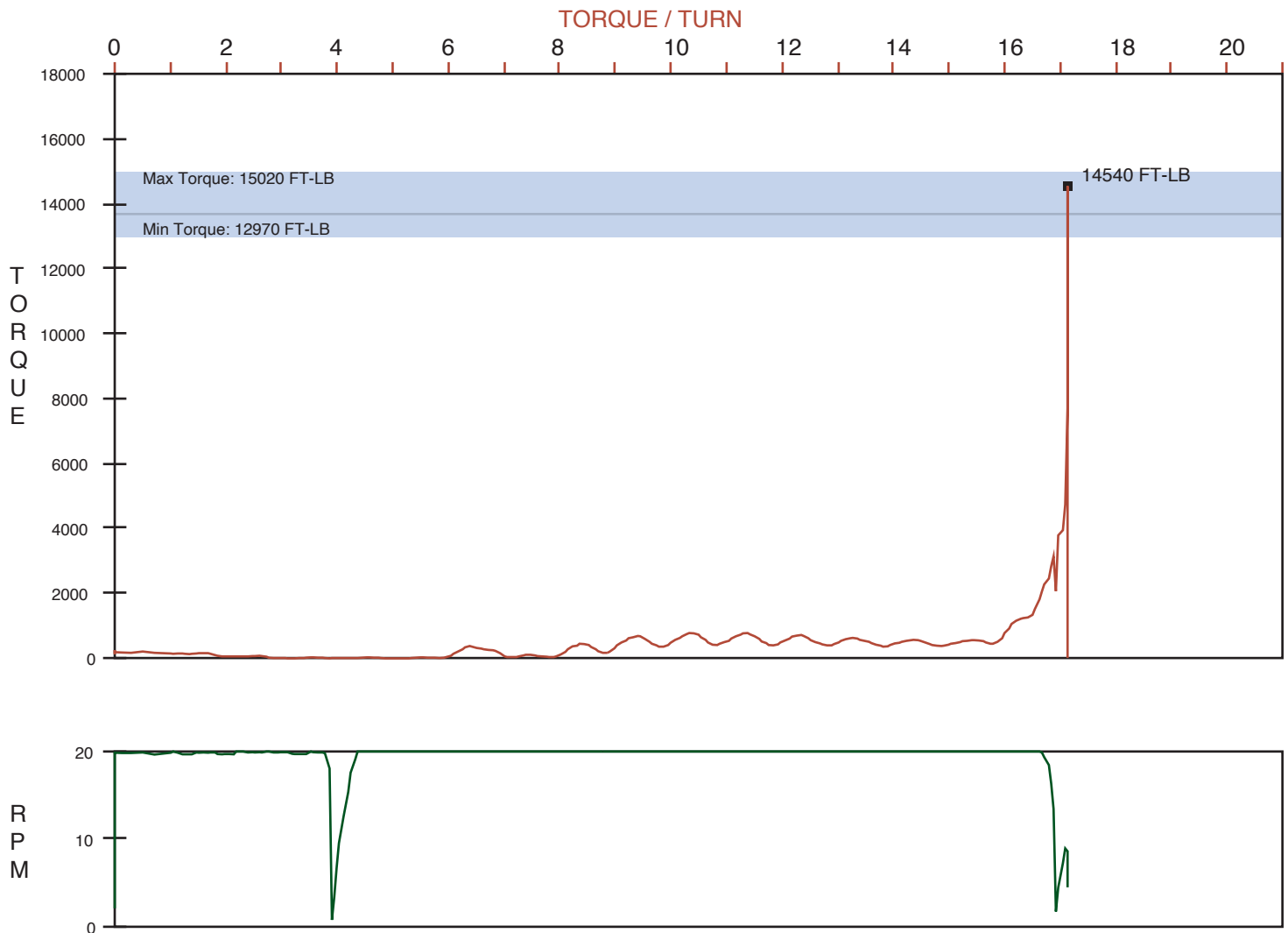


**Joint #: 164****Count #: 164**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:24:19 AM**

Heat/Lot#:

Pipe Length: **37.851 ft**Cumulative Length: **6165.043 ft**Cumulative Weight: **141352.434 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14540 FT-LB**Final Turns: **17.15**Max RPM: **20.850**Delta Torque: **10600 FT-LB**Delta Turns: **0.146**Notes: **joint 164**

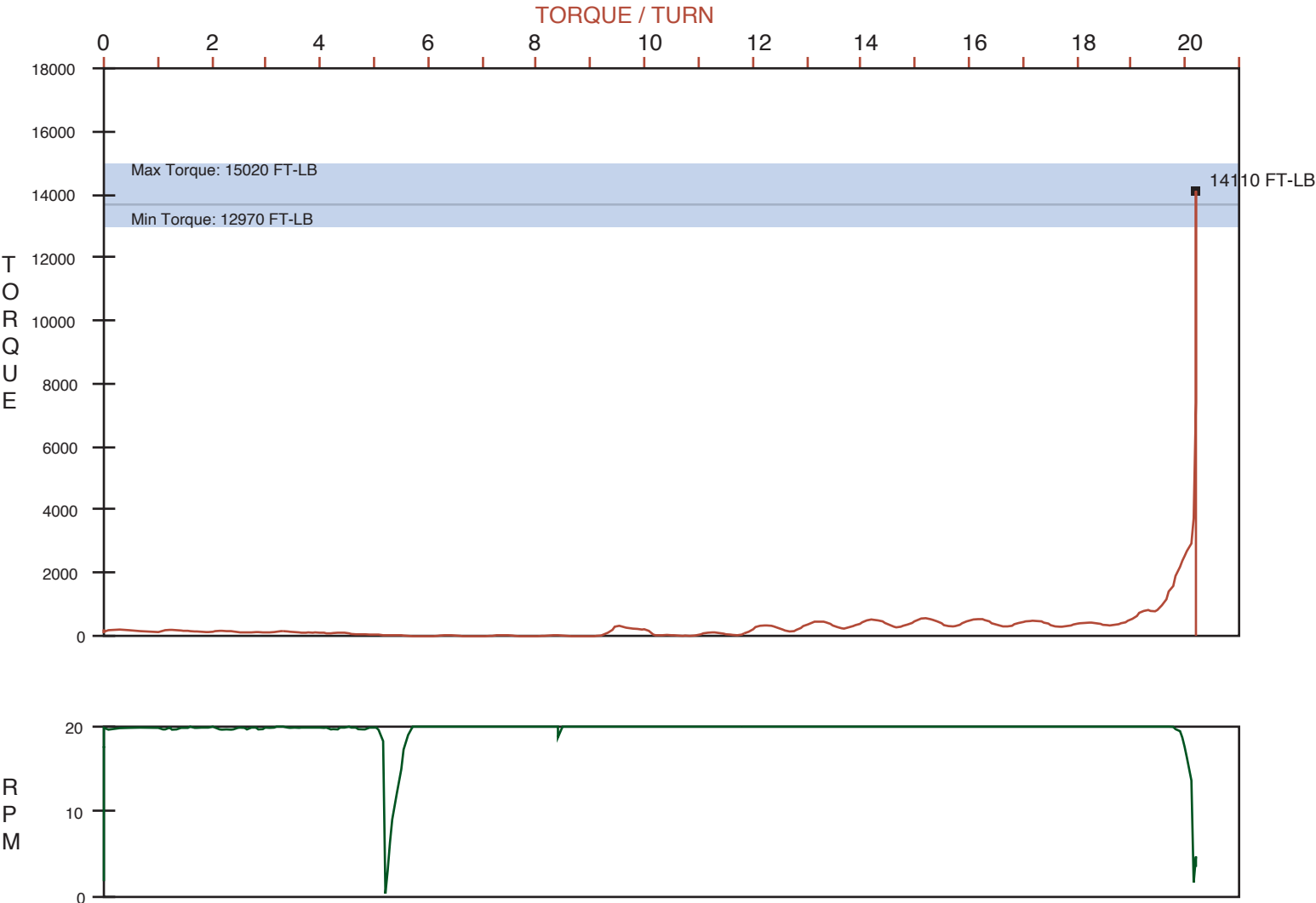
Joint #: 165

Count #: 165

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:28:20 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	6202.904 ft		
Cumulative Weight:	142223.237 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14110 FT-LB
Final Turns:	20.214
Max RPM:	22.470
Delta Torque:	11470 FT-LB
Delta Turns:	0.126

Notes: joint 165



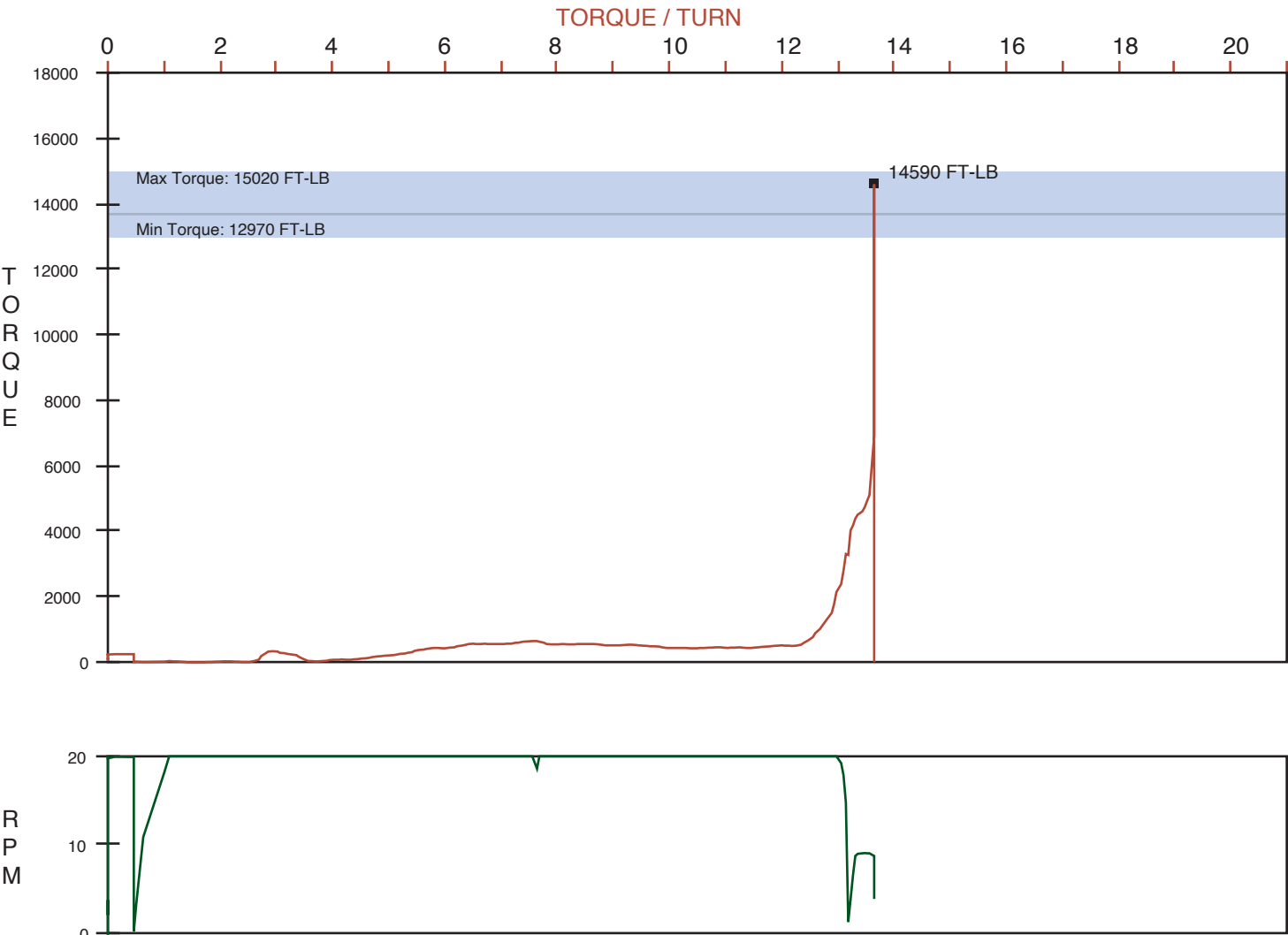
Joint #: 166

Count #: 166

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:32:09 AM	Heat/Lot#:	
Pipe Length:	37.851 ft		
Cumulative Length:	6240.755 ft		
Cumulative Weight:	143093.810 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14590 FT-LB
Final Turns:	13.634
Max RPM:	22.350
Delta Torque:	9670 FT-LB
Delta Turns:	0.152

Notes: joint 166



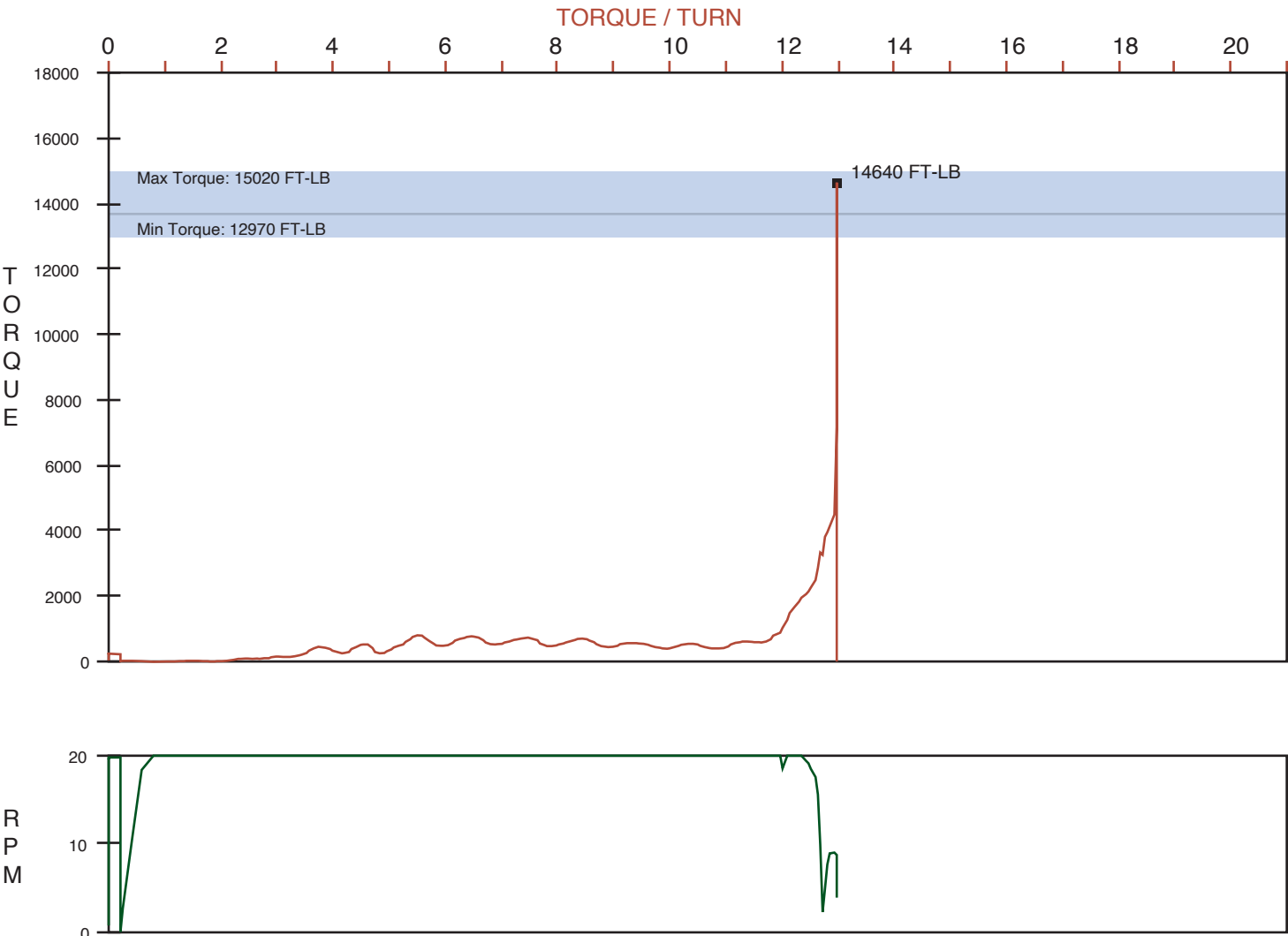
Joint #: 167

Count #: 167

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:35:27 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	6278.583 ft		
Cumulative Weight:	143963.854 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14640 FT-LB
Final Turns:	12.994
Max RPM:	21.930
Delta Torque:	10510 FT-LB
Delta Turns:	0.154

Notes: joint 167



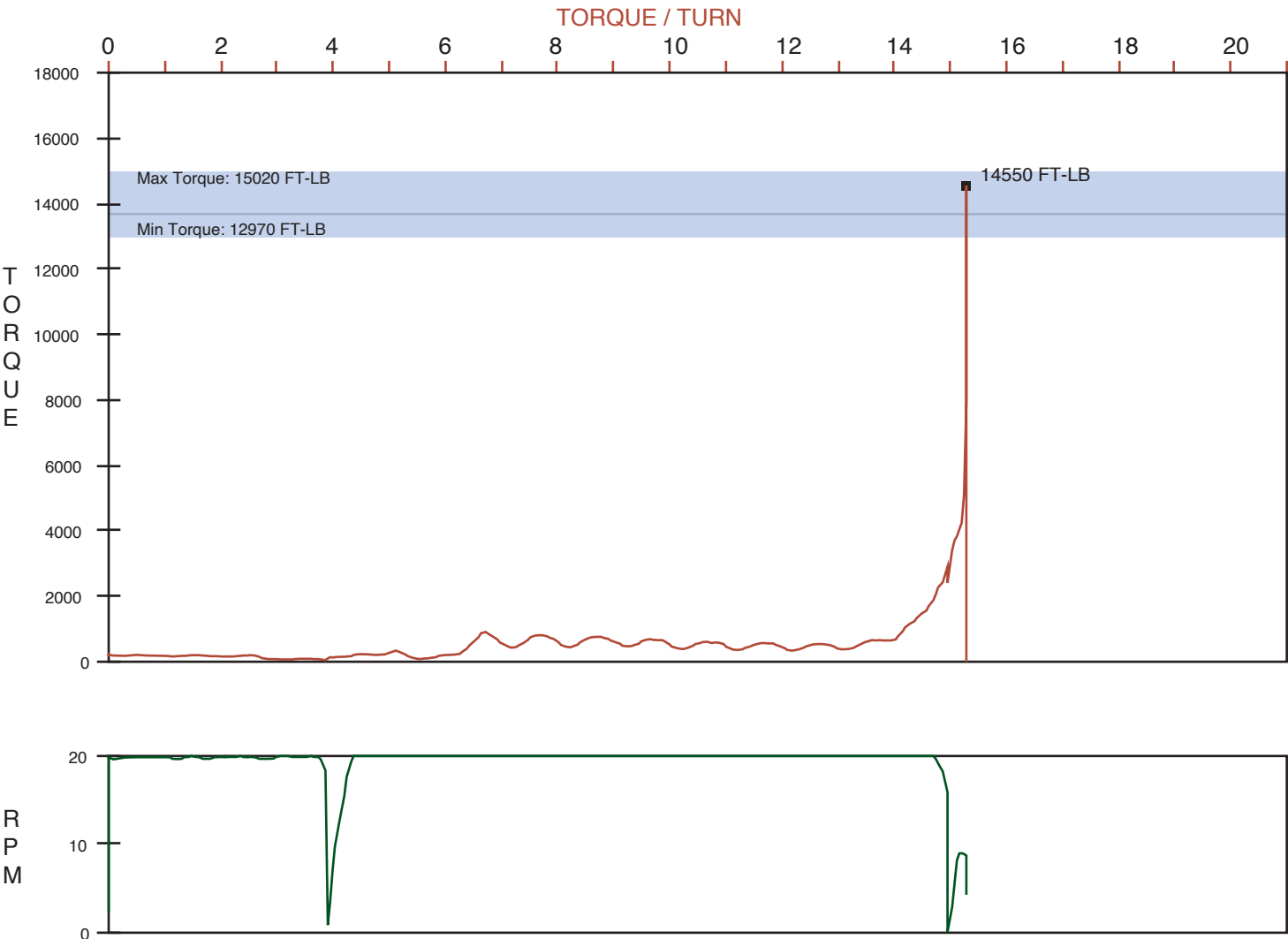
Joint #: 168

Count #: 168

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:38:52 AM	Heat/Lot#:	
Pipe Length:	37.789 ft		
Cumulative Length:	6316.372 ft		
Cumulative Weight:	144833.001 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14550 FT-LB
Final Turns:	15.296
Max RPM:	21.660
Delta Torque:	10380 FT-LB
Delta Turns:	0.144

Notes: joint 168

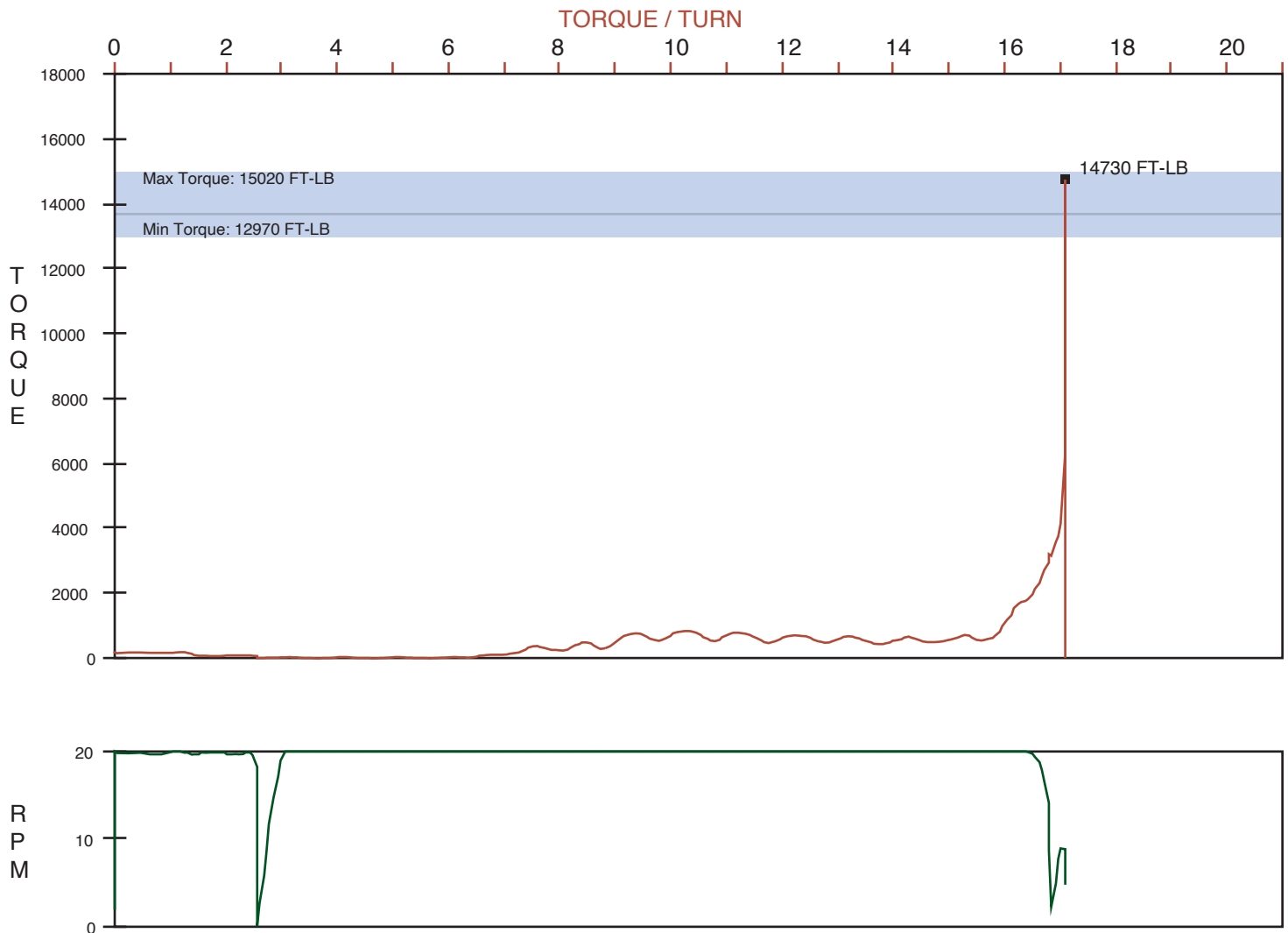


**Joint #: 169****Count #: 169**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:42:28 AM**

Heat/Lot#:

Pipe Length: **37.835 ft**Cumulative Length: **6354.207 ft**Cumulative Weight: **145703.206 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14730 FT-LB**Final Turns: **17.076**Max RPM: **20.850**Delta Torque: **10980 FT-LB**Delta Turns: **0.154**Notes: **joint 169**



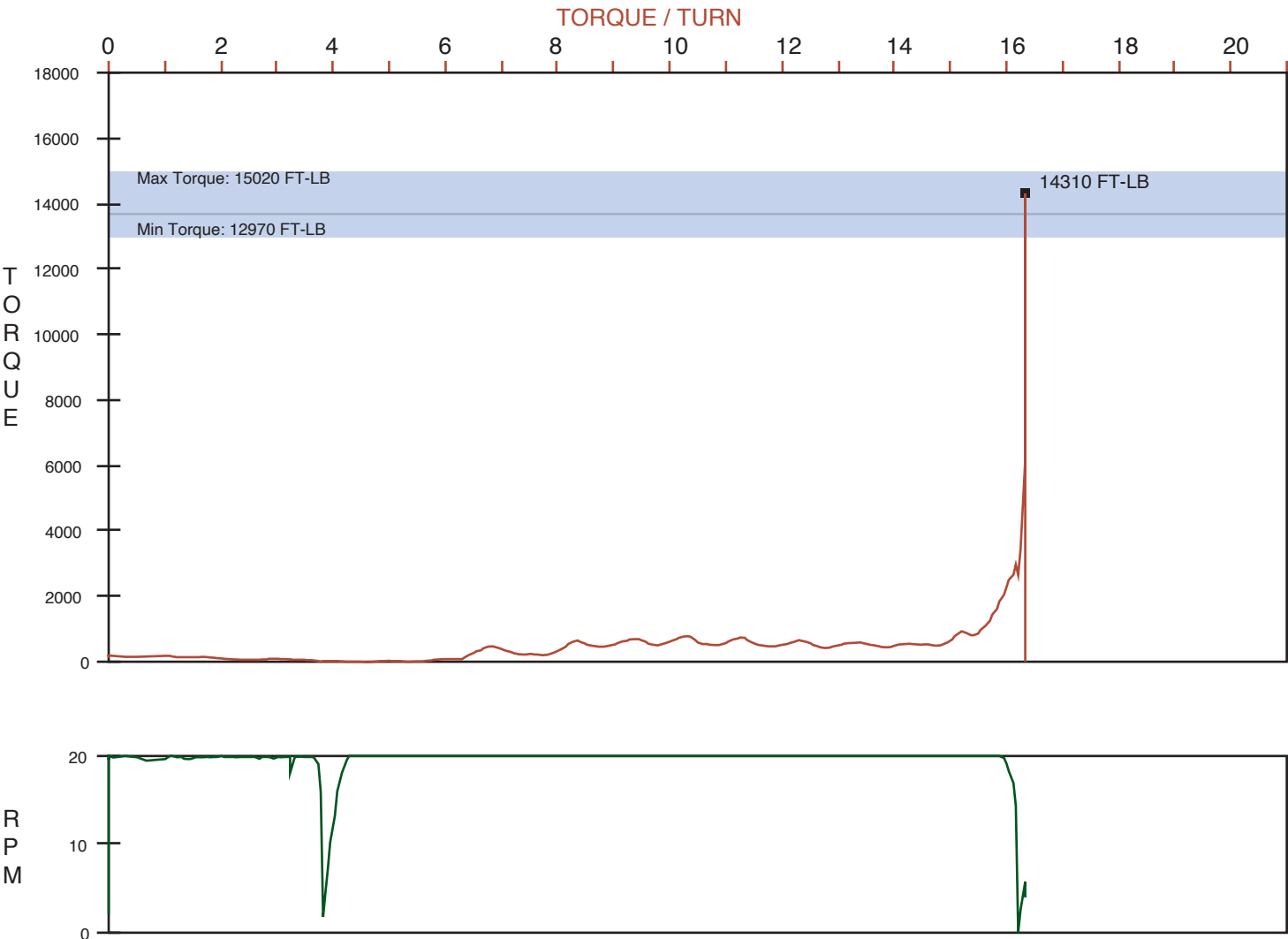
Joint #: 170

Count #: 170

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:46:02 AM	Heat/Lot#:	
Pipe Length:	37.851 ft		
Cumulative Length:	6392.058 ft		
Cumulative Weight:	146573.779 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14310 FT-LB
Final Turns:	16.32
Max RPM:	21.690
Delta Torque:	11660 FT-LB
Delta Turns:	0.15

Notes: joint 170



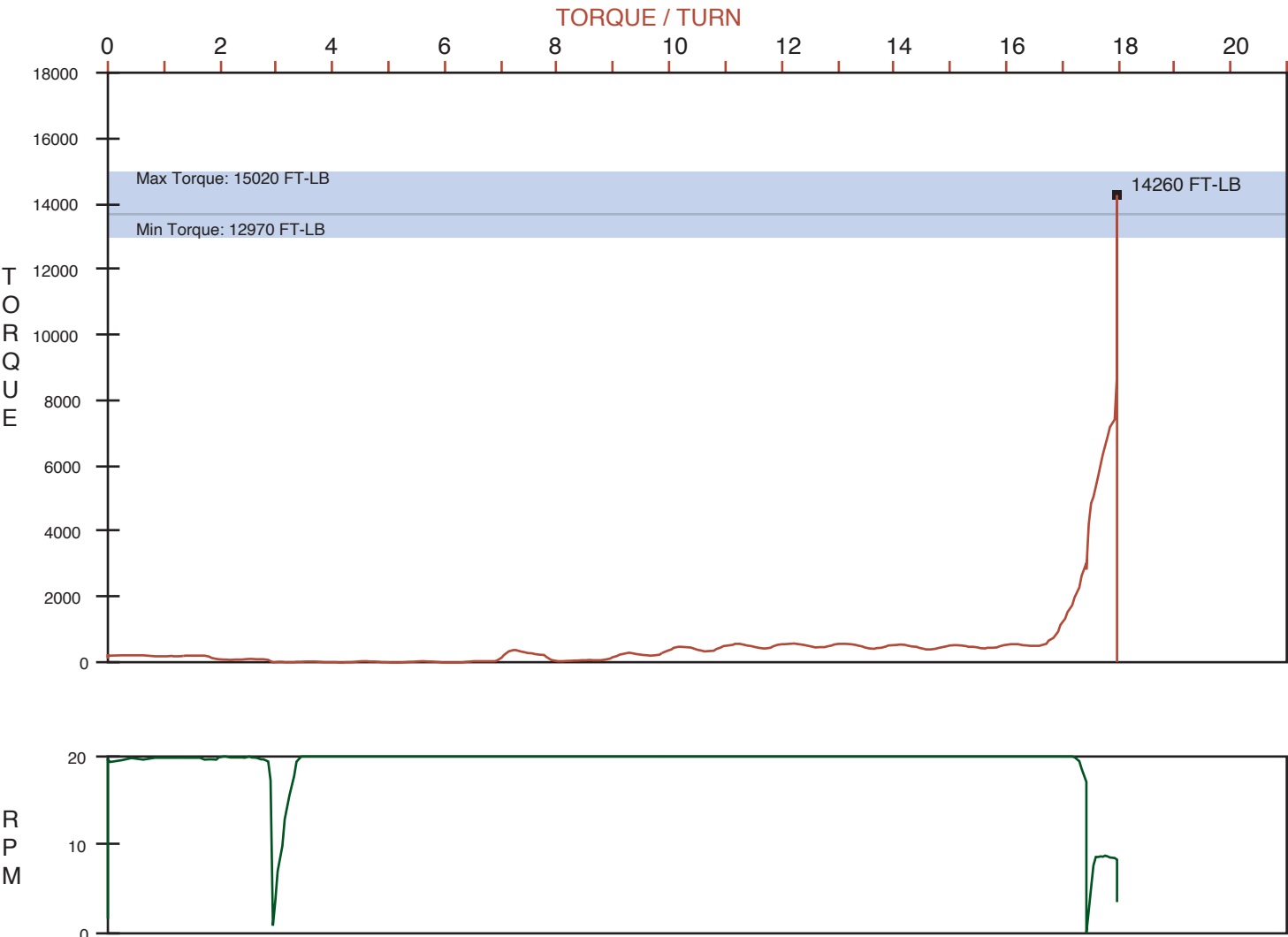
Joint #: 171

Count #: 171

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:50:00 AM	Heat/Lot#:	
Pipe Length:	37.795 ft		
Cumulative Length:	6429.853 ft		
Cumulative Weight:	147443.064 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14260 FT-LB
Final Turns:	17.984
Max RPM:	20.820
Delta Torque:	7080 FT-LB
Delta Turns:	0.144

Notes: joint 171



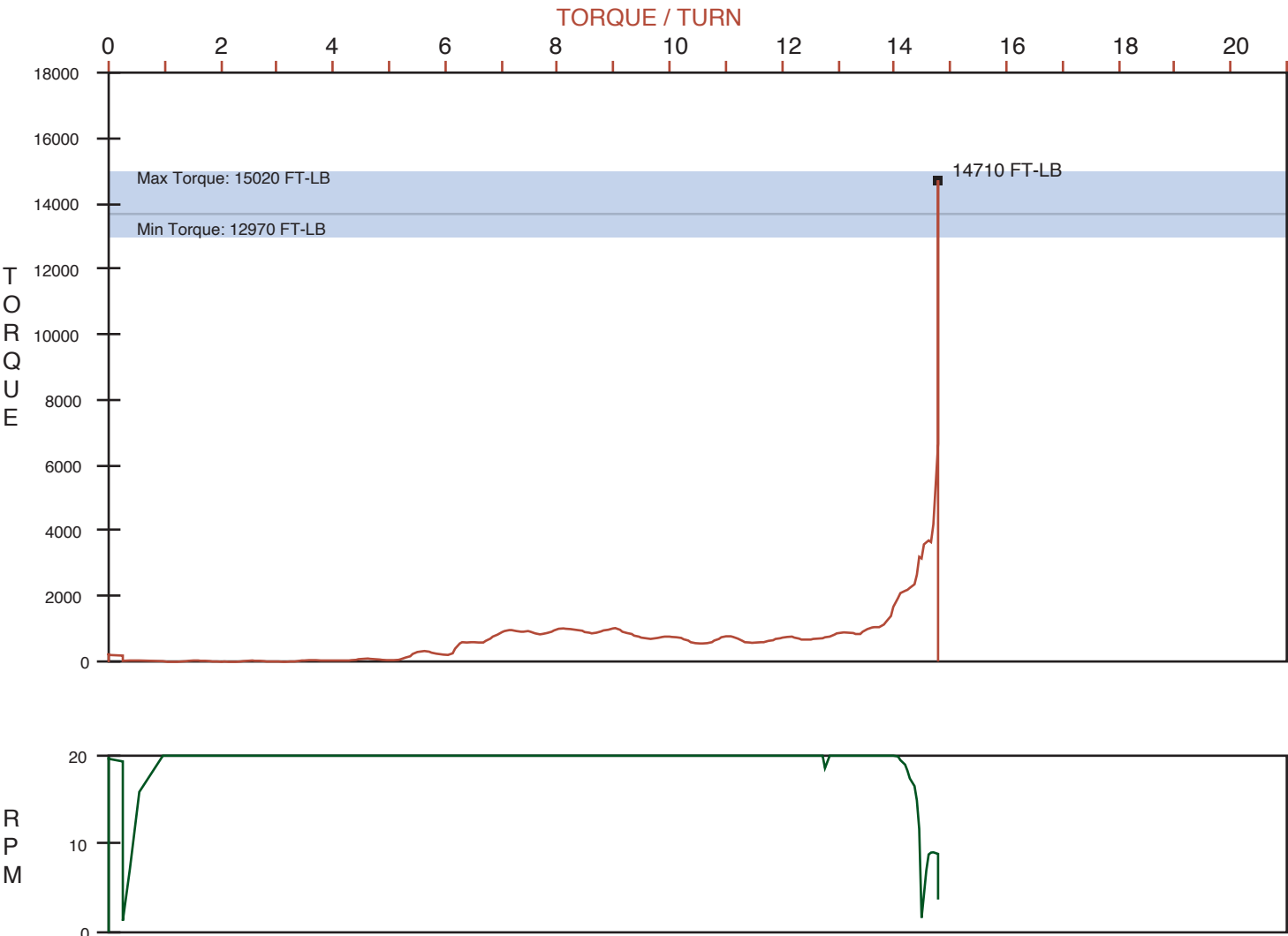
Joint #: 172

Count #: 172

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:53:53 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	6467.681 ft		
Cumulative Weight:	148313.108 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14710 FT-LB
Final Turns:	14.782
Max RPM:	22.260
Delta Torque:	11040 FT-LB
Delta Turns:	0.150

Notes: joint 172

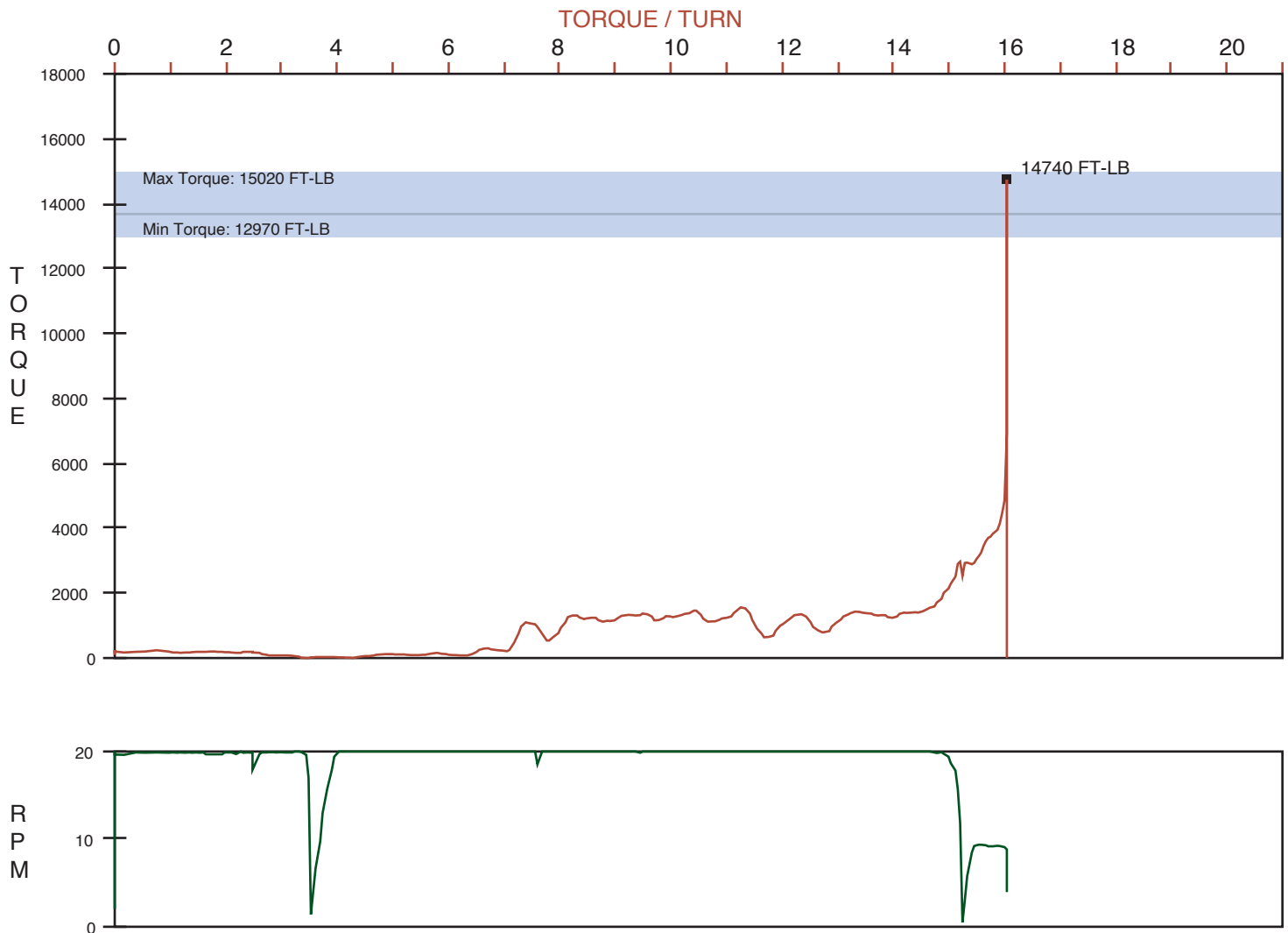


**Joint #: 173****Count #: 173**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:57:38 AM**

Heat/Lot#:

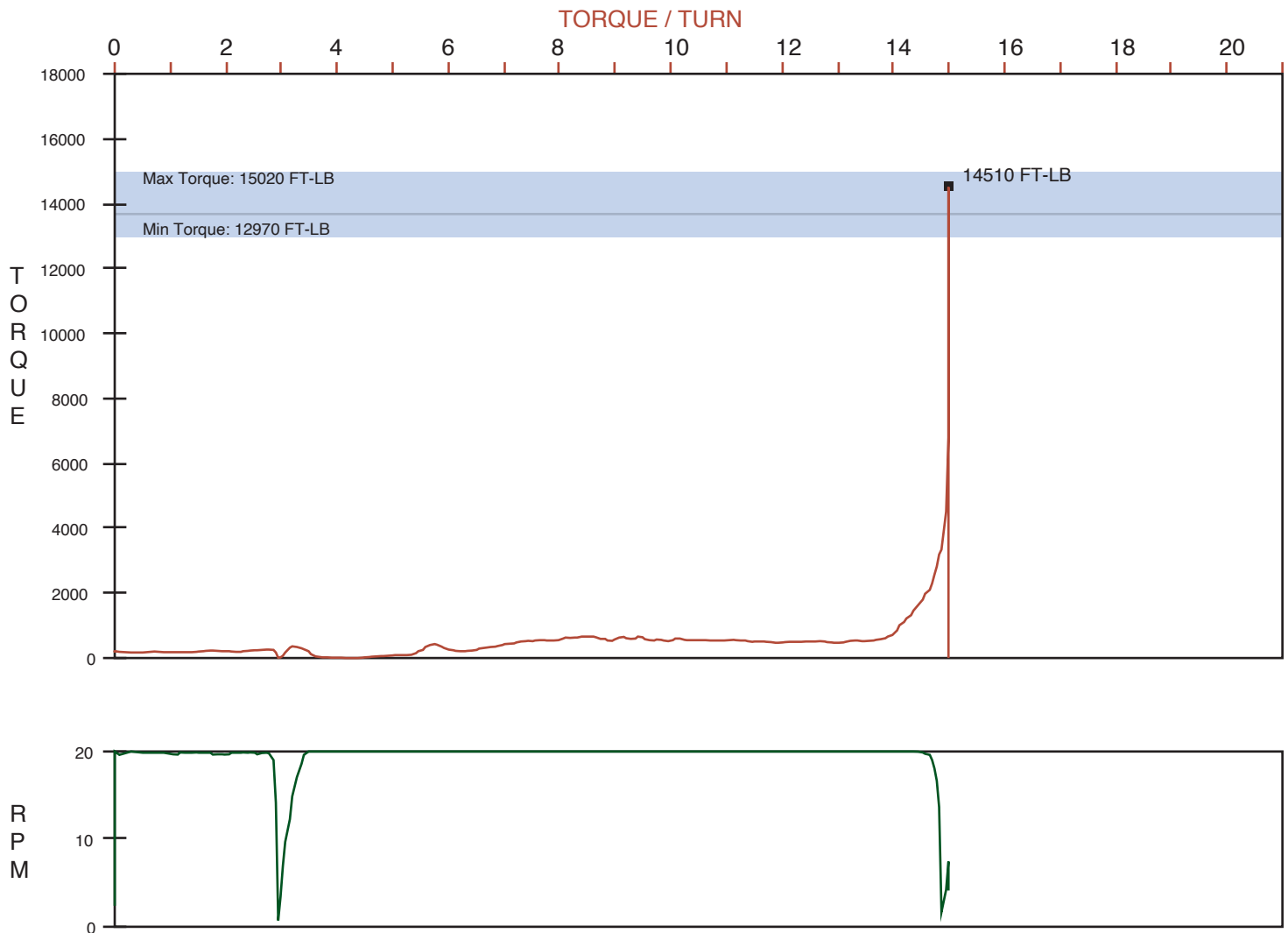
Pipe Length: **37.844 ft**Cumulative Length: **6505.525 ft**Cumulative Weight: **149183.520 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14740 FT-LB**Final Turns: **16.058**Max RPM: **22.290**Delta Torque: **10270 FT-LB**Delta Turns: **0.139**Notes: **joint 173**

**Joint #: 174****Count #: 174**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 7:00:59 AM**

Heat/Lot#:

Pipe Length: **37.861 ft**Cumulative Length: **6543.386 ft**Cumulative Weight: **150054.323 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14510 FT-LB**Final Turns: **14.995**Max RPM: **20.820**Delta Torque: **11170 FT-LB**Delta Turns: **0.139**Notes: **joint 174**

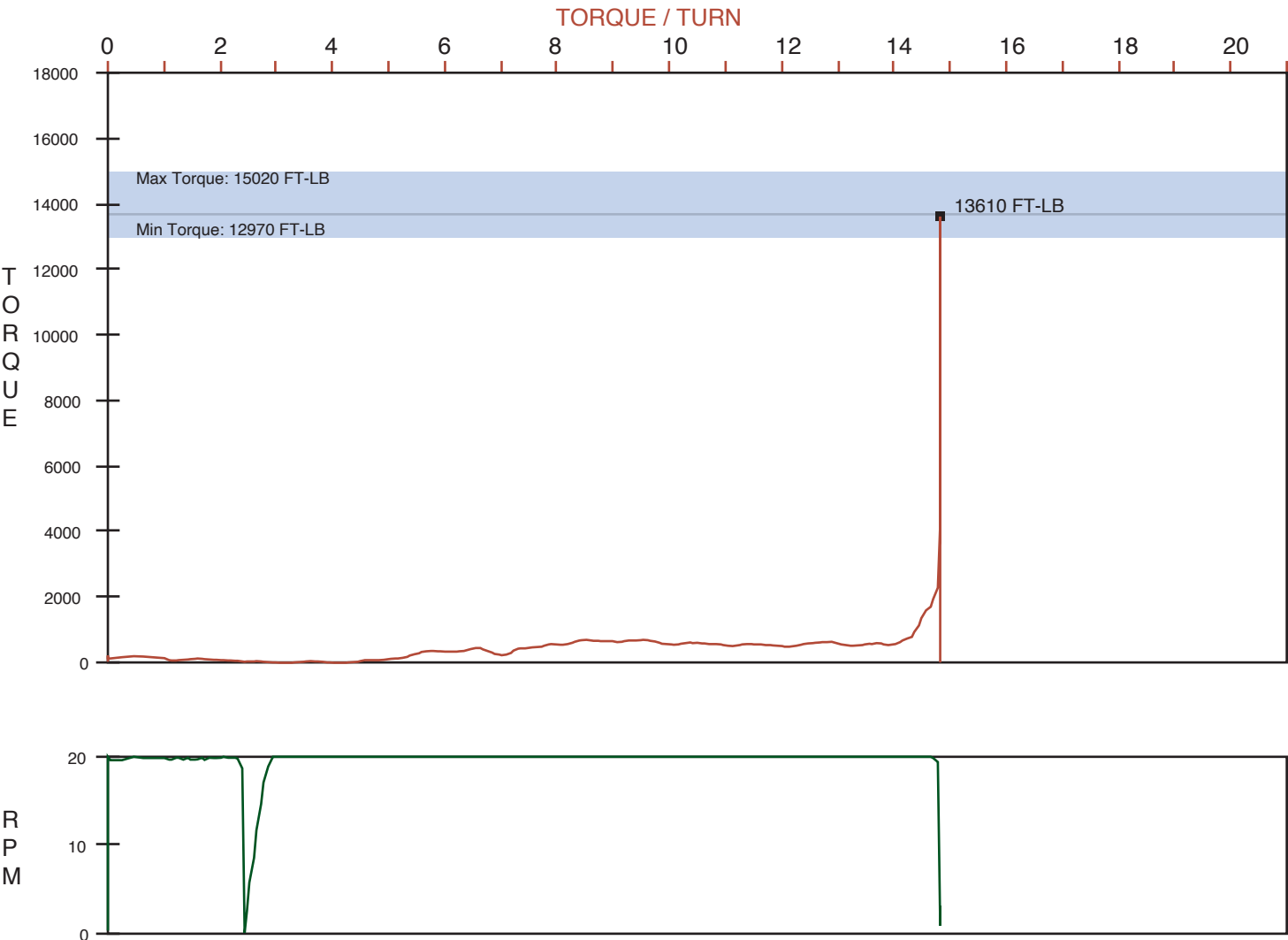
Joint #: 175

Count #: 175

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 7:05:36 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	6581.247 ft		
Cumulative Weight:	150925.126 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13610 FT-LB
Final Turns:	14.846
Max RPM:	20.820
Delta Torque:	3610 FT-LB
Delta Turns:	0.009

Notes: joint 175

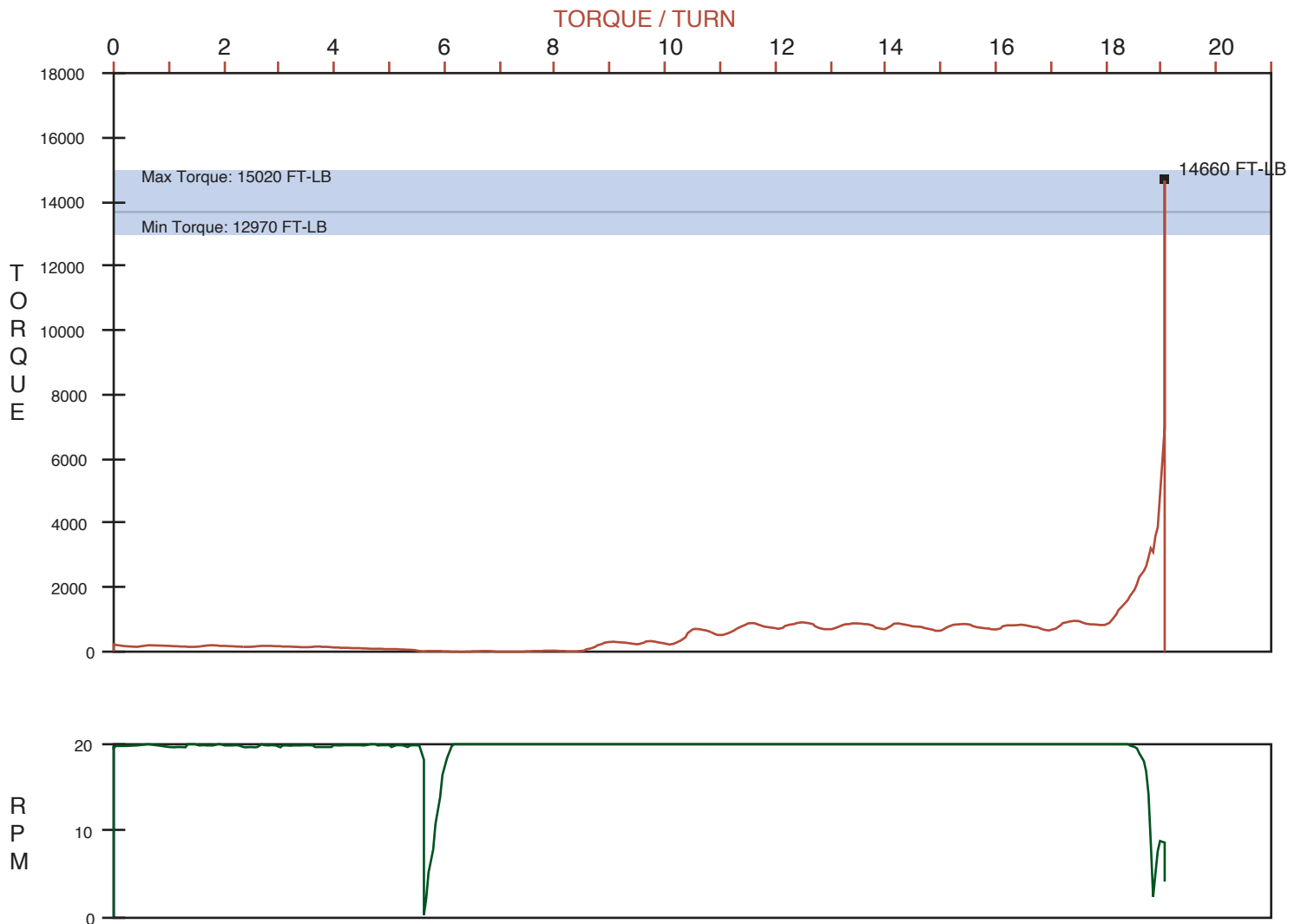


**Joint #: 176****Count #: 176**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 7:09:15 AM**

Heat/Lot#:

Pipe Length: **37.844 ft**Cumulative Length: **6619.091 ft**Cumulative Weight: **151795.538 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14660 FT-LB**Final Turns: **19.050**Max RPM: **20.850**Delta Torque: **5000 FT-LB**Delta Turns: **0.018**Notes: **joint 176**

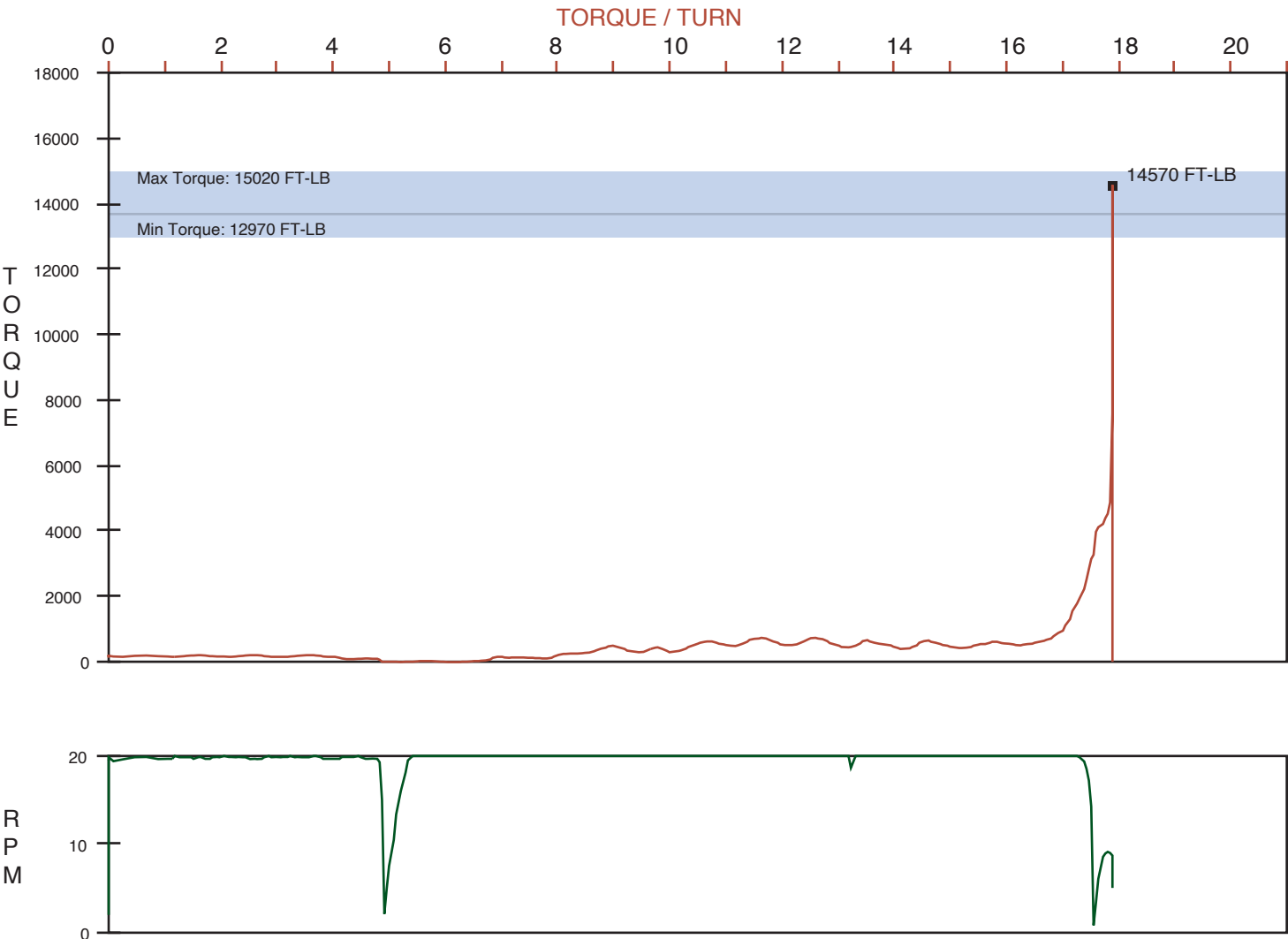
Joint #: 177

Count #: 177

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 7:13:09 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	6656.919 ft		
Cumulative Weight:	152665.582 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14570 FT-LB
Final Turns:	17.908
Max RPM:	22.320
Delta Torque:	3220 FT-LB
Delta Turns:	0.008

Notes: joint 177



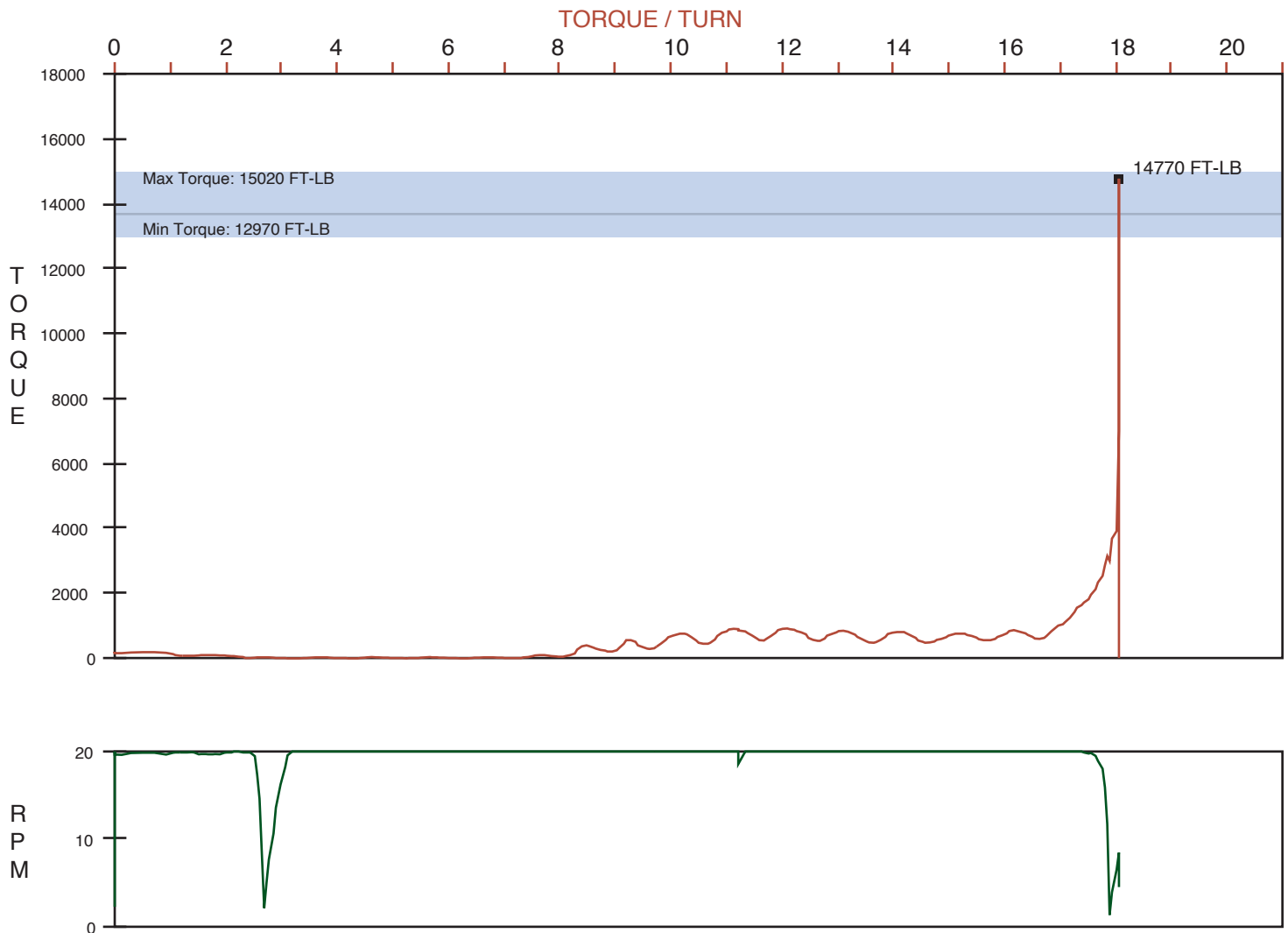


**Joint #: 178****Count #: 178**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 7:17:25 AM**

Heat/Lot#:

Pipe Length: **37.818 ft**Cumulative Length: **6694.737 ft**Cumulative Weight: **153535.396 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14770 FT-LB**Final Turns: **18.060**Max RPM: **22.290**Delta Torque: **7770 FT-LB**Delta Turns: **0.049**Notes: **joint 178**

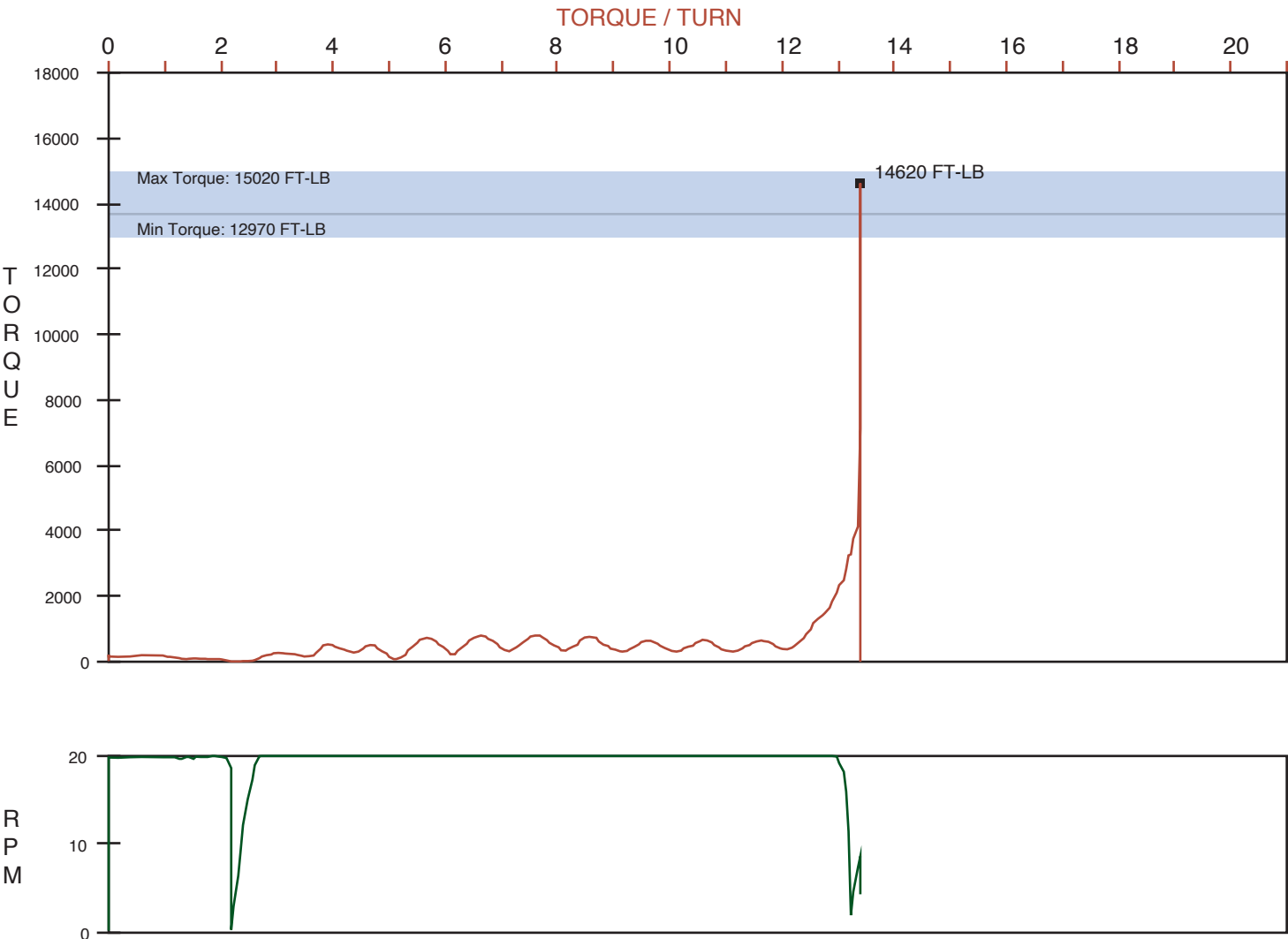
Joint #: 179

Count #: 179

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 7:20:32 AM	Heat/Lot#:	
Pipe Length:	37.867 ft		
Cumulative Length:	6732.604 ft		
Cumulative Weight:	154406.337 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14620 FT-LB
Final Turns:	13.397
Max RPM:	20.790
Delta Torque:	3800 FT-LB
Delta Turns:	0.011

Notes: joint 179



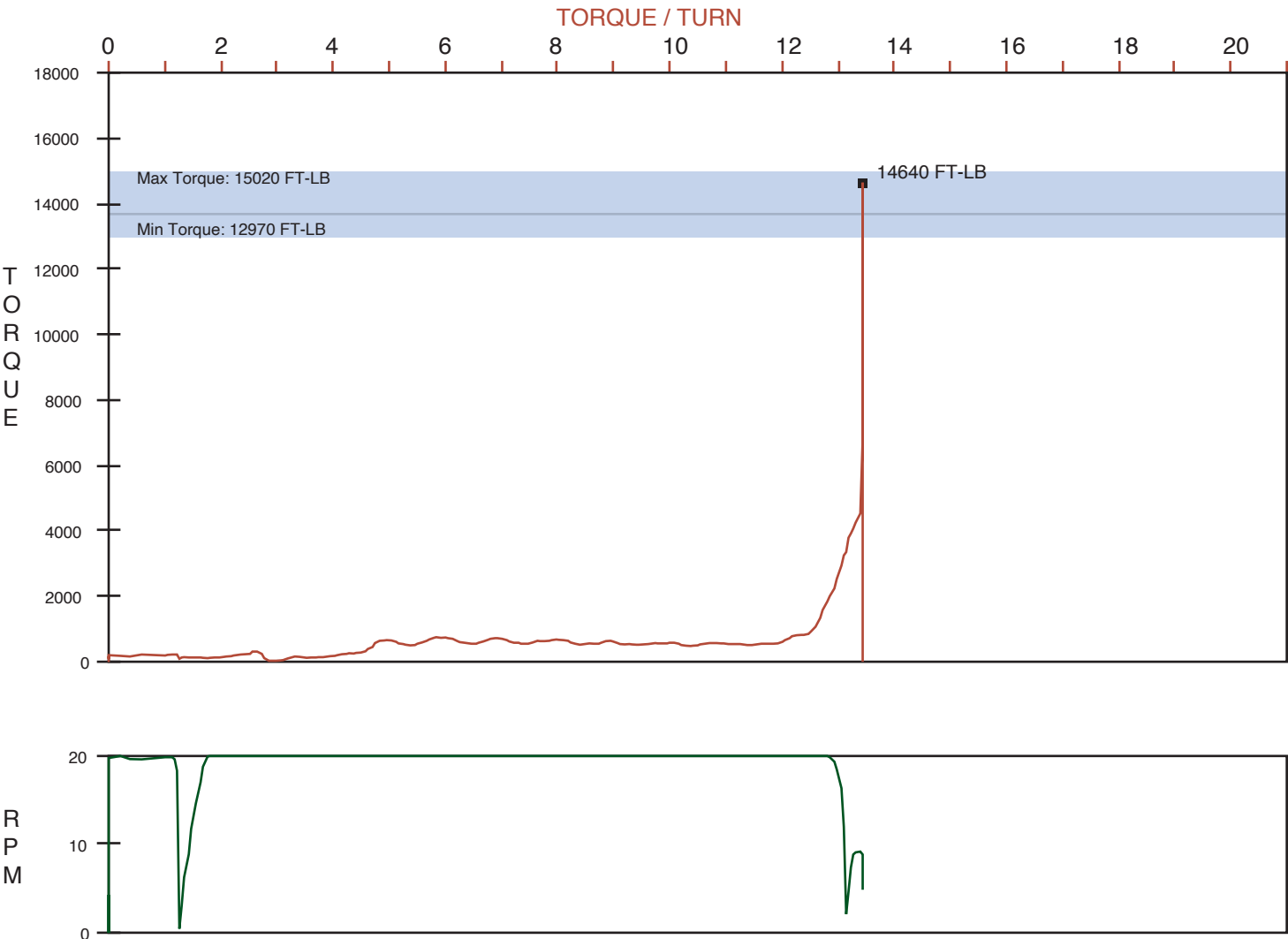
Joint #: 180

Count #: 180

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 7:23:52 AM	Heat/Lot#:	
Pipe Length:	37.884 ft		
Cumulative Length:	6770.488 ft		
Cumulative Weight:	155277.669 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14640 FT-LB
Final Turns:	13.444
Max RPM:	20.850
Delta Torque:	3530 FT-LB
Delta Turns:	0.005

Notes: joint 180



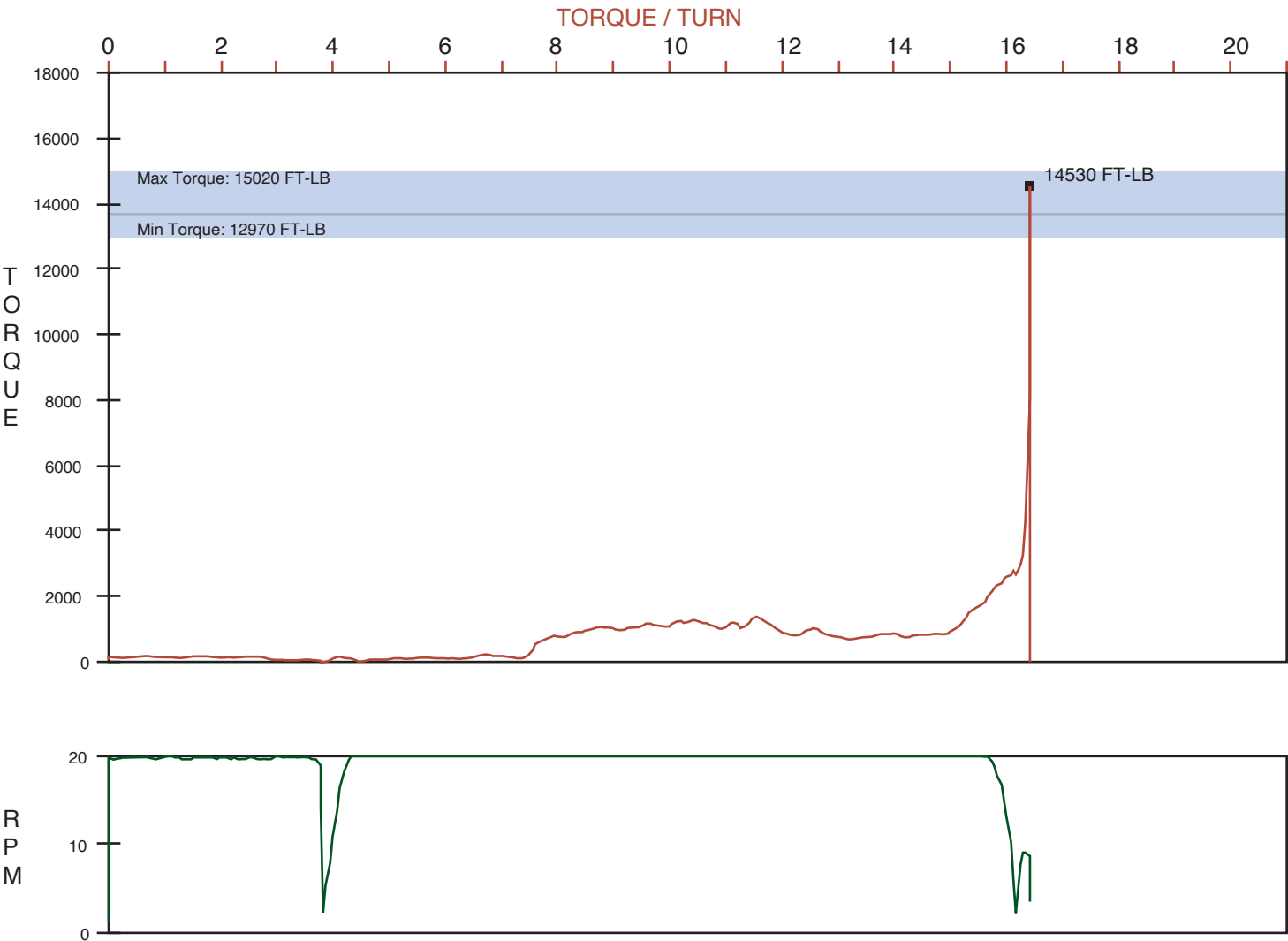
Joint #: 181

Count #: 181

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 7:39:56 AM	Heat/Lot#:	
Pipe Length:	37.871 ft		
Cumulative Length:	6808.359 ft		
Cumulative Weight:	156148.702 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14530 FT-LB
Final Turns:	16.405
Max RPM:	20.820
Delta Torque:	2920 FT-LB
Delta Turns:	0.011

Notes: joint 181



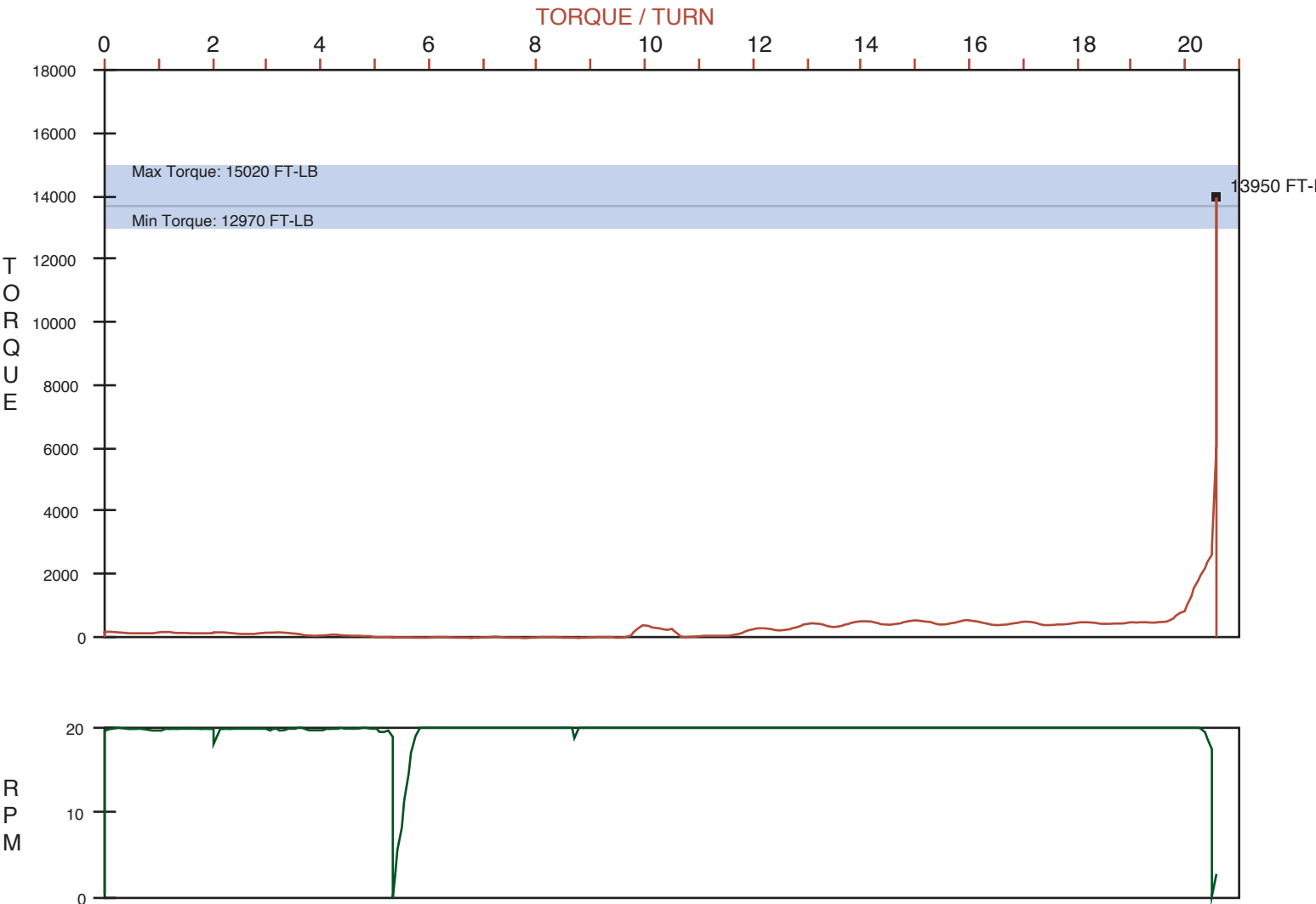
Joint #: 182

Count #: 182

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 7:43:55 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	6846.220 ft		
Cumulative Weight:	157019.505 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13950 FT-LB
Final Turns:	20.576
Max RPM:	22.470
Delta Torque:	7860 FT-LB
Delta Turns:	0.047

Notes: joint 182



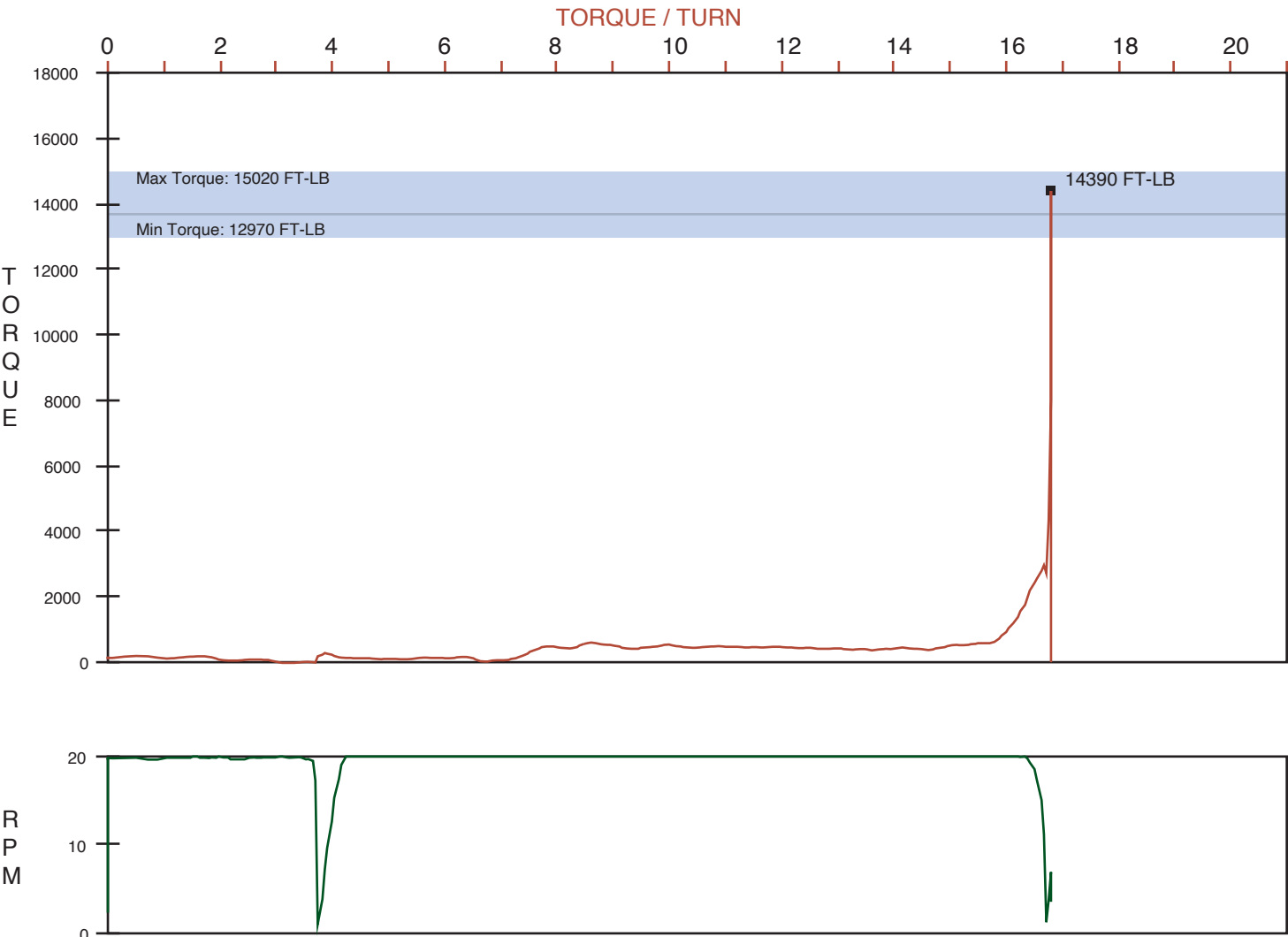
Joint #: 183

Count #: 183

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 7:47:25 AM	Heat/Lot#:	
Pipe Length:	37.848 ft		
Cumulative Length:	6884.068 ft		
Cumulative Weight:	157890.009 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14390 FT-LB
Final Turns:	16.817
Max RPM:	20.820
Delta Torque:	10050 FT-LB
Delta Turns:	0.099

Notes: joint 183



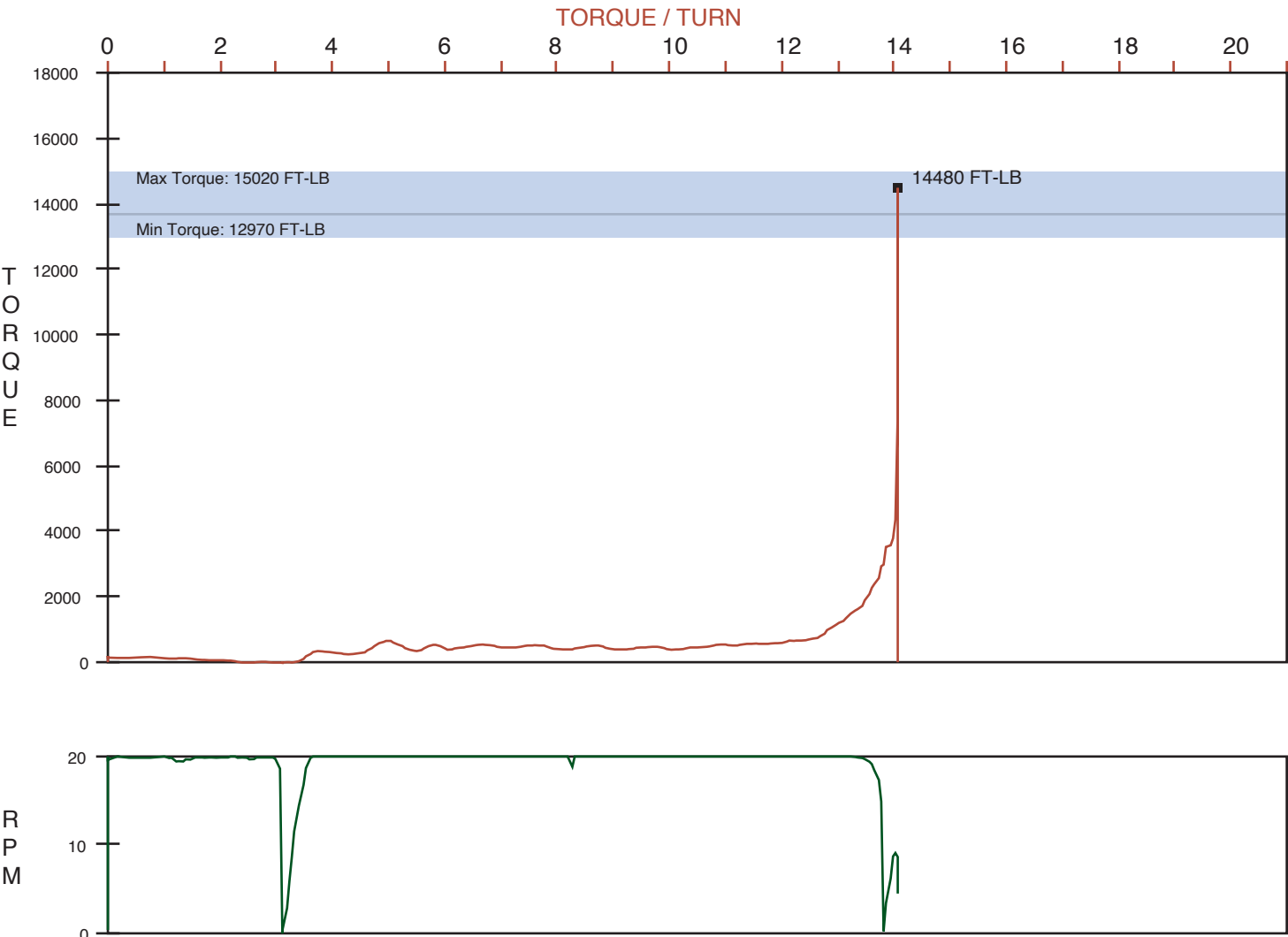
Joint #: 184

Count #: 184

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 7:50:43 AM	Heat/Lot#:	
Pipe Length:	36.286 ft		
Cumulative Length:	6920.354 ft		
Cumulative Weight:	158724.587 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14480 FT-LB
Final Turns:	14.088
Max RPM:	22.290
Delta Torque:	3480 FT-LB
Delta Turns:	0.011

Notes: joint 184

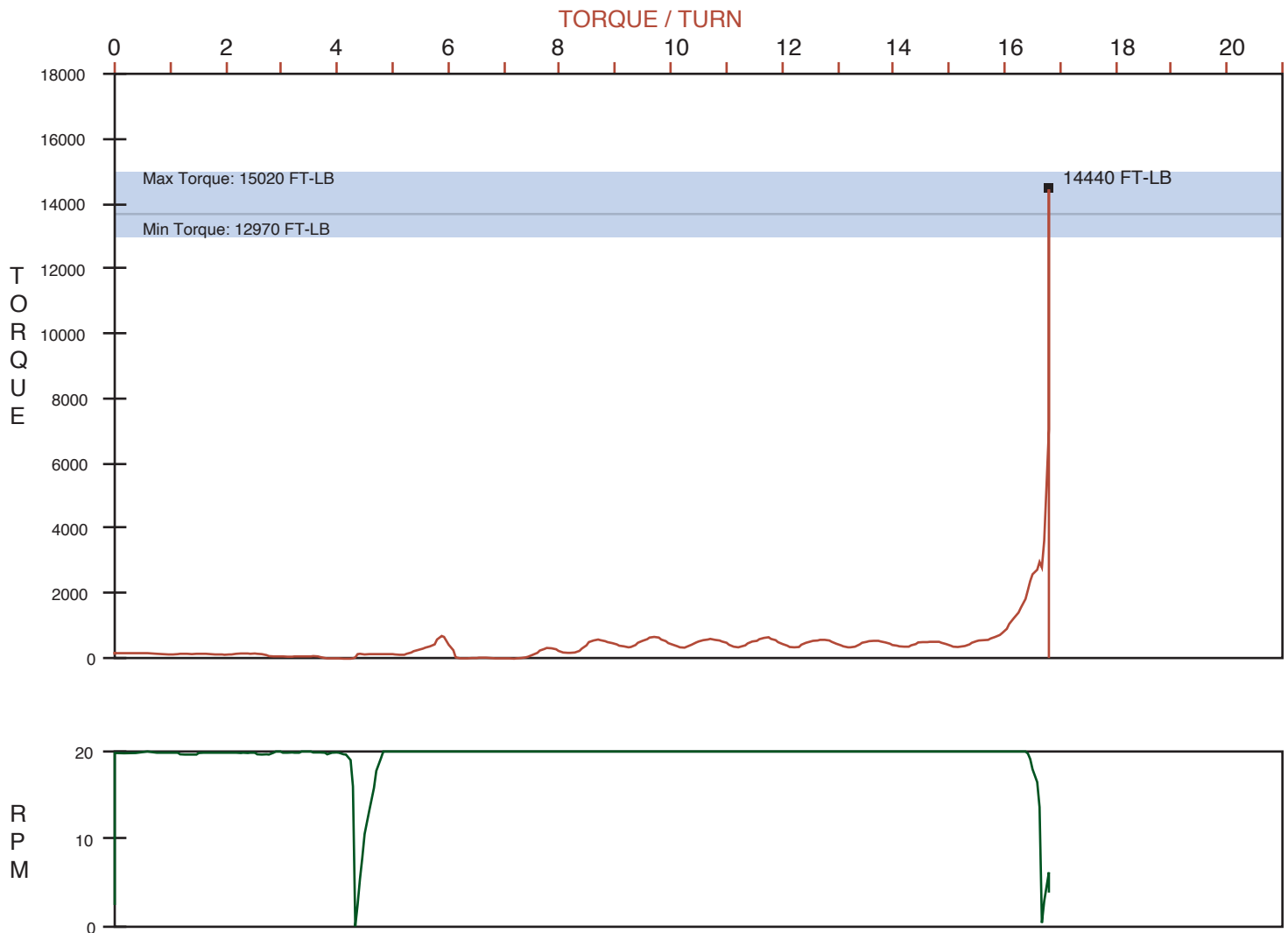


**Joint #: 185****Count #: 185**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 7:53:48 AM**

Heat/Lot#:

Pipe Length: **36.886 ft**Cumulative Length: **6957.240 ft**Cumulative Weight: **159572.965 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14440 FT-LB**Final Turns: **16.79**Max RPM: **20.940**Delta Torque: **4510 FT-LB**Delta Turns: **0.014**Notes: **joint 185**



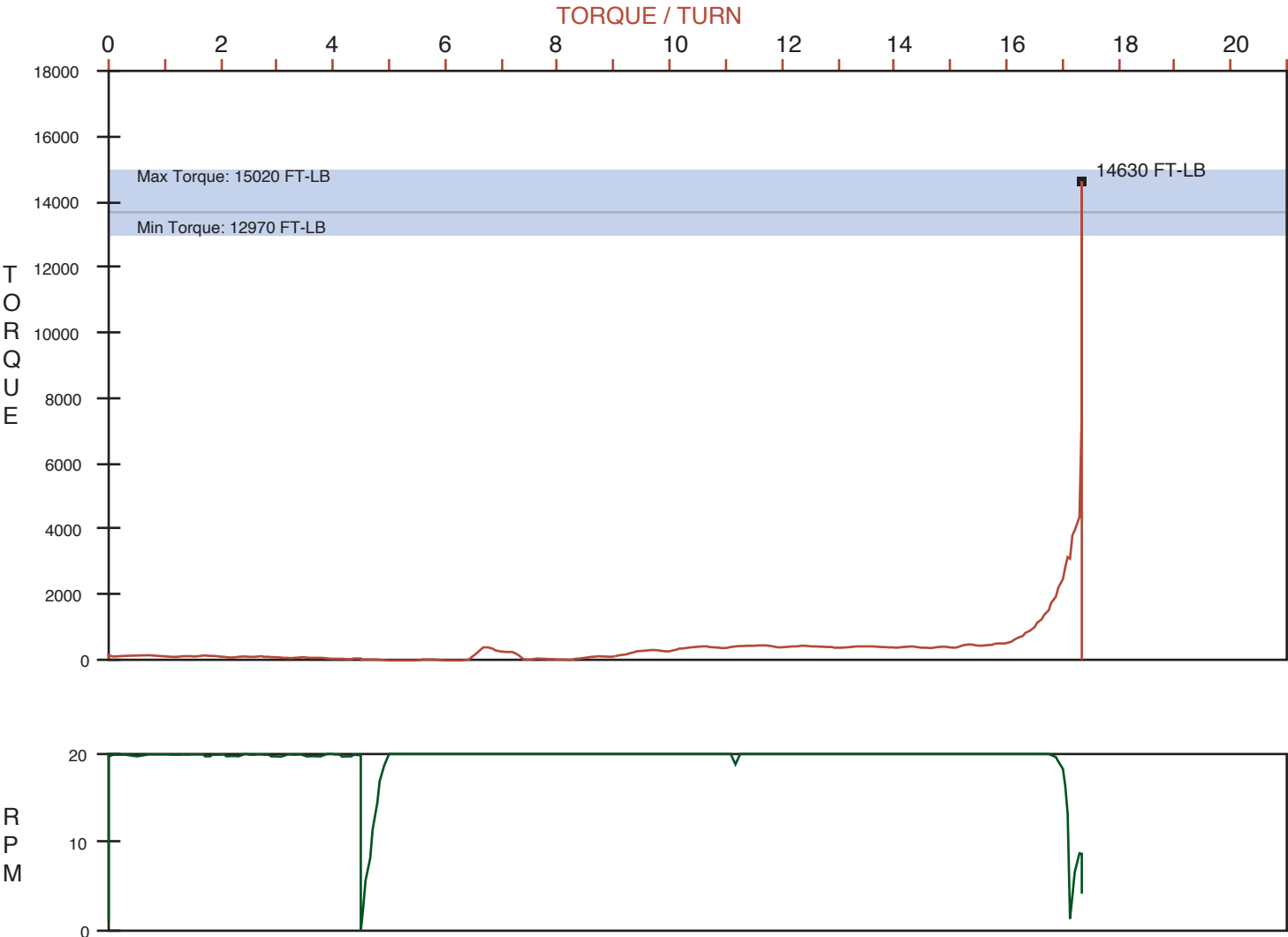
Joint #: 186

Count #: 186

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 7:57:39 AM	Heat/Lot#:	
Pipe Length:	34.482 ft		
Cumulative Length:	6991.722 ft		
Cumulative Weight:	160366.051 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14630 FT-LB
Final Turns:	17.351
Max RPM:	22.380
Delta Torque:	3380 FT-LB
Delta Turns:	0.008

Notes: joint 186



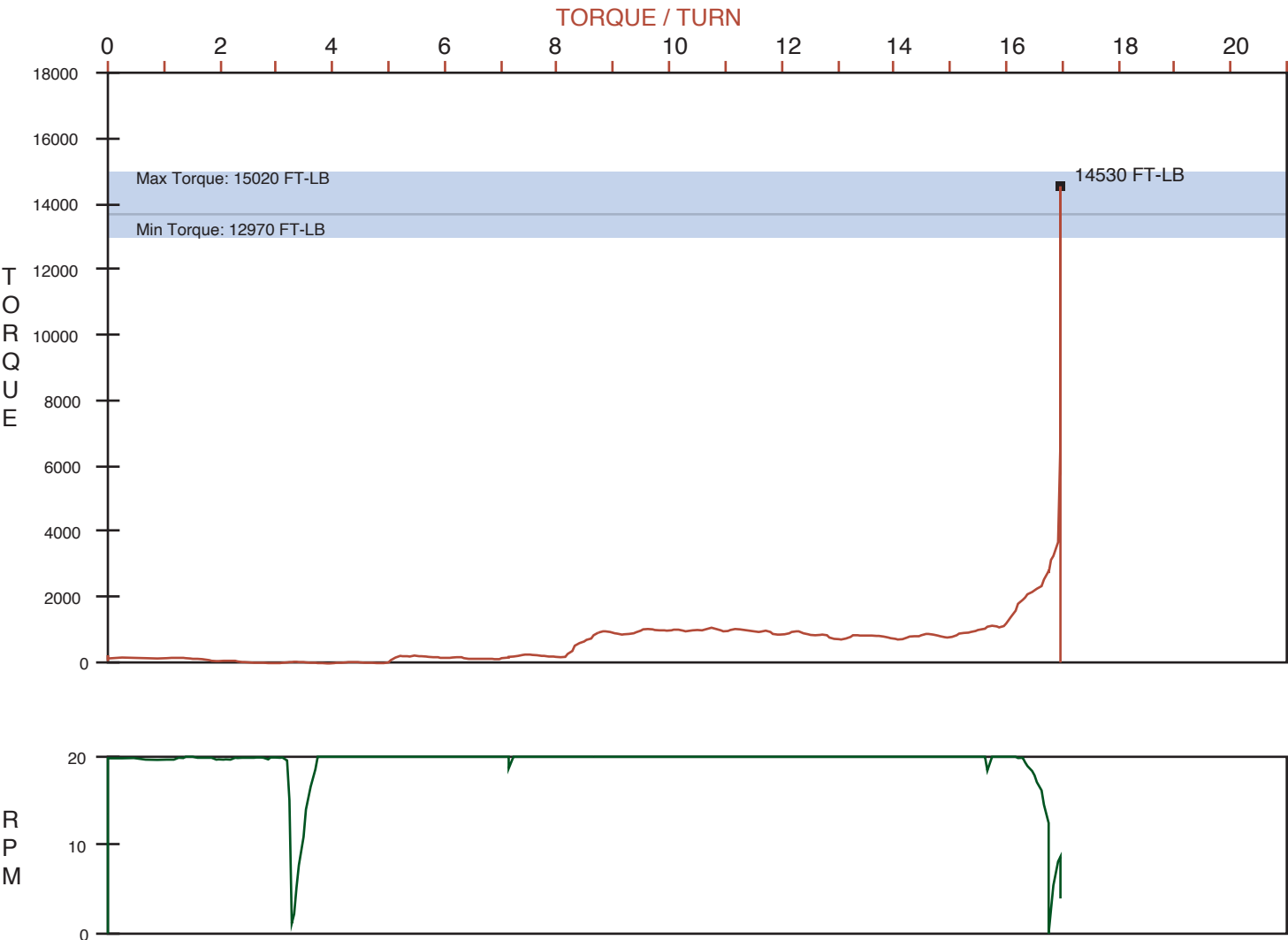
Joint #: 187

Count #: 187

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 8:01:23 AM	Heat/Lot#:	
Pipe Length:	37.411 ft		
Cumulative Length:	7029.133 ft		
Cumulative Weight:	161226.504 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14530 FT-LB
Final Turns:	16.983
Max RPM:	22.380
Delta Torque:	5120 FT-LB
Delta Turns:	0.015

Notes: joint 187



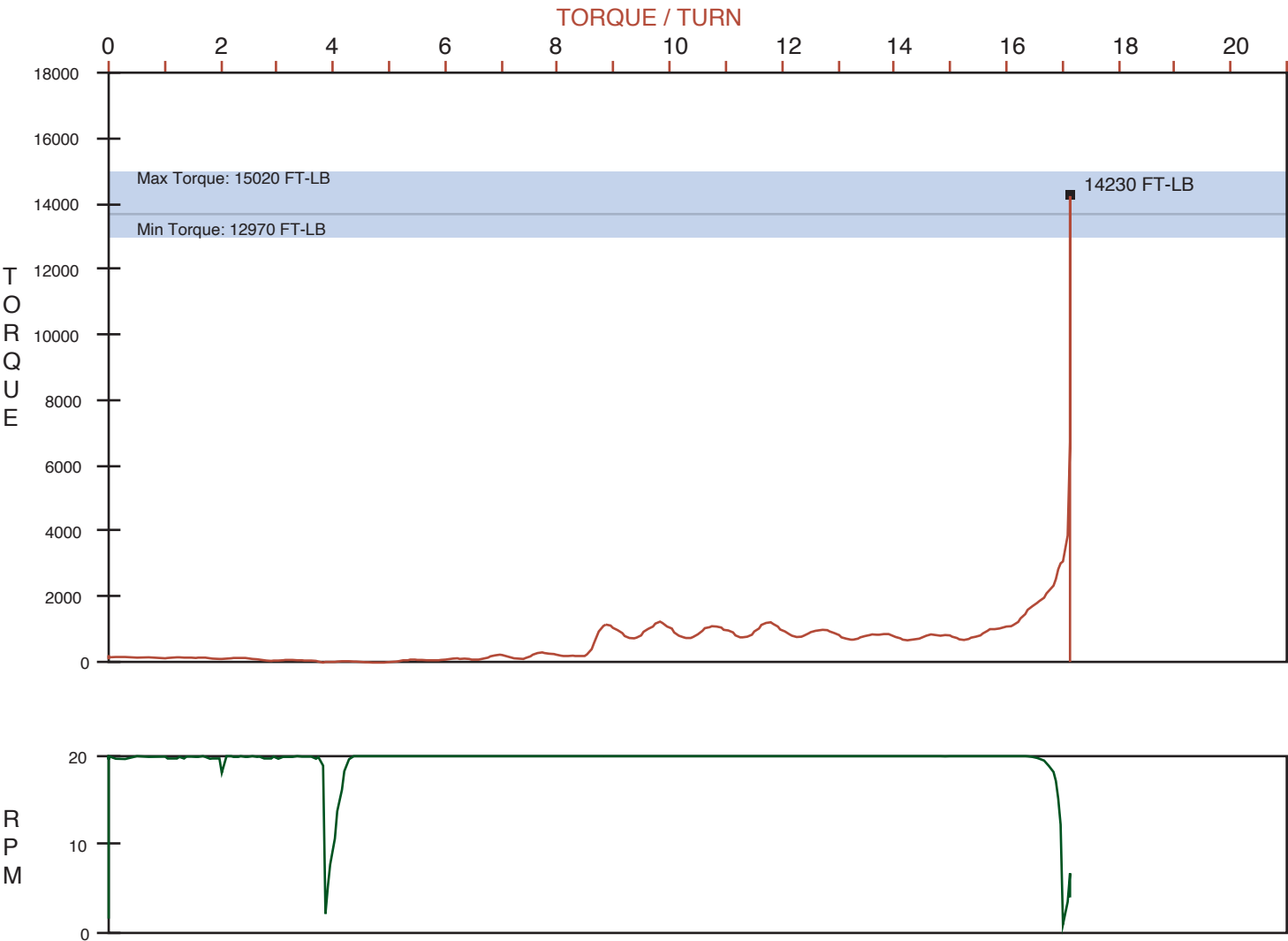
Joint #: 188

Count #: 188

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 8:04:36 AM	Heat/Lot#:	
Pipe Length:	37.871 ft		
Cumulative Length:	7067.004 ft		
Cumulative Weight:	162097.537 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14230 FT-LB
Final Turns:	17.142
Max RPM:	21.720
Delta Torque:	5240 FT-LB
Delta Turns:	0.029

Notes: joint 188

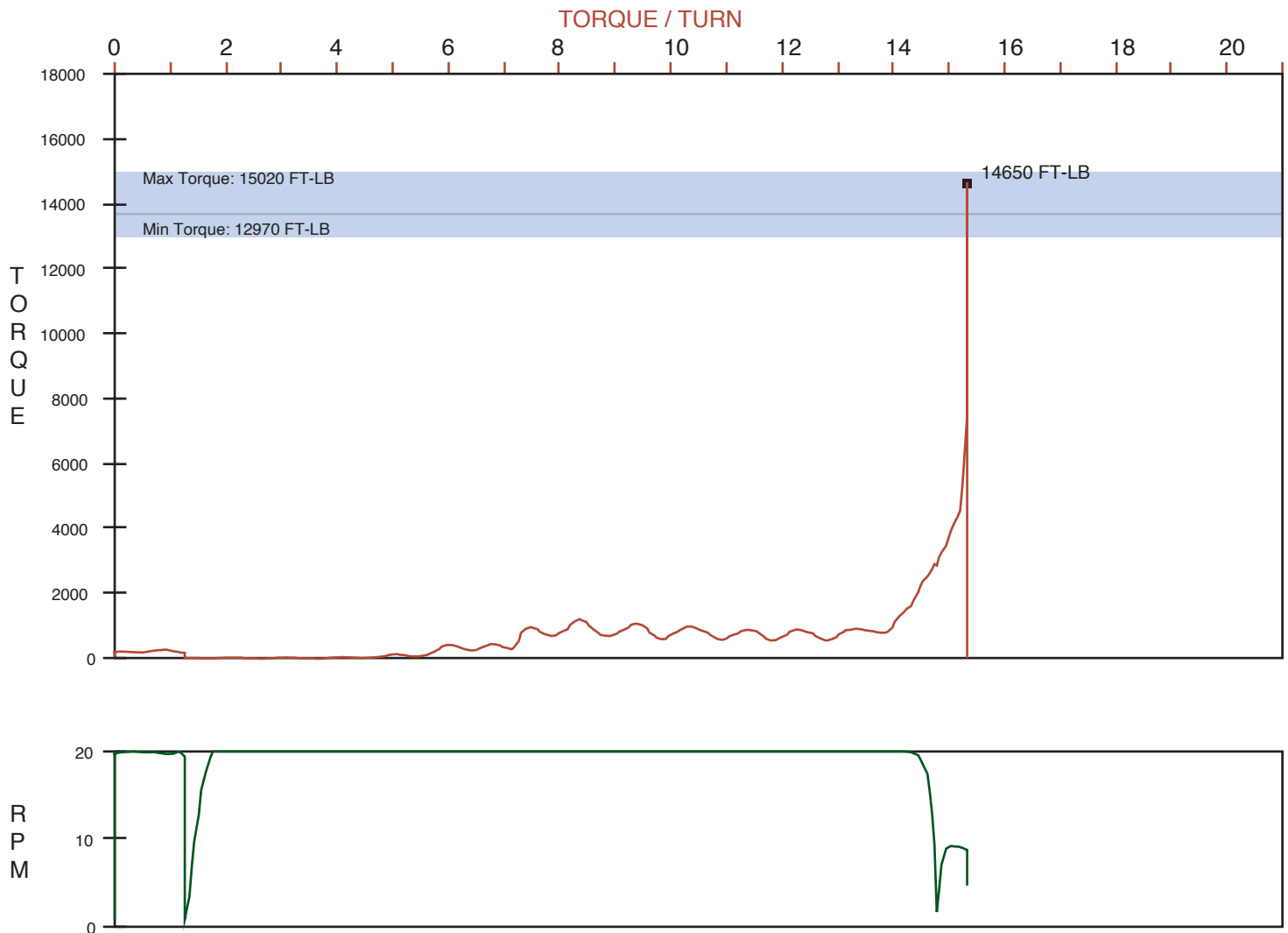


**Joint #: 189****Count #: 189**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 8:08:02 AM**

Heat/Lot#:

Pipe Length: **37.871 ft**Cumulative Length: **7104.875 ft**Cumulative Weight: **162968.570 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14650 FT-LB**Final Turns: **15.313**Max RPM: **20.820**Delta Torque: **5390 FT-LB**Delta Turns: **0.014**Notes: **joint 189**

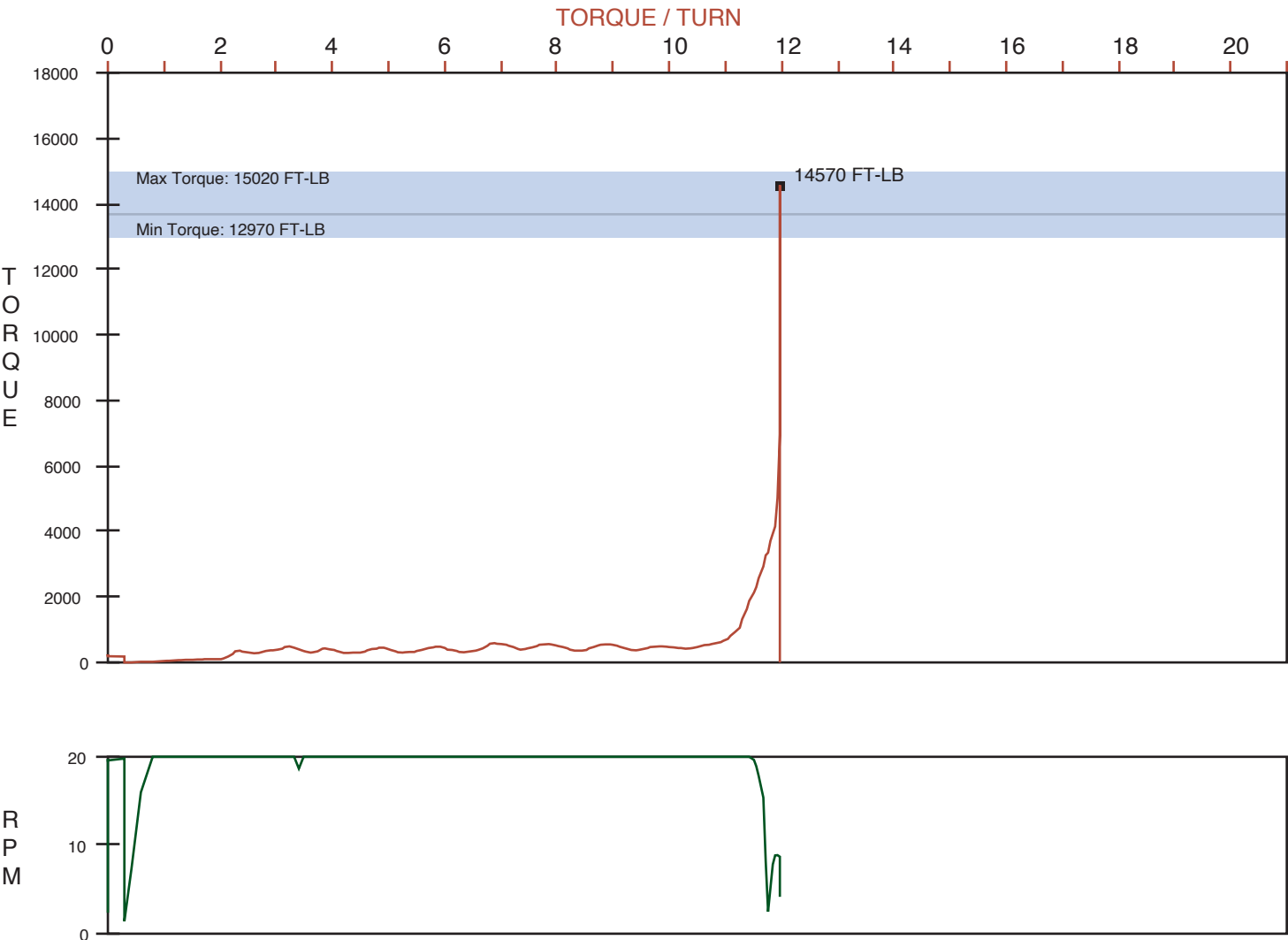
Joint #: 190

Count #: 190

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 8:11:02 AM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	7142.752 ft		
Cumulative Weight:	163839.741 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14570 FT-LB
Final Turns:	11.989
Max RPM:	22.380
Delta Torque:	3060 FT-LB
Delta Turns:	0.008

Notes: joint 190



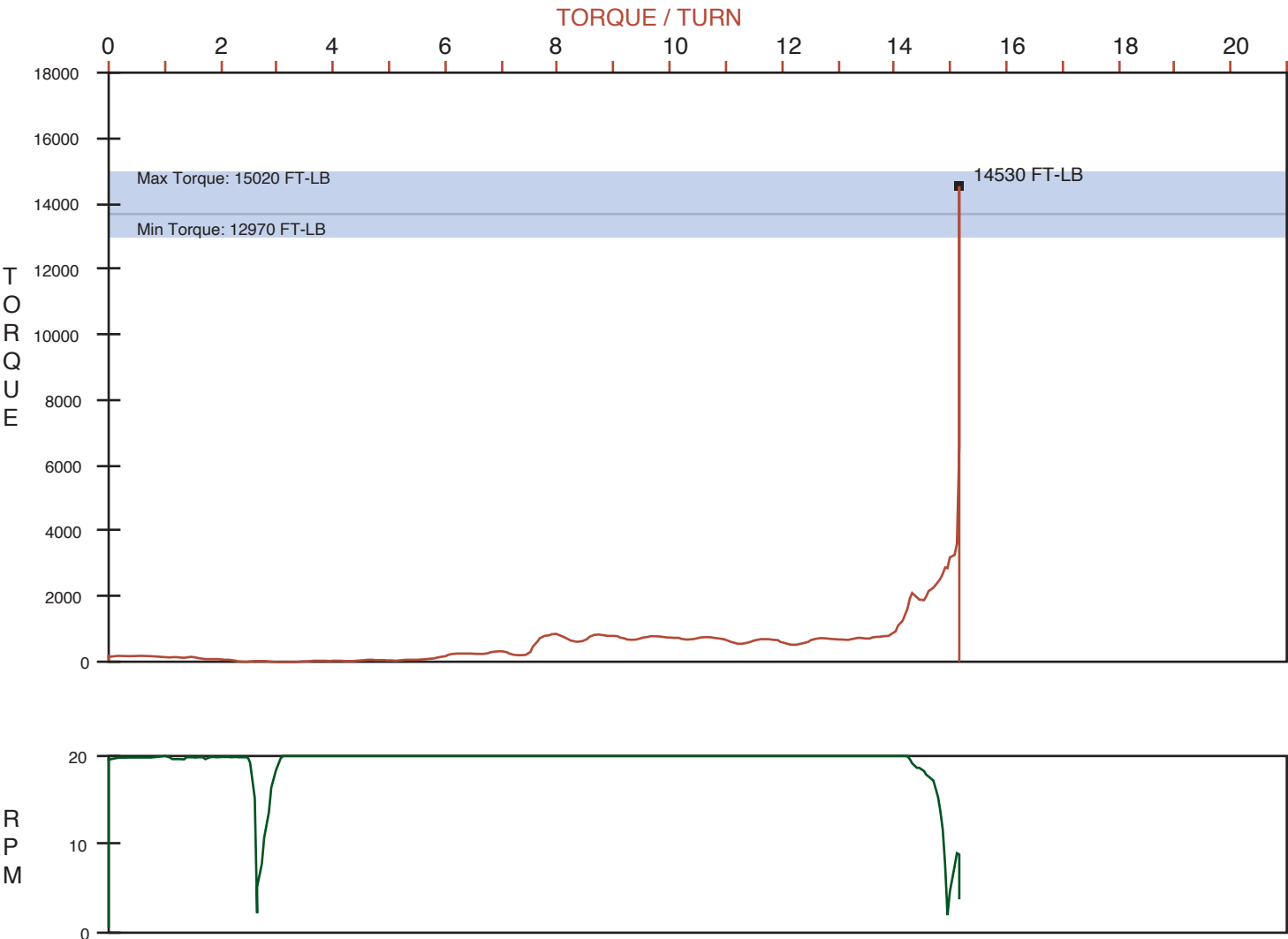
Joint #: 191

Count #: 191

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 8:14:06 AM	Heat/Lot#:	
Pipe Length:	37.402 ft		
Cumulative Length:	7180.154 ft		
Cumulative Weight:	164699.987 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14530 FT-LB
Final Turns:	15.18
Max RPM:	20.820
Delta Torque:	6740 FT-LB
Delta Turns:	0.037

Notes: joint 191

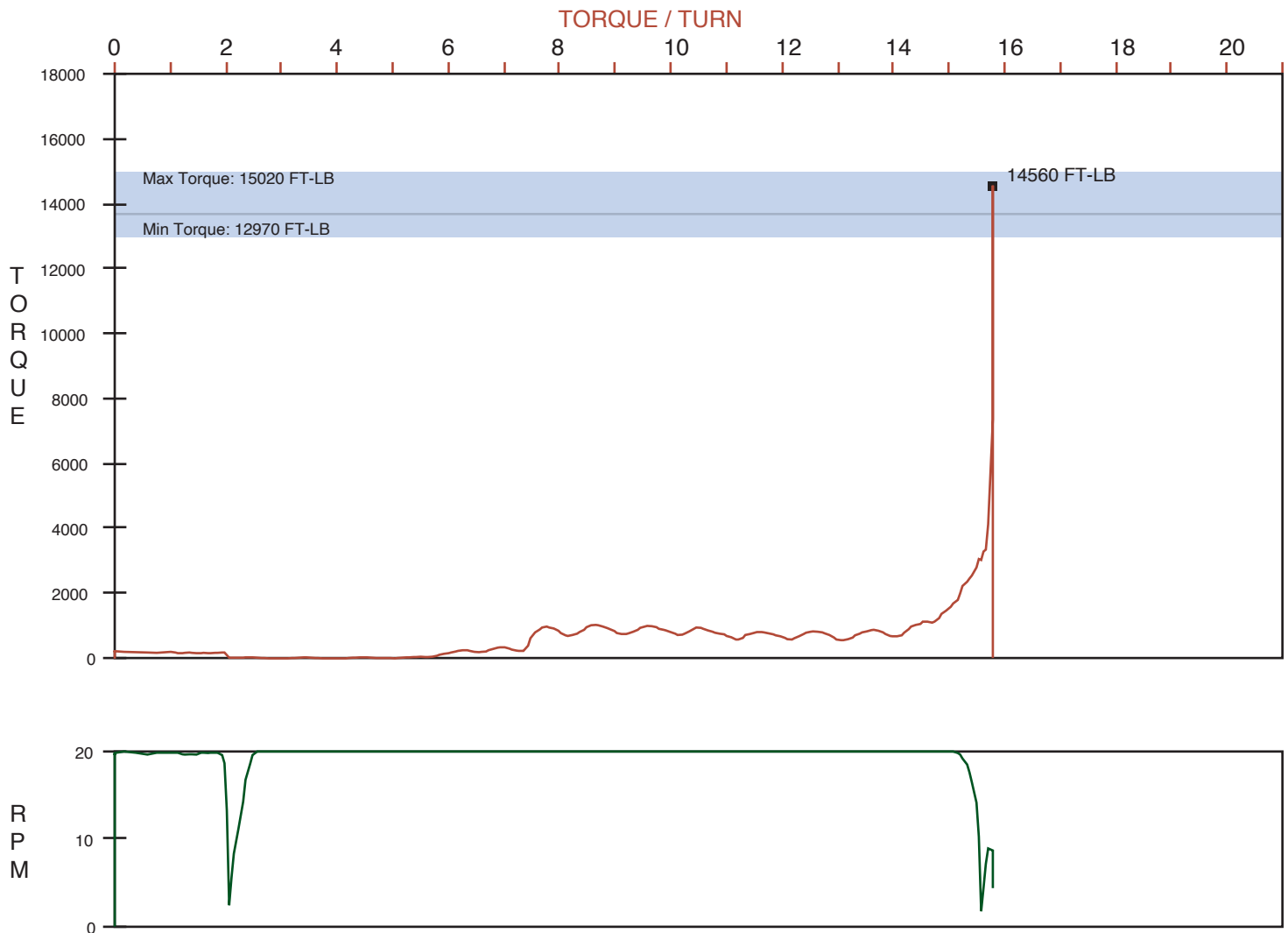


**Joint #: 192****Count #: 192**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 8:17:31 AM**

Heat/Lot#:

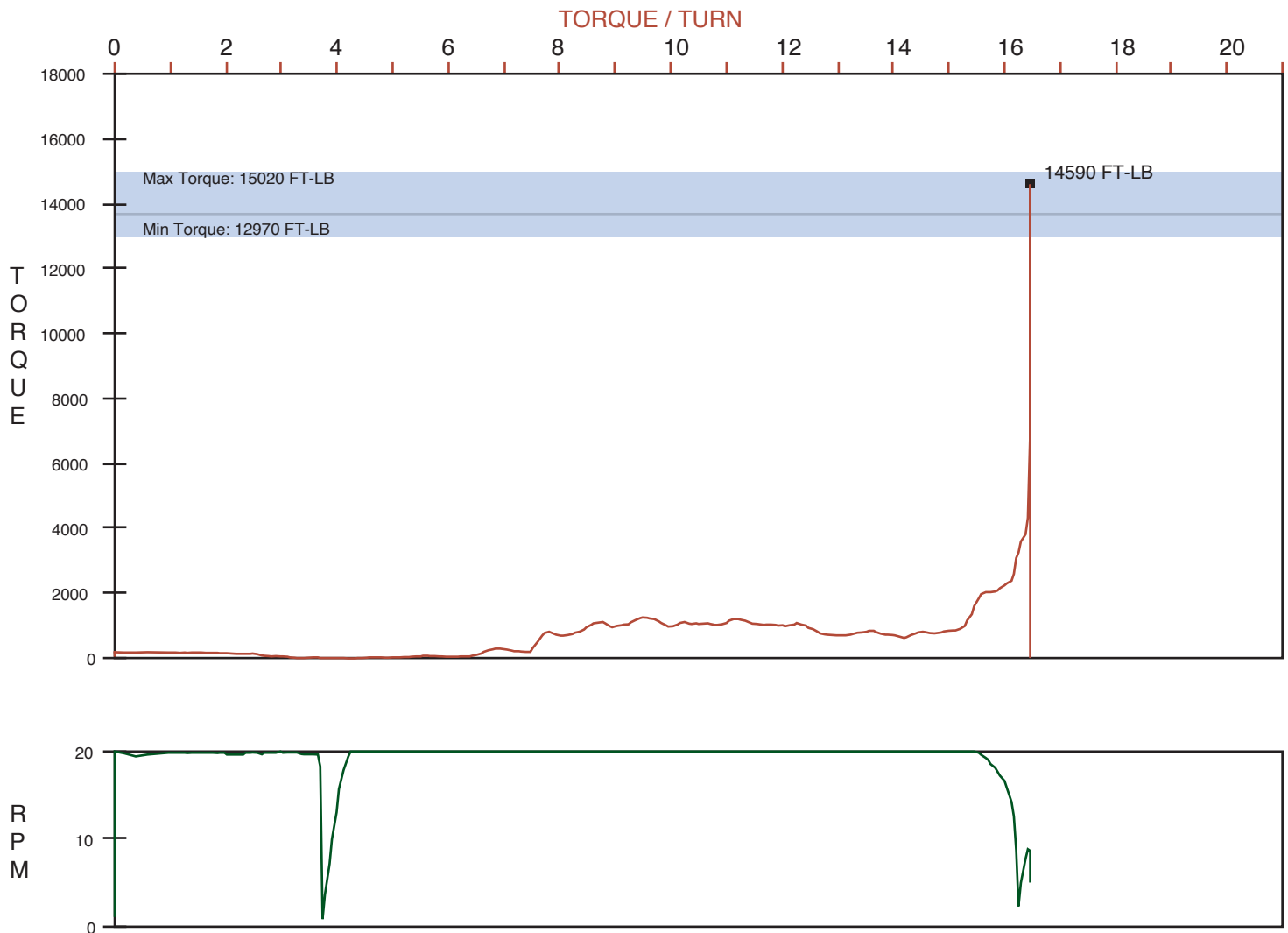
Pipe Length: **36.171 ft**Cumulative Length: **7216.325 ft**Cumulative Weight: **165531.920 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14560 FT-LB**Final Turns: **15.772**Max RPM: **20.820**Delta Torque: **4310 FT-LB**Delta Turns: **0.009**Notes: **joint 192**

**Joint #: 193****Count #: 193**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 8:20:52 AM**

Heat/Lot#:

Pipe Length: **36.302 ft**Cumulative Length: **7252.627 ft**Cumulative Weight: **166366.866 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14590 FT-LB**Final Turns: **16.473**Max RPM: **20.820**Delta Torque: **3990 FT-LB**Delta Turns: **0.008**Notes: **joint 193**



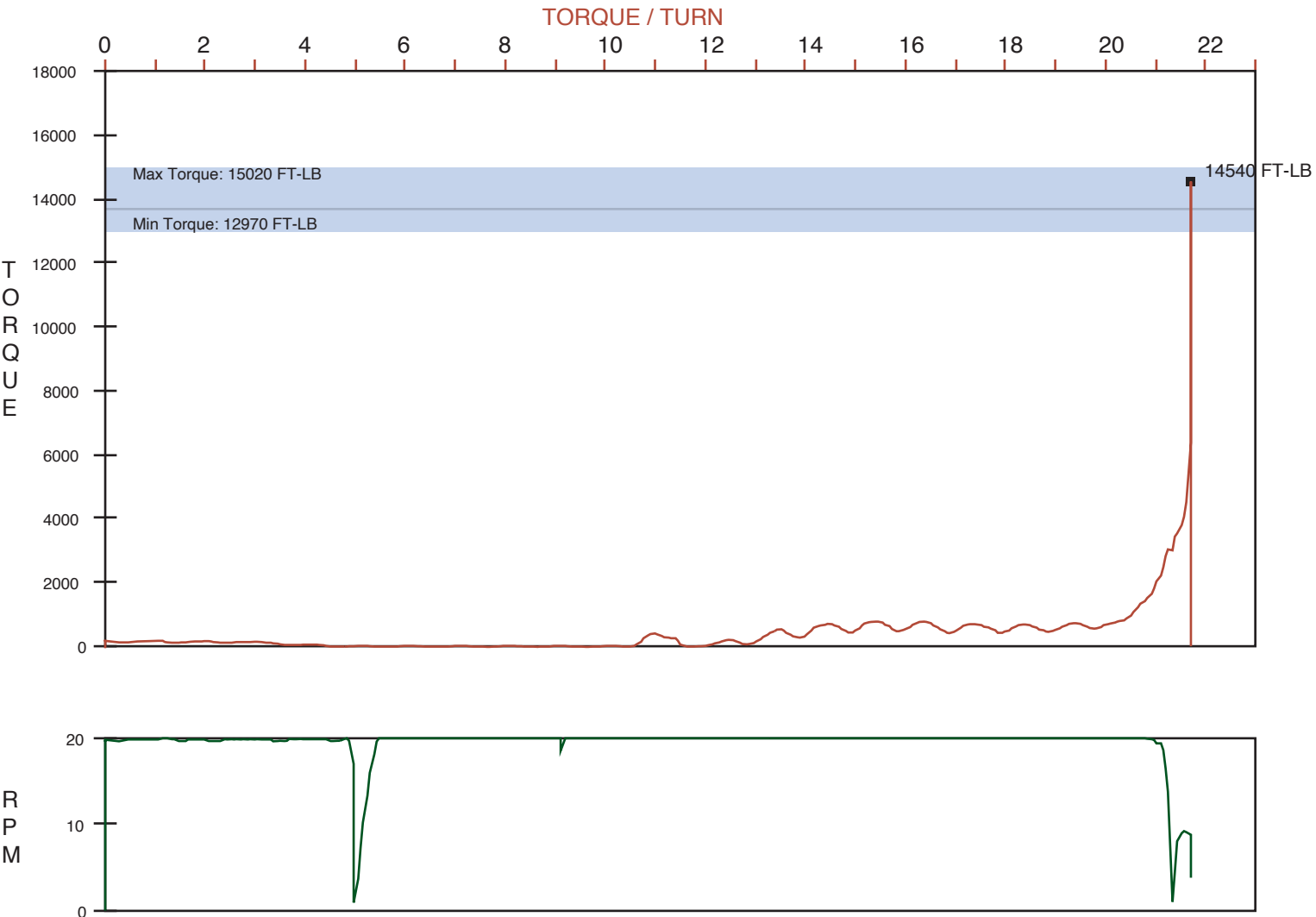
Joint #: 194

Count #: 194

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 8:24:21 AM	Heat/Lot#:	
Pipe Length:	35.810 ft		
Cumulative Length:	7288.437 ft		
Cumulative Weight:	167190.496 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14540 FT-LB
Final Turns:	21.694
Max RPM:	22.440
Delta Torque:	8170 FT-LB
Delta Turns:	0.051

Notes: joint 194

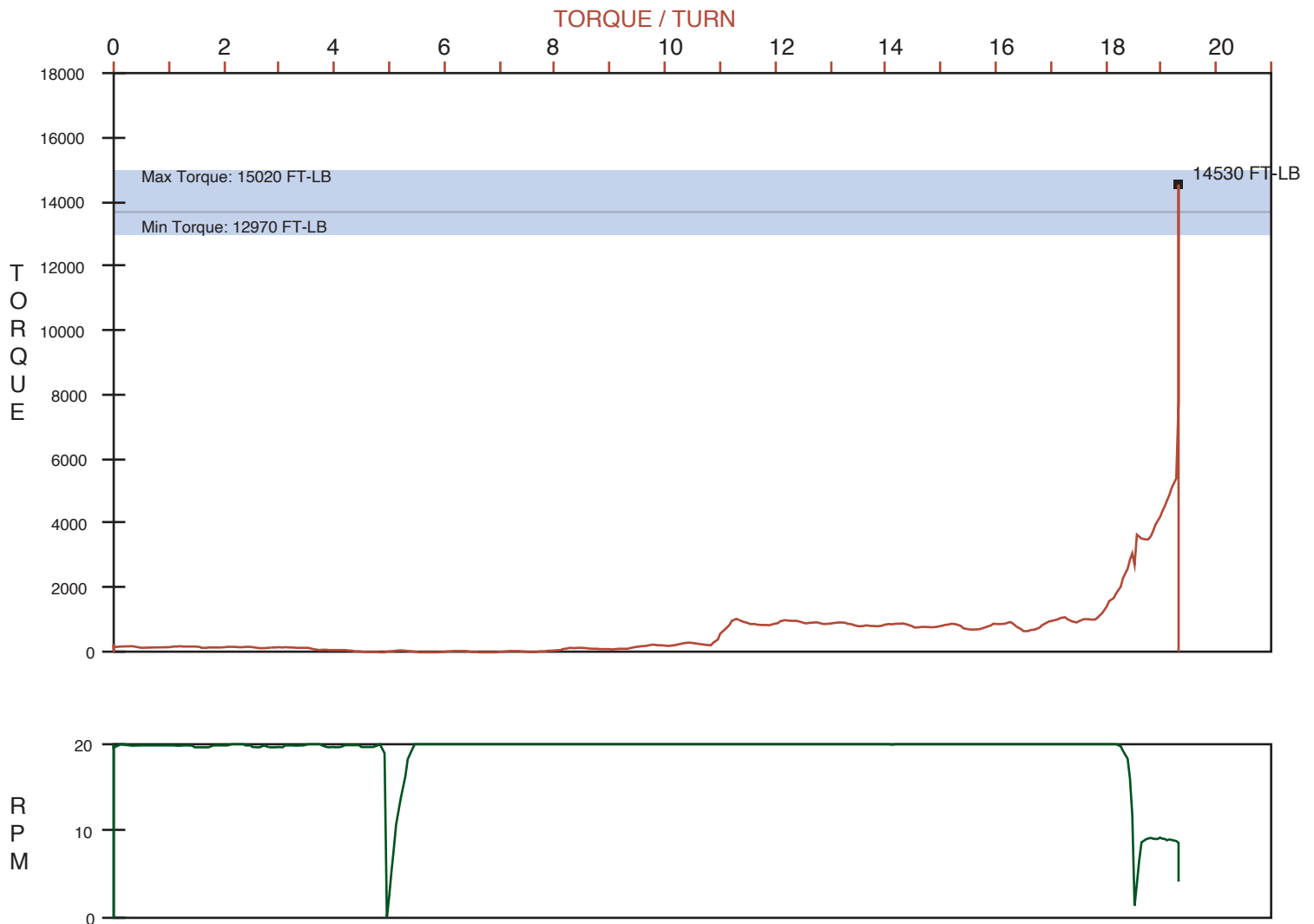


**Joint #: 195****Count #: 195**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 8:28:54 AM	Heat/Lot#:	
Pipe Length:	37.835 ft		
Cumulative Length:	7326.272 ft		
Cumulative Weight:	168060.701 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14530 FT-LB
Final Turns:	19.324
Max RPM:	20.820
Delta Torque:	2930 FT-LB
Delta Turns:	0.008

Notes: joint 195



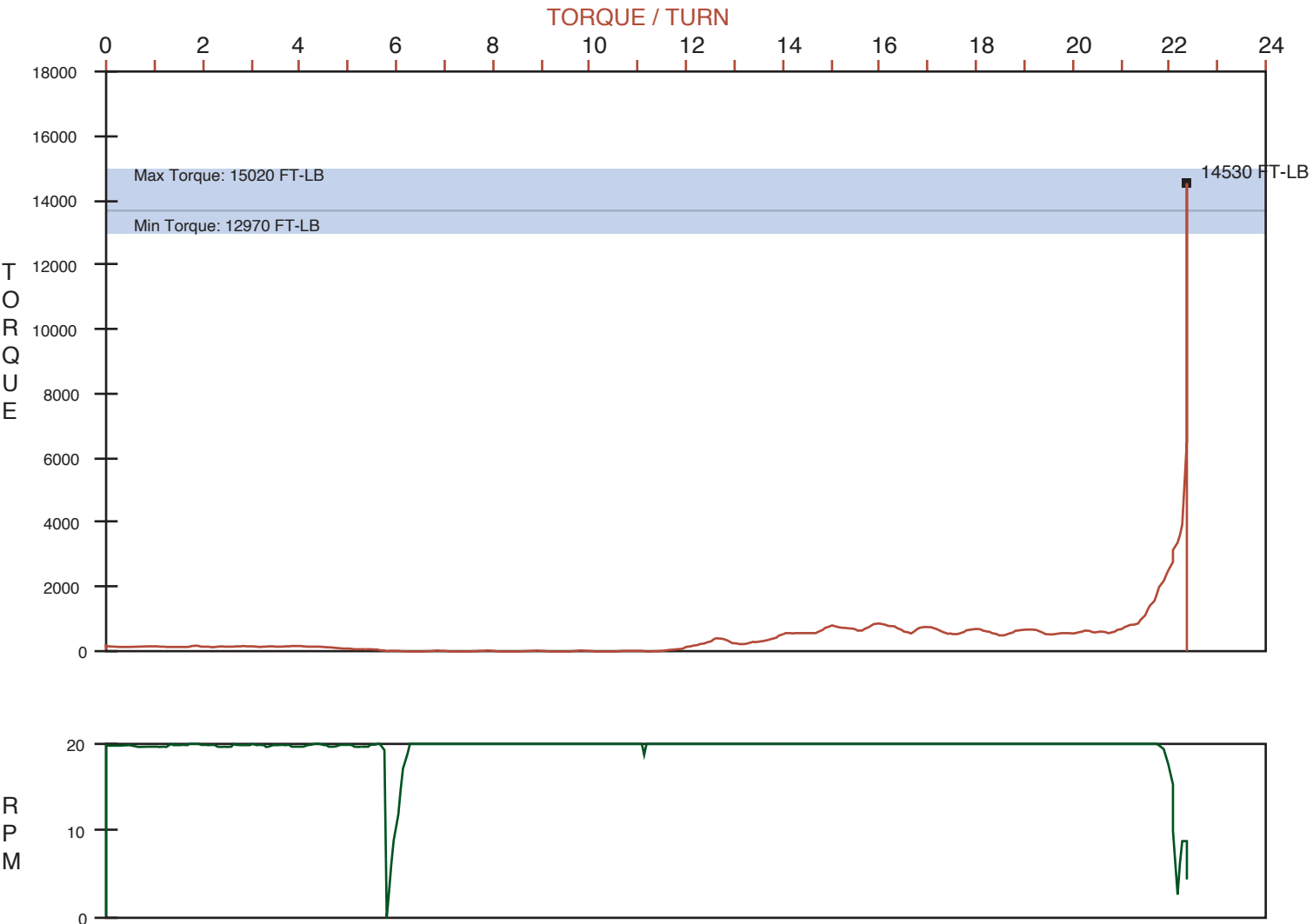
Joint #: 196

Count #: 196

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 8:32:52 AM	Heat/Lot#:	
Pipe Length:	36.319 ft		
Cumulative Length:	7362.591 ft		
Cumulative Weight:	168896.038 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14530 FT-LB
Final Turns:	22.352
Max RPM:	22.440
Delta Torque:	7010 FT-LB
Delta Turns:	0.047

Notes: joint 196



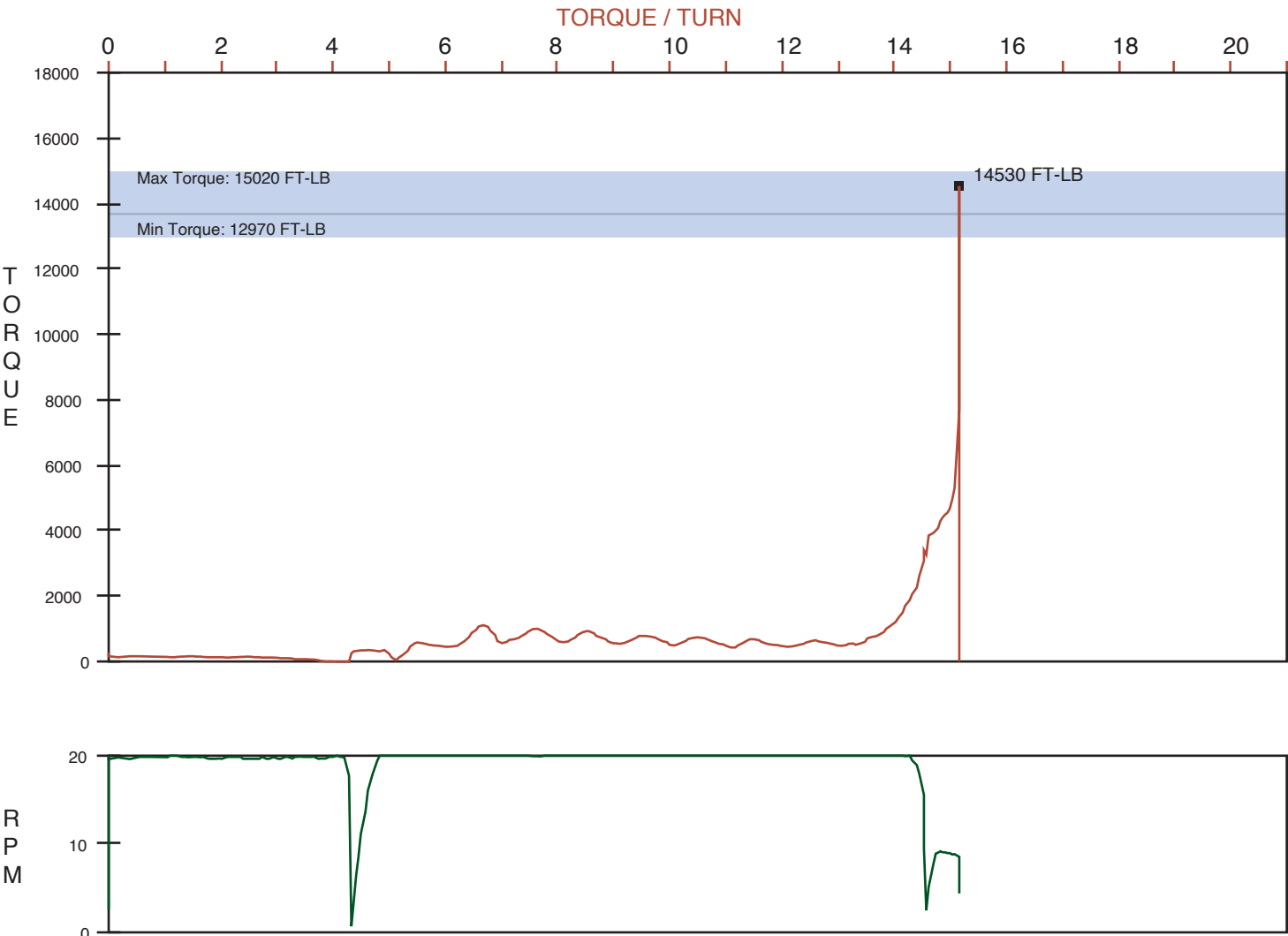
Joint #: 197

Count #: 197

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 8:36:48 AM	Heat/Lot#:	
Pipe Length:	35.079 ft		
Cumulative Length:	7397.670 ft		
Cumulative Weight:	169702.855 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14530 FT-LB
Final Turns:	15.156
Max RPM:	20.700
Delta Torque:	6830 FT-LB
Delta Turns:	0.047

Notes: joint 197

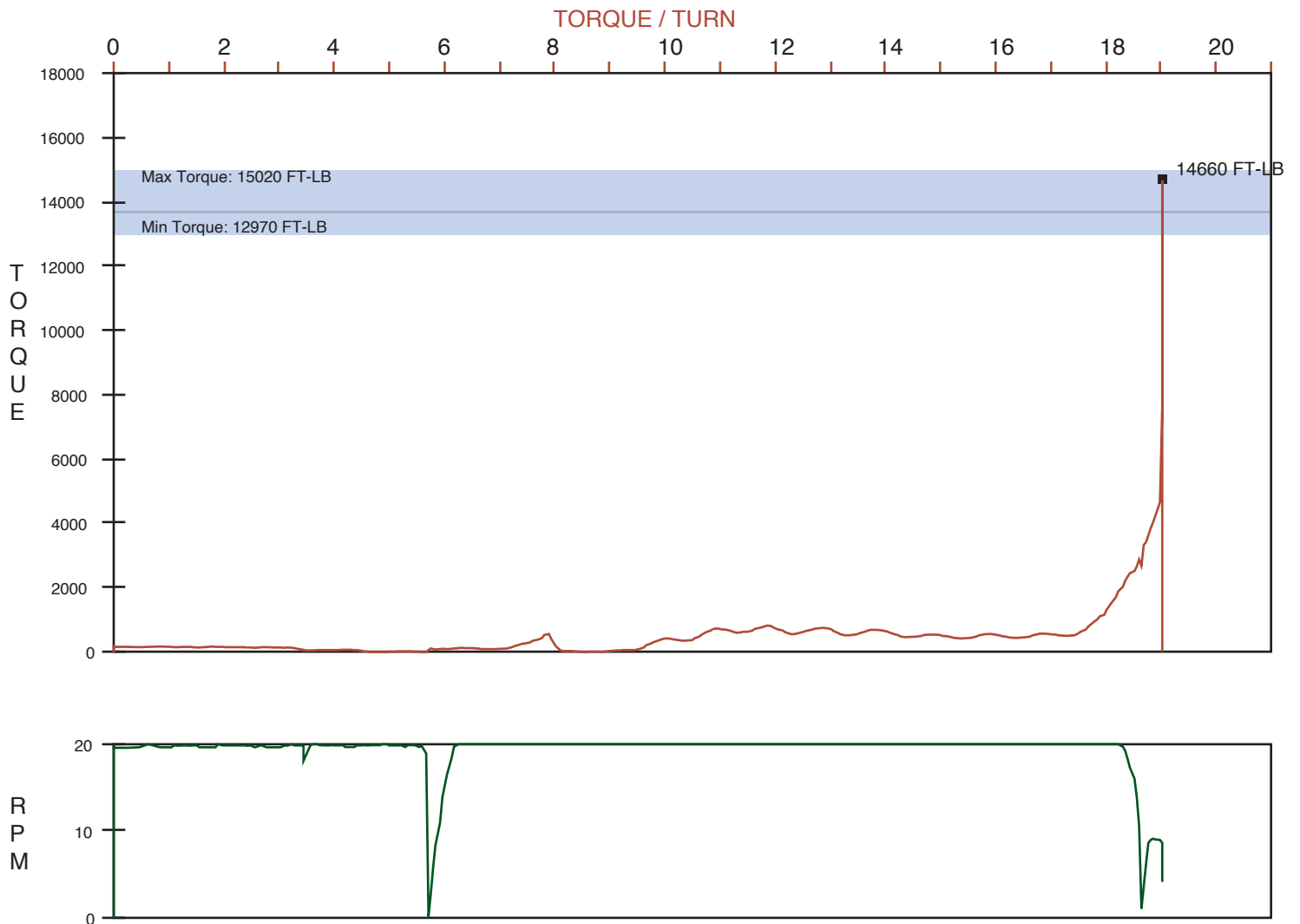


**Joint #: 198****Count #: 198**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 8:41:29 AM**

Heat/Lot#:

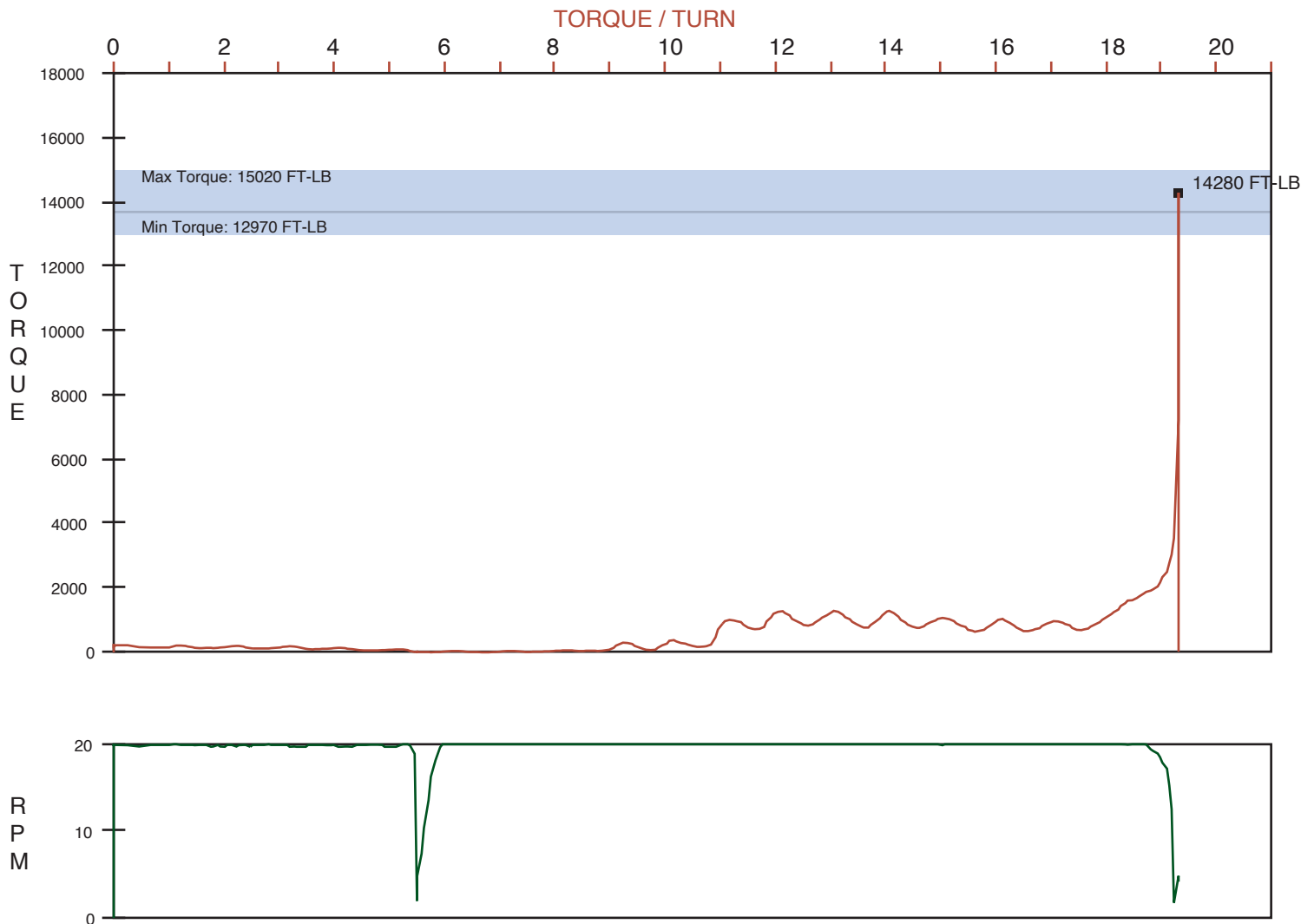
Pipe Length: **37.841 ft**Cumulative Length: **7435.511 ft**Cumulative Weight: **170573.198 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14660 FT-LB**Final Turns: **19.031**Max RPM: **21.660**Delta Torque: **5130 FT-LB**Delta Turns: **0.016**Notes: **joint 198**

**Joint #: 199****Count #: 199**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 8:44:54 AM**

Heat/Lot#:

Pipe Length: **36.483 ft**Cumulative Length: **7471.994 ft**Cumulative Weight: **171412.307 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14280 FT-LB**Final Turns: **19.308**Max RPM: **20.820**Delta Torque: **3780 FT-LB**Delta Turns: **0.008**Notes: **joint 199**

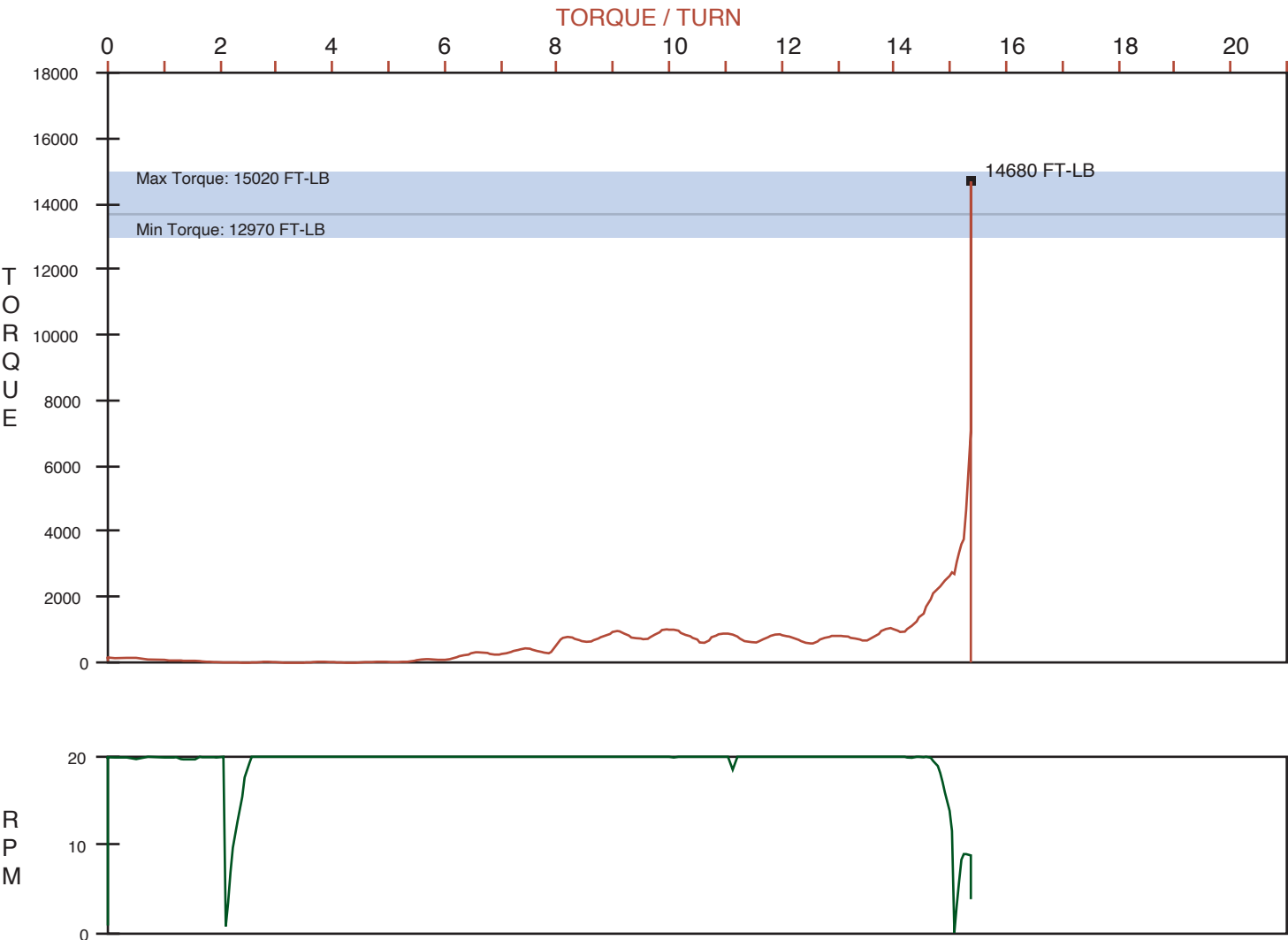
Joint #: 200

Count #: 200

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 8:48:05 AM	Heat/Lot#:	
Pipe Length:	37.992 ft		
Cumulative Length:	7509.986 ft		
Cumulative Weight:	172286.123 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14680 FT-LB
Final Turns:	15.357
Max RPM:	22.290
Delta Torque:	4990 FT-LB
Delta Turns:	0.013

Notes: joint 200

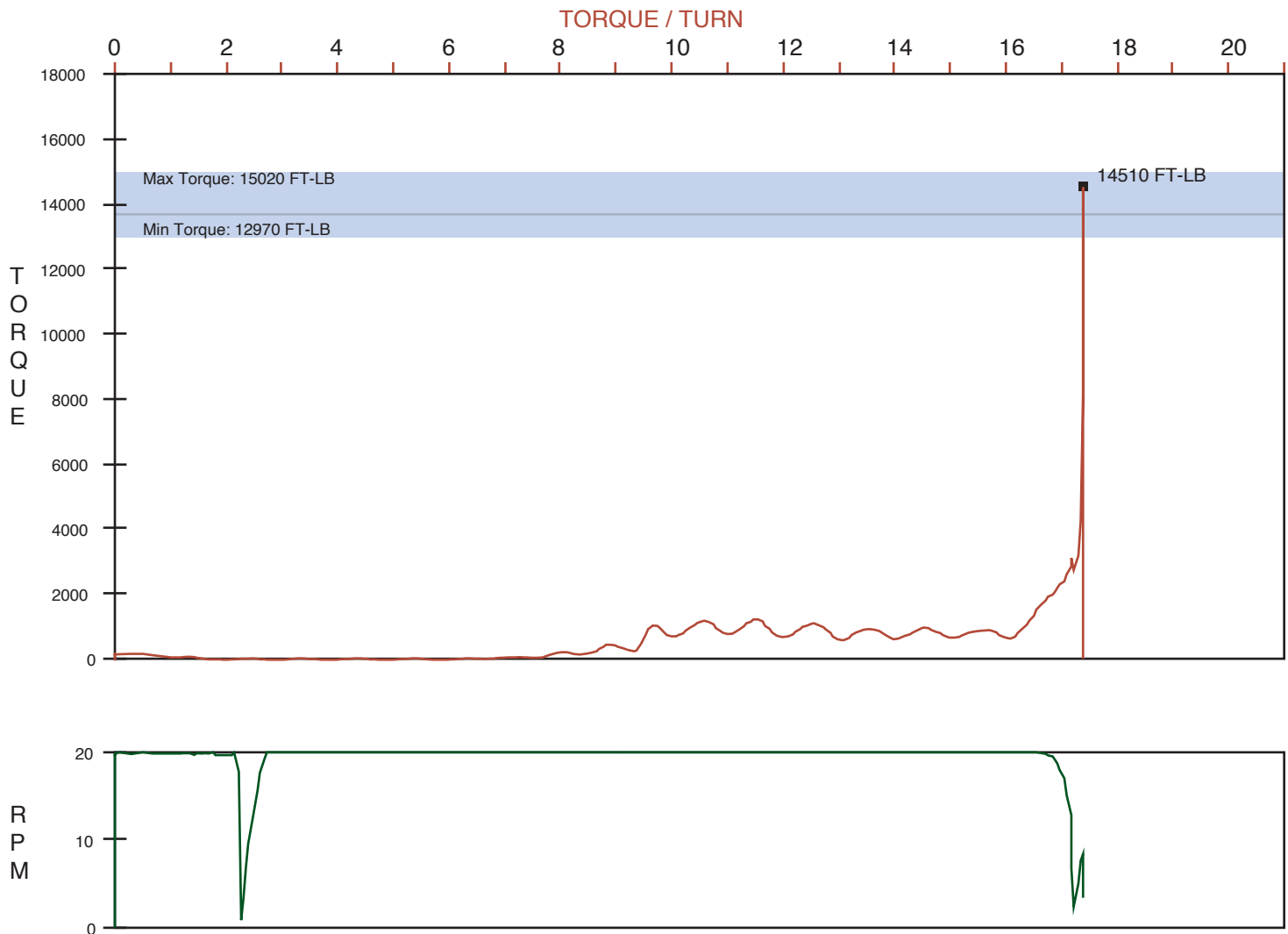


**Joint #: 201****Count #: 201**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 9:02:57 AM**

Heat/Lot#:

Pipe Length: **36.073 ft**Cumulative Length: **7546.059 ft**Cumulative Weight: **173115.802 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14510 FT-LB**Final Turns: **17.395**Max RPM: **21.840**Delta Torque: **8340 FT-LB**Delta Turns: **0.070**Notes: **joint 201**

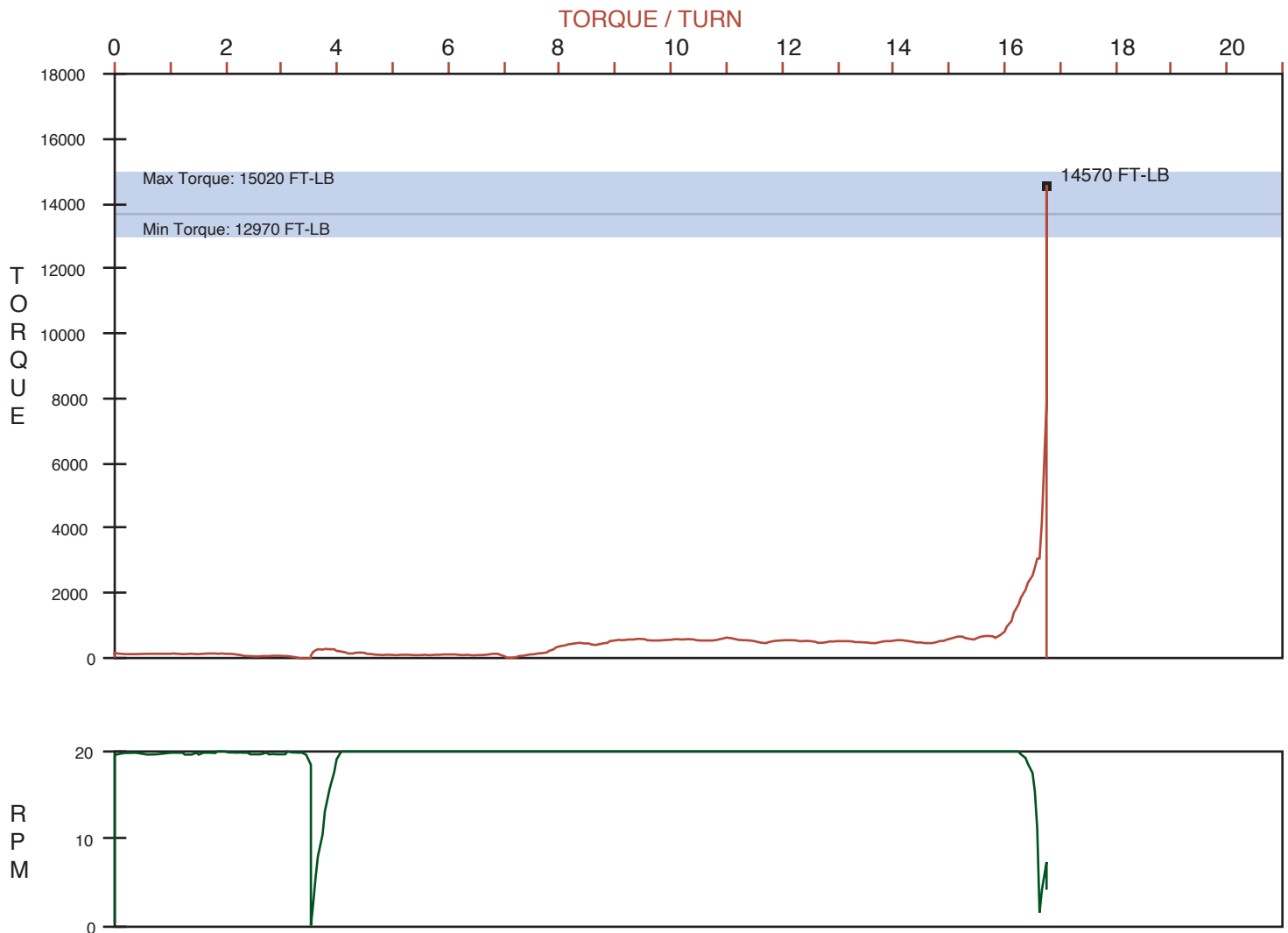


**Joint #: 202****Count #: 202**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 9:07:38 AM**

Heat/Lot#:

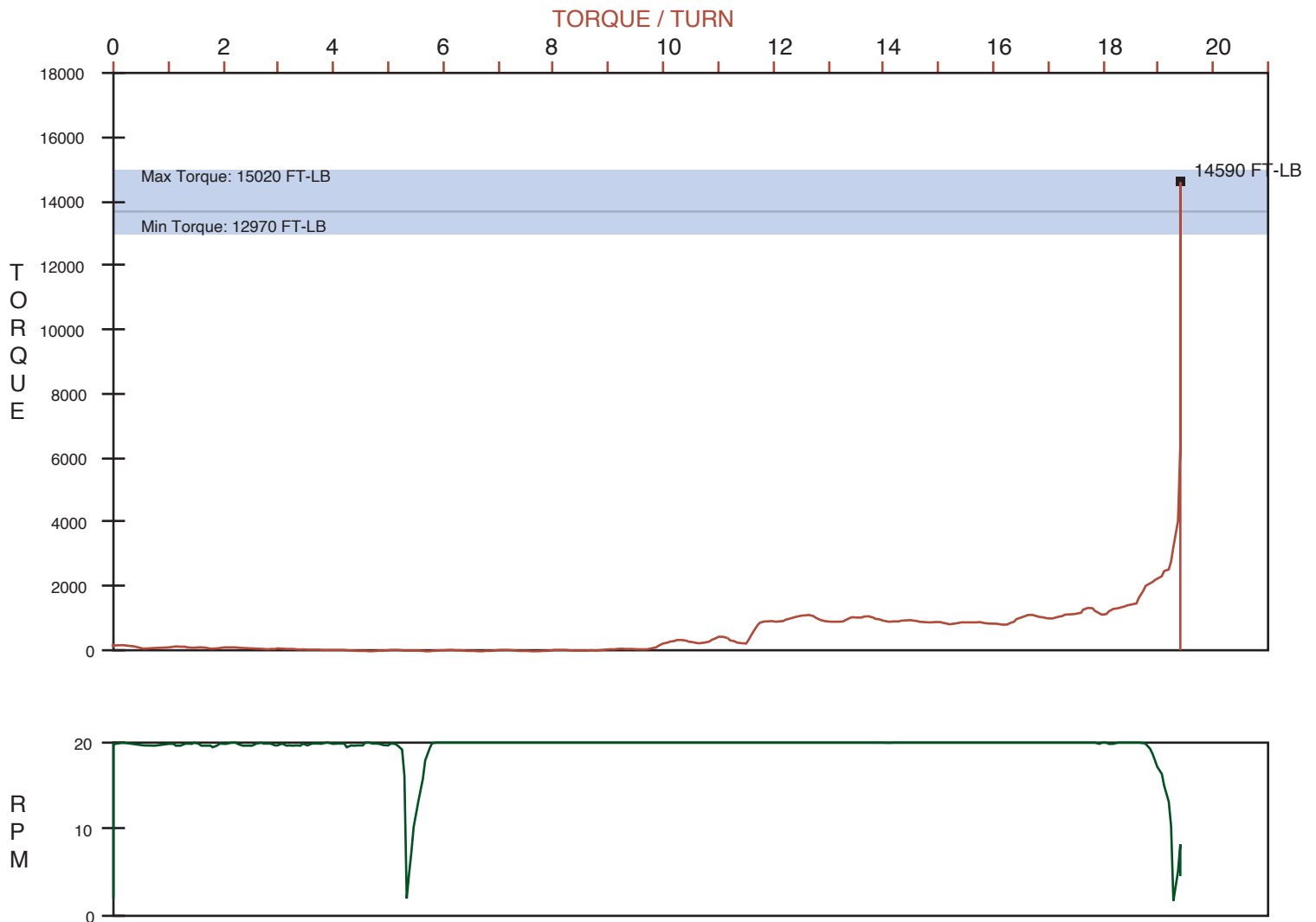
Pipe Length: **37.999 ft**Cumulative Length: **7584.058 ft**Cumulative Weight: **173989.779 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14570 FT-LB**Final Turns: **16.746**Max RPM: **20.790**Delta Torque: **5990 FT-LB**Delta Turns: **0.032**Notes: **joint 202**

**Joint #: 203****Count #: 203**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 9:11:30 AM**

Heat/Lot#:

Pipe Length: **38.232 ft**Cumulative Length: **7622.290 ft**Cumulative Weight: **174869.115 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14590 FT-LB**Final Turns: **19.412**Max RPM: **20.820**Delta Torque: **3850 FT-LB**Delta Turns: **0.012**Notes: **joint 203**

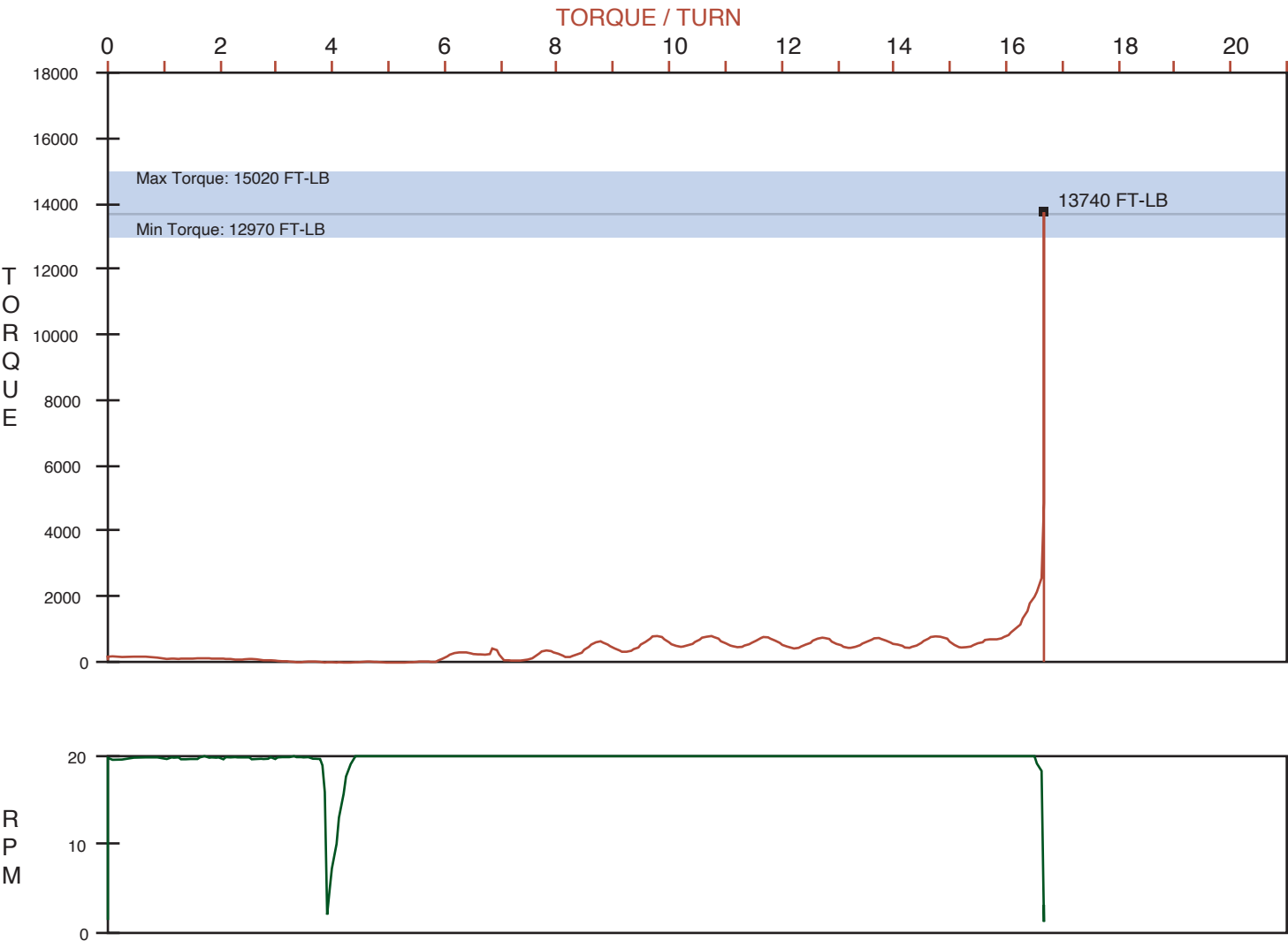
Joint #: 204

Count #: 204

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:15:13 AM	Heat/Lot#:	
Pipe Length:	34.951 ft		
Cumulative Length:	7657.241 ft		
Cumulative Weight:	175672.988 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13740 FT-LB
Final Turns:	16.683
Max RPM:	20.790
Delta Torque:	4400 FT-LB
Delta Turns:	0.017

Notes: joint 204



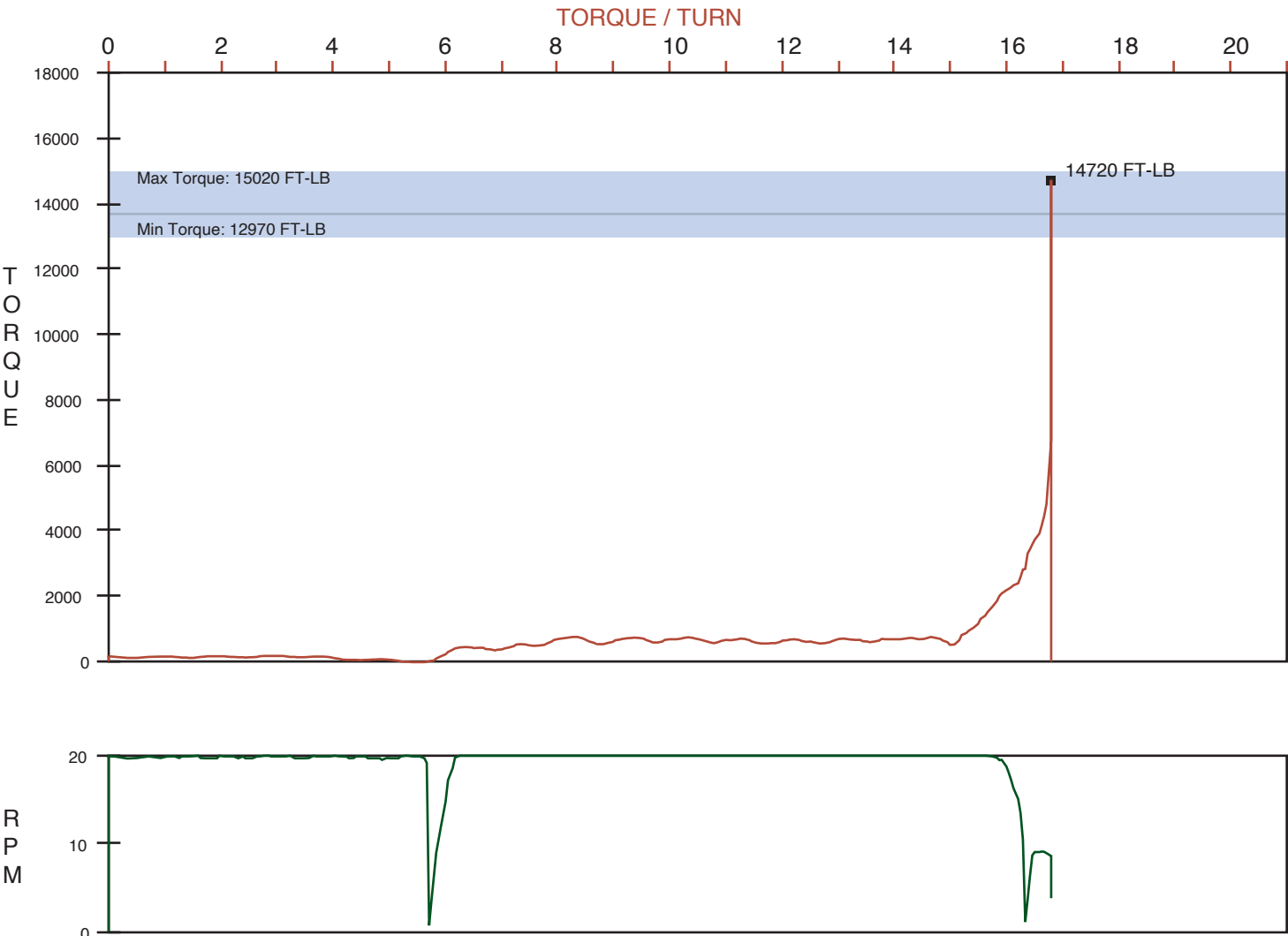
Joint #: 205

Count #: 205

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:18:33 AM	Heat/Lot#:	
Pipe Length:	36.959 ft		
Cumulative Length:	7694.200 ft		
Cumulative Weight:	176523.045 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14720 FT-LB
Final Turns:	16.781
Max RPM:	20.700
Delta Torque:	3030 FT-LB
Delta Turns:	0.004

Notes: joint 205



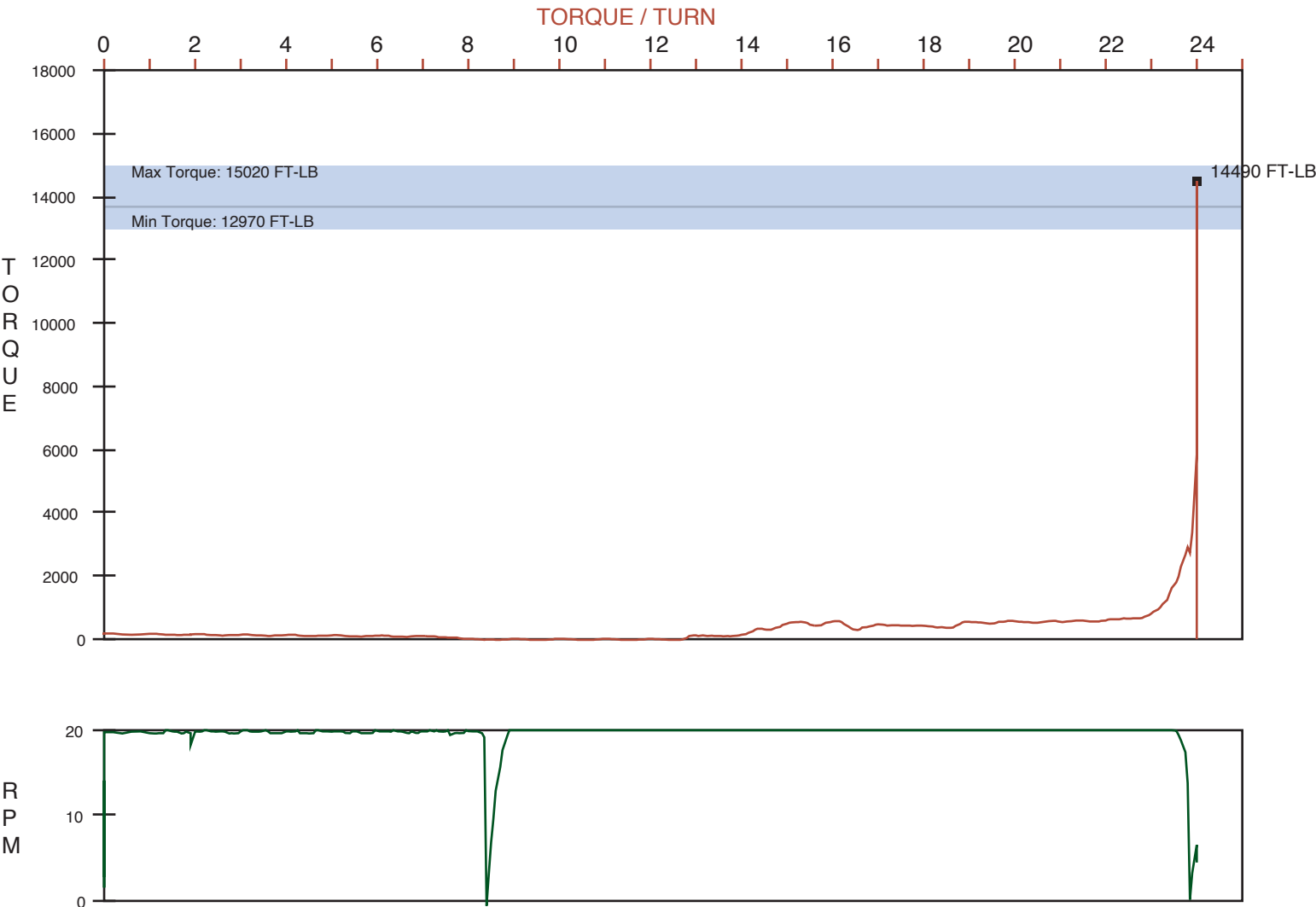
Joint #: 206

Count #: 206

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:22:11 AM	Heat/Lot#:	
Pipe Length:	35.384 ft		
Cumulative Length:	7729.584 ft		
Cumulative Weight:	177336.877 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14490 FT-LB
Final Turns:	23.990
Max RPM:	21.420
Delta Torque:	8650 FT-LB
Delta Turns:	0.062

Notes: joint 206



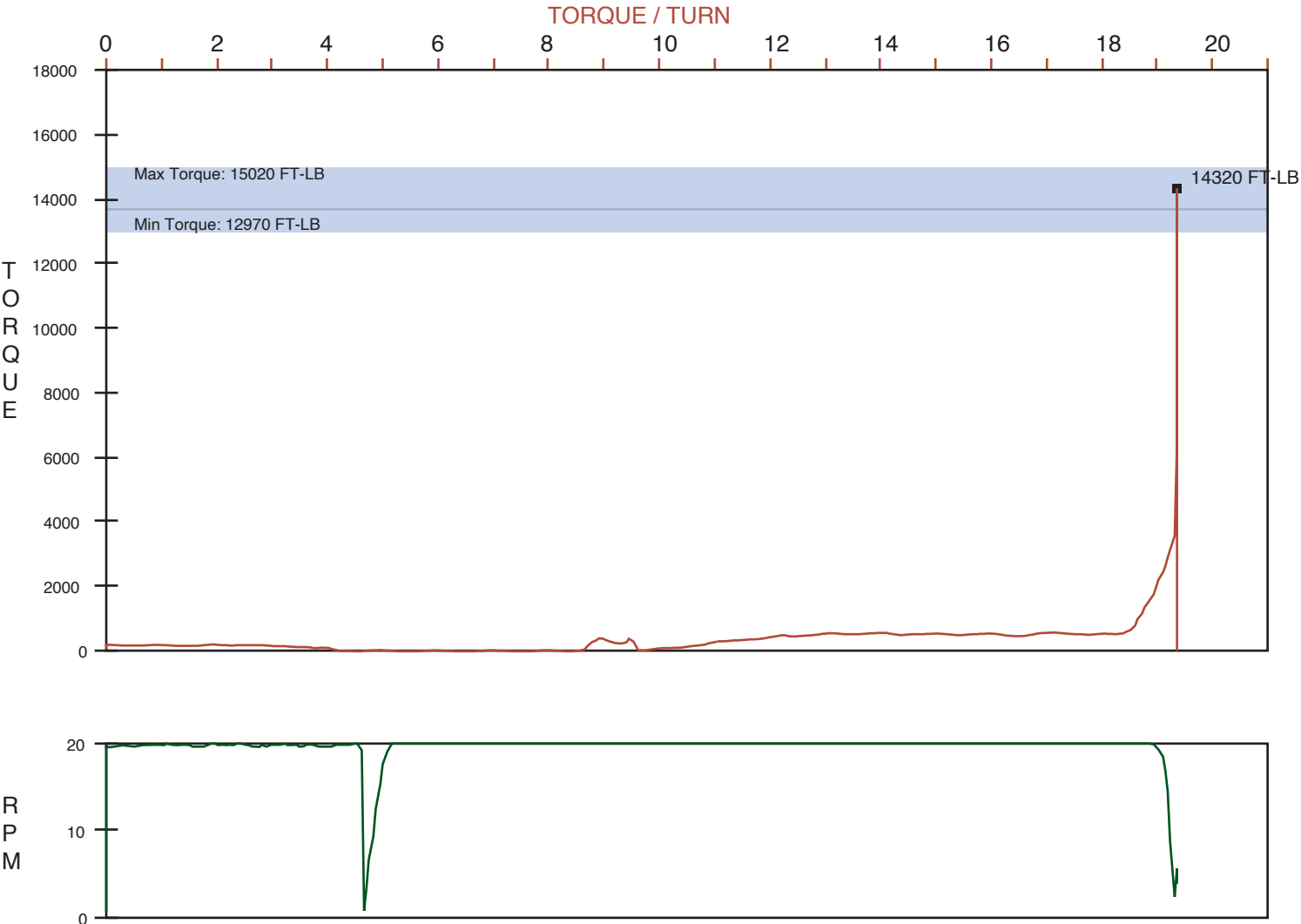
Joint #: 207

Count #: 207

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:25:48 AM	Heat/Lot#:	
Pipe Length:	38.005 ft		
Cumulative Length:	7767.589 ft		
Cumulative Weight:	178210.992 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14320 FT-LB
Final Turns:	19.364
Max RPM:	20.790
Delta Torque:	5580 FT-LB
Delta Turns:	0.027

Notes: joint 207



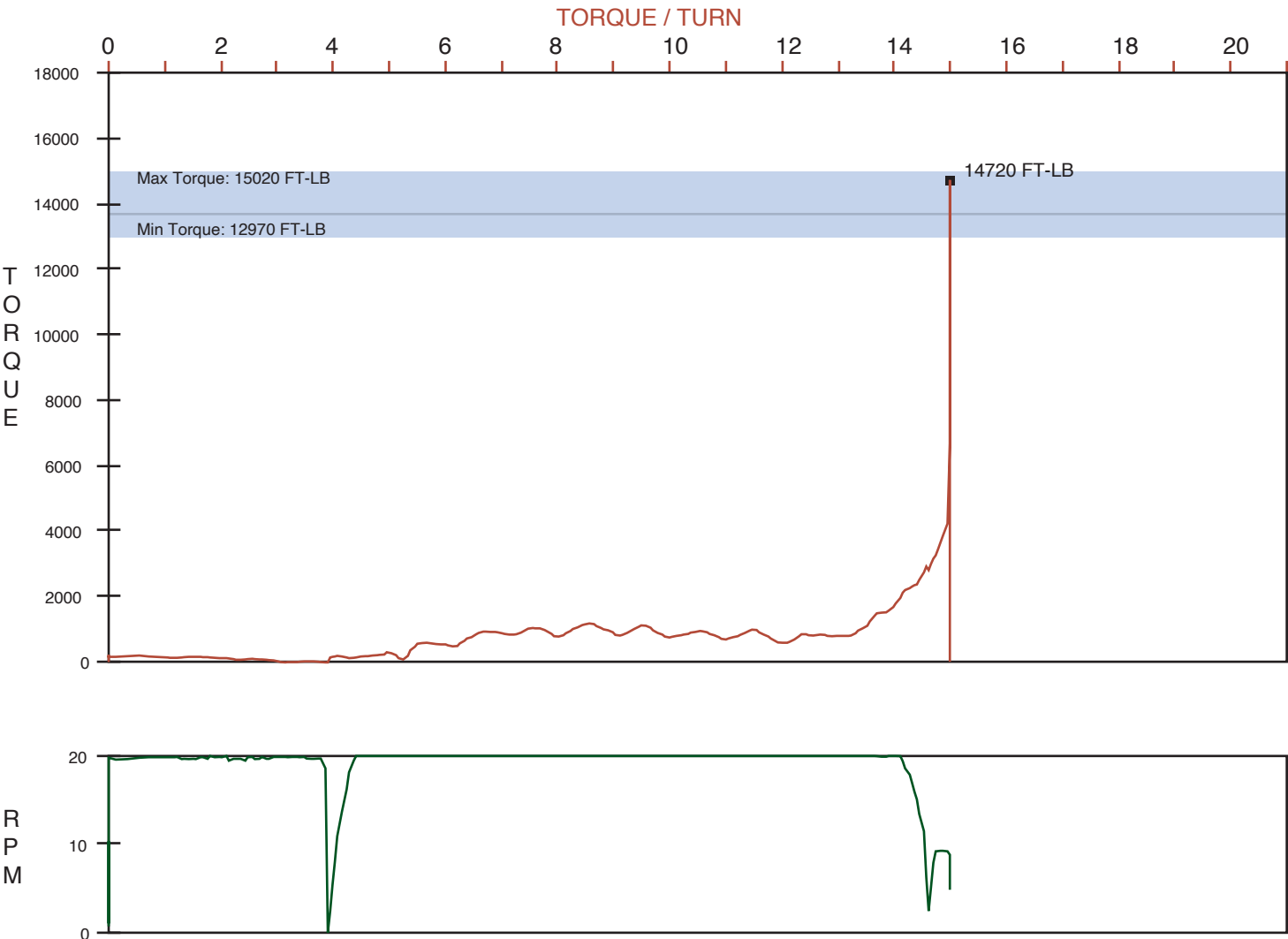
Joint #: 208

Count #: 208

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:30:29 AM	Heat/Lot#:	
Pipe Length:	33.832 ft		
Cumulative Length:	7801.421 ft		
Cumulative Weight:	178989.128 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14720 FT-LB
Final Turns:	14.998
Max RPM:	20.730
Delta Torque:	5770 FT-LB
Delta Turns:	0.028

Notes: joint 208



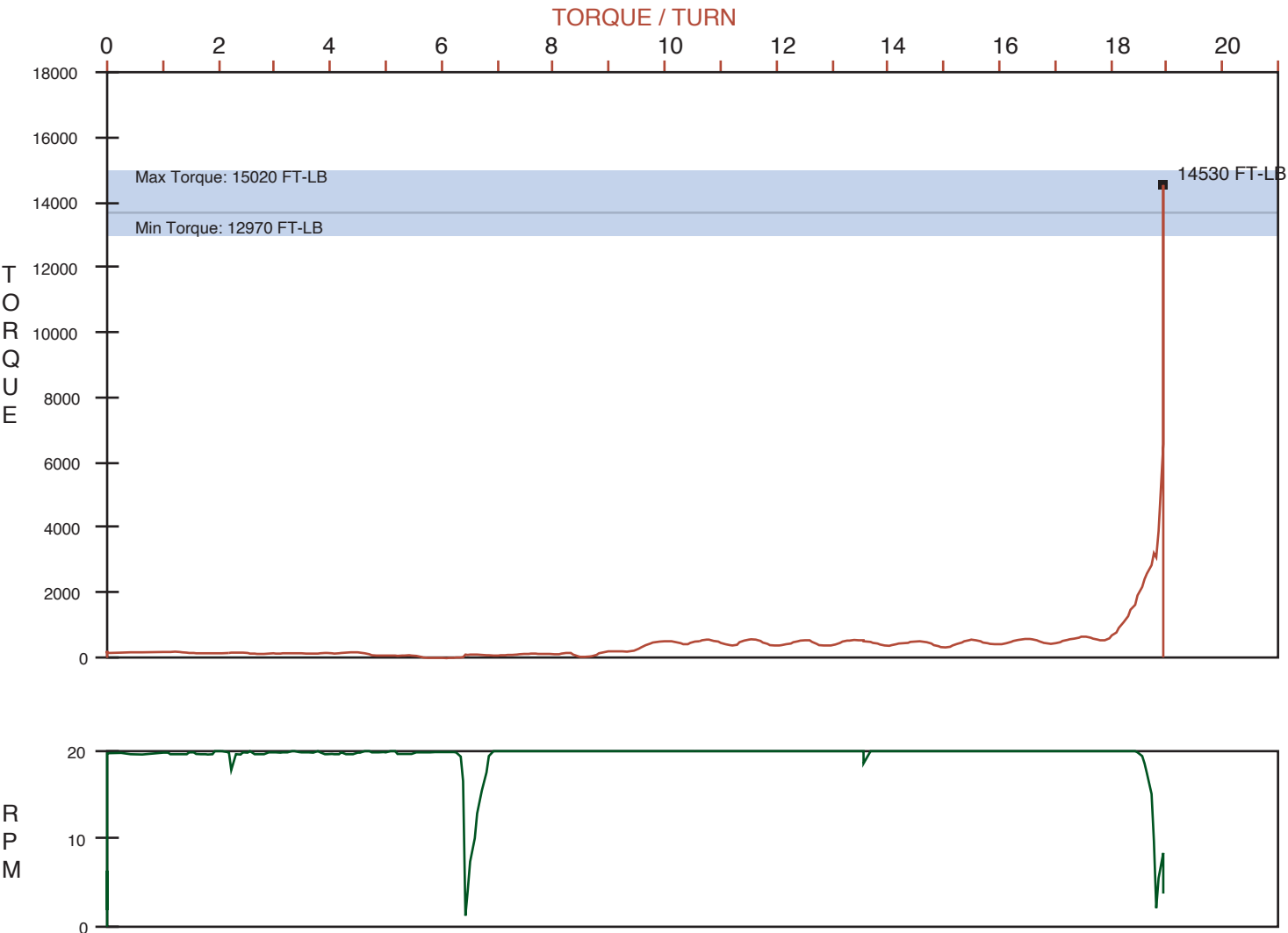
**Joint #: 209**

**Count #: 209**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:34:02 AM	Heat/Lot#:	
Pipe Length:	37.841 ft		
Cumulative Length:	7839.262 ft		
Cumulative Weight:	179859.471 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14530 FT-LB
Final Turns:	18.942
Max RPM:	22.350
Delta Torque:	8970 FT-LB
Delta Turns:	0.063

Notes: joint 209





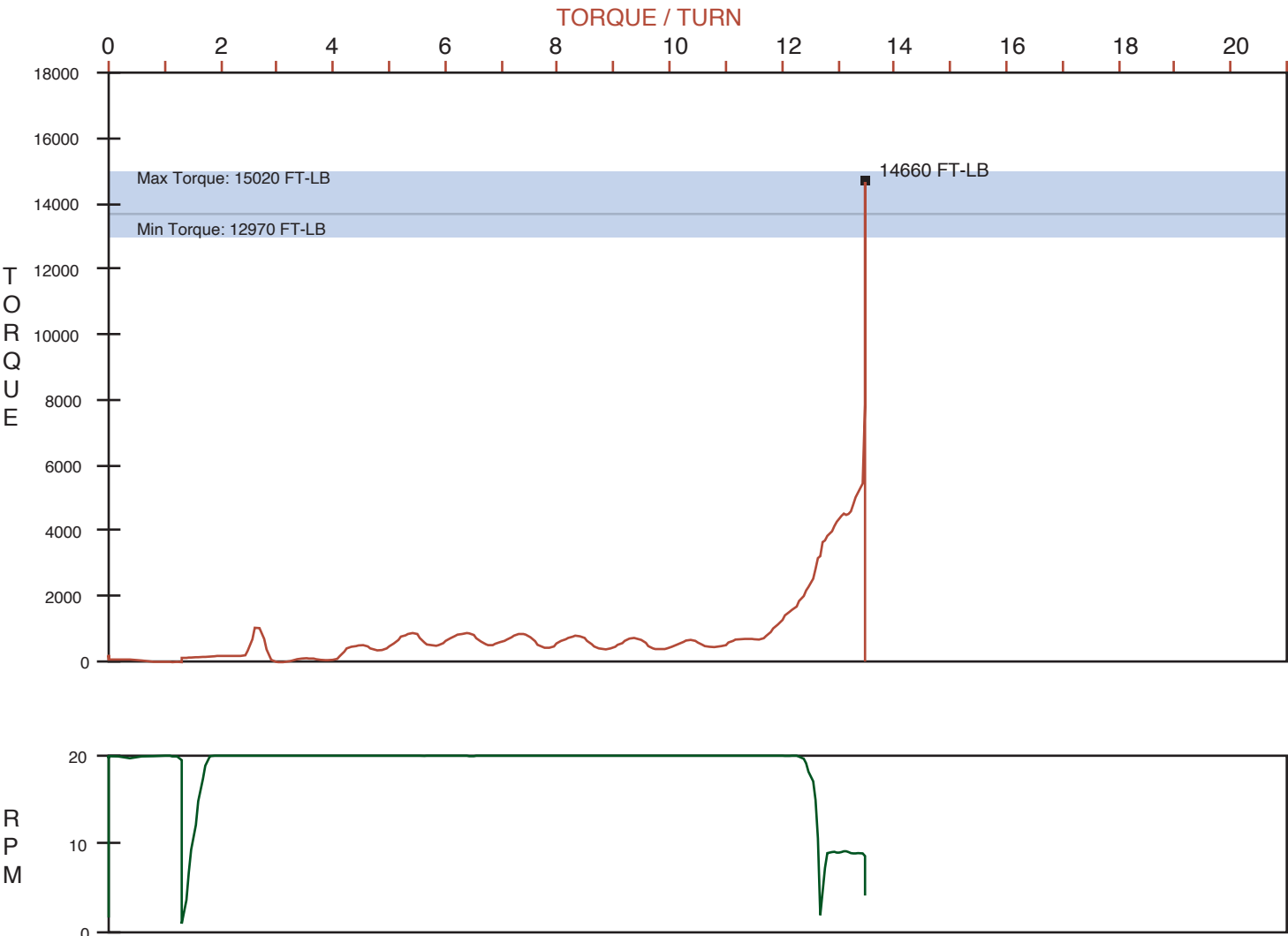
Joint #: 210

Count #: 210

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:37:41 AM	Heat/Lot#:	
Pipe Length:	34.491 ft		
Cumulative Length:	7873.753 ft		
Cumulative Weight:	180652.764 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14660 FT-LB
Final Turns:	13.482
Max RPM:	21.720
Delta Torque:	7900 FT-LB
Delta Turns:	0.056

Notes: joint 210



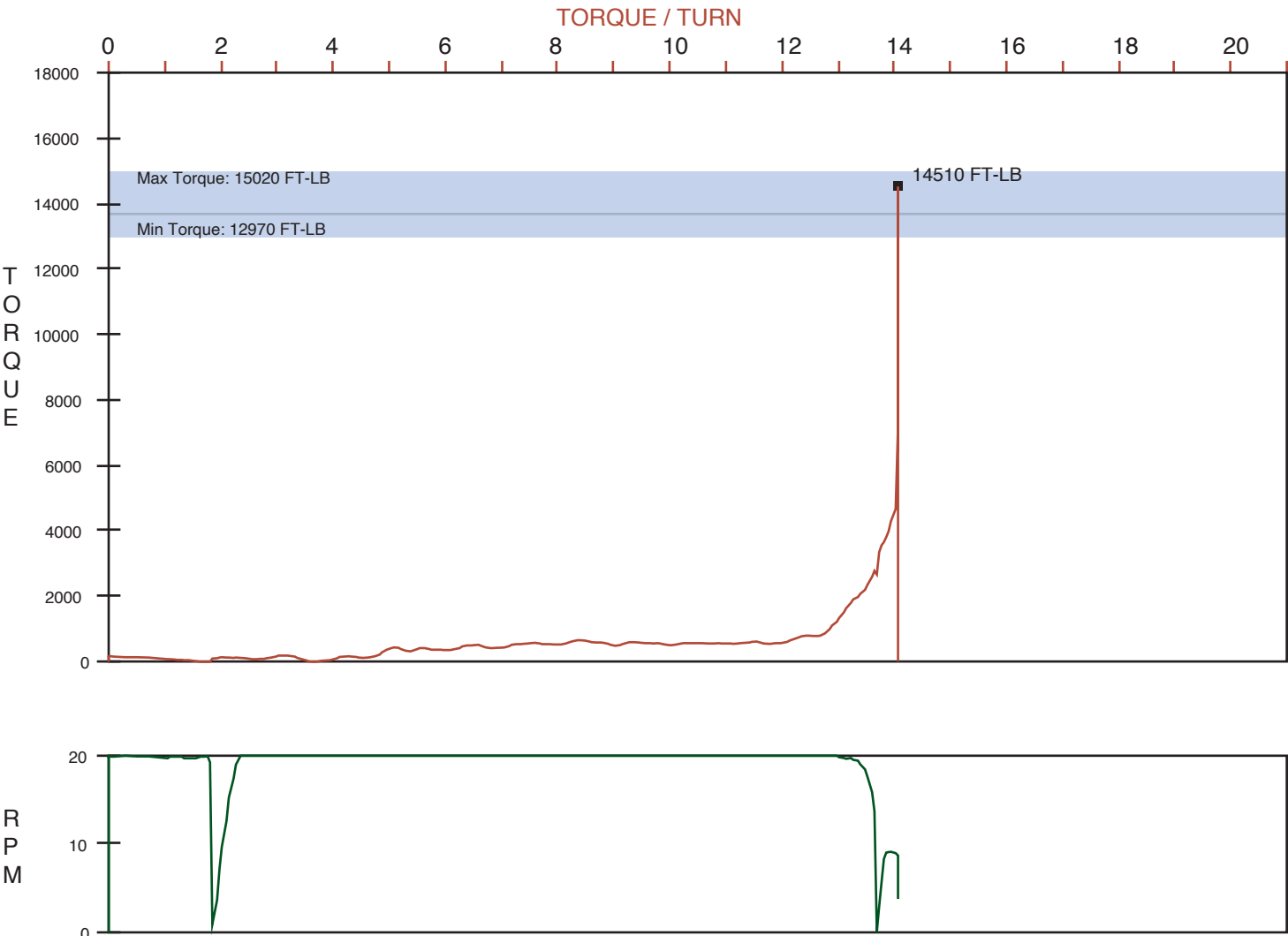
Joint #: 211

Count #: 211

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:41:45 AM	Heat/Lot#:	
Pipe Length:	34.974 ft		
Cumulative Length:	7908.727 ft		
Cumulative Weight:	181457.166 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14510 FT-LB
Final Turns:	14.082
Max RPM:	20.760
Delta Torque:	3680 FT-LB
Delta Turns:	0.003

Notes: joint 211



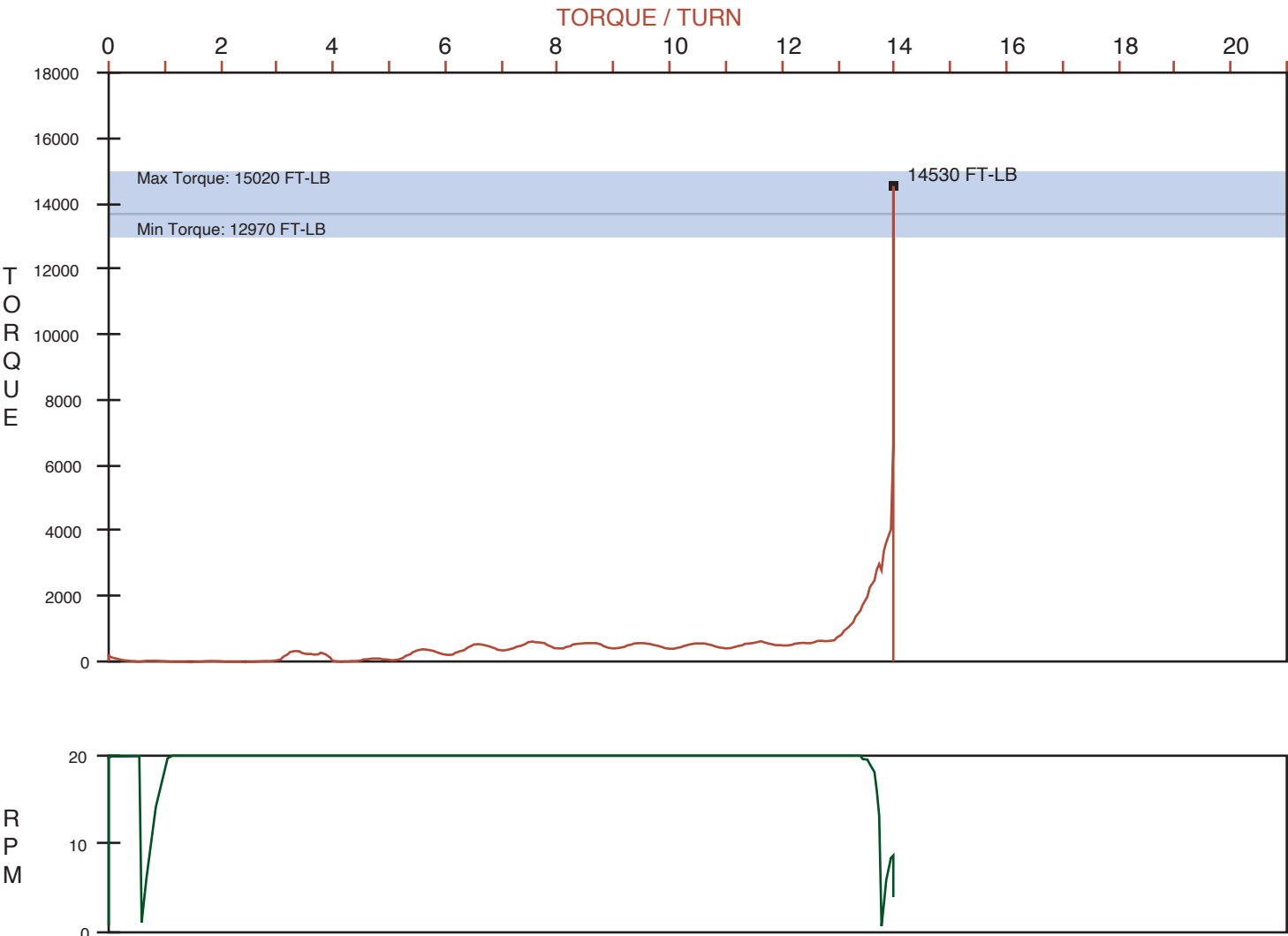
Joint #: 212

Count #: 212

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:44:58 AM	Heat/Lot#:	
Pipe Length:	34.354 ft		
Cumulative Length:	7943.081 ft		
Cumulative Weight:	182247.308 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14530 FT-LB
Final Turns:	13.99
Max RPM:	20.790
Delta Torque:	4530 FT-LB
Delta Turns:	0.015

Notes: joint 212



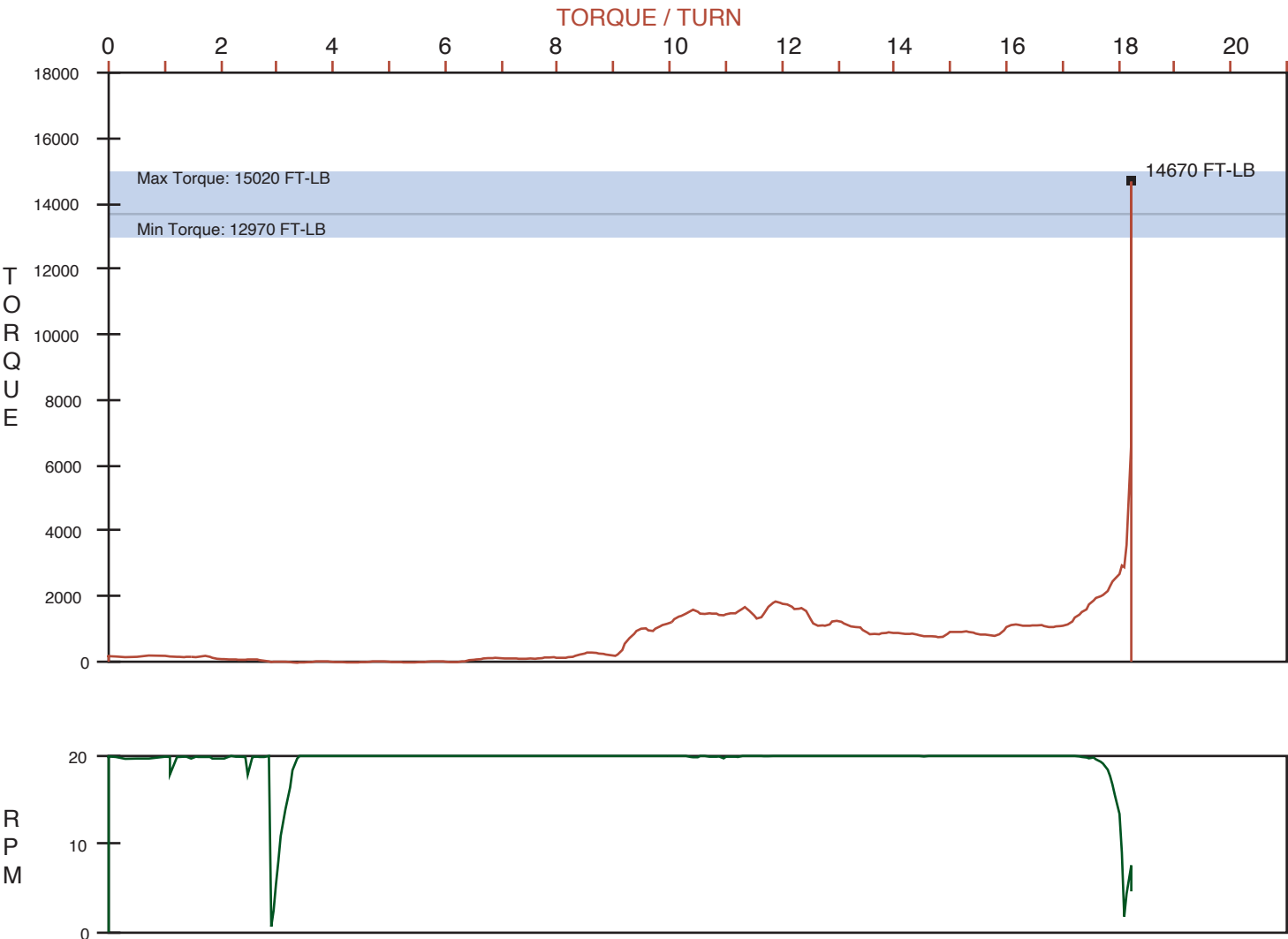
Joint #: 213

Count #: 213

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:48:31 AM	Heat/Lot#:	
Pipe Length:	35.367 ft		
Cumulative Length:	7978.448 ft		
Cumulative Weight:	183060.749 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14670 FT-LB
Final Turns:	18.208
Max RPM:	21.690
Delta Torque:	3830 FT-LB
Delta Turns:	0.005

Notes: joint 213



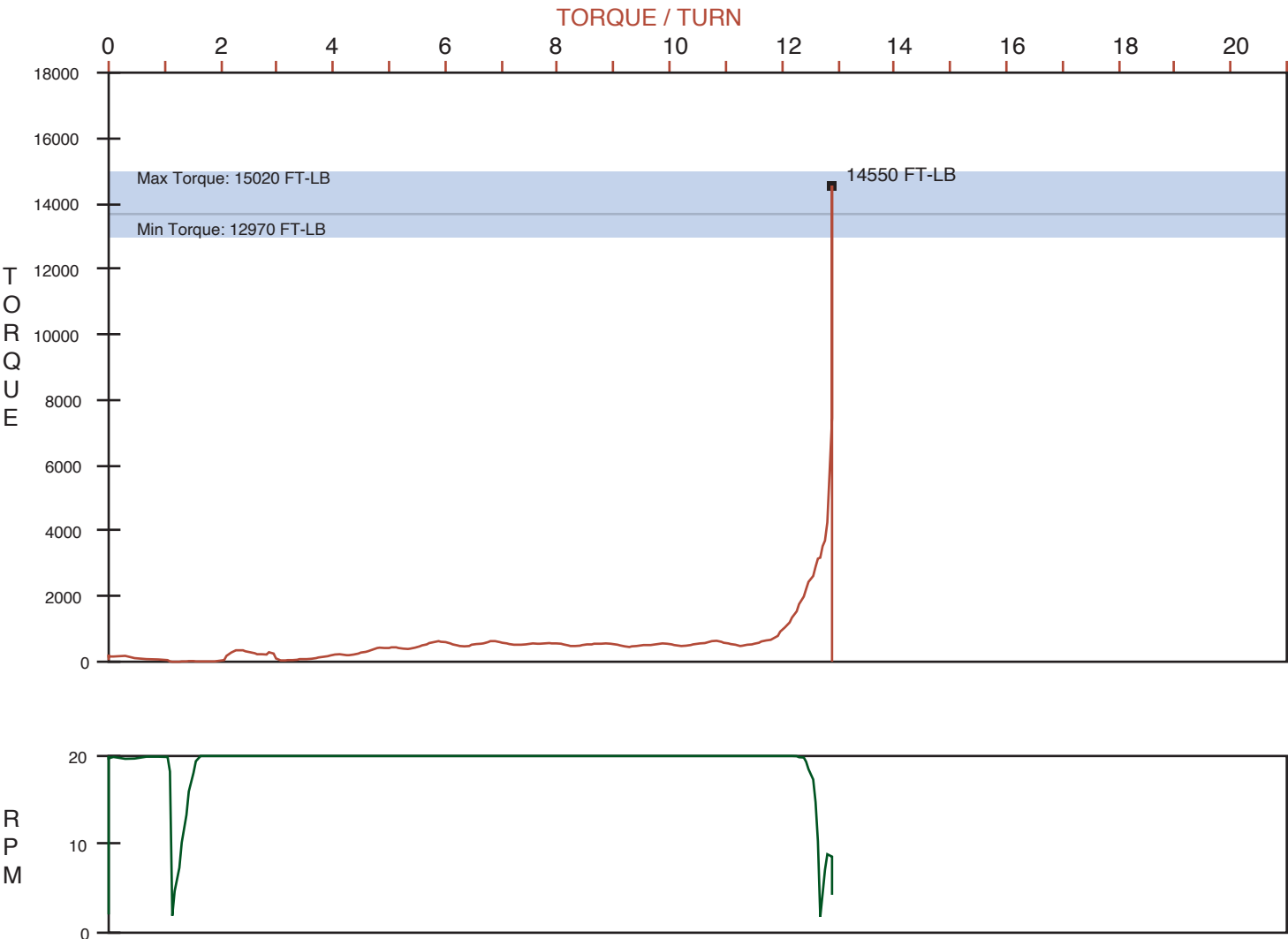
Joint #: 214

Count #: 214

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 9:51:22 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	8016.276 ft		
Cumulative Weight:	183930.793 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14550 FT-LB
Final Turns:	12.882
Max RPM:	20.760
Delta Torque:	3460 FT-LB
Delta Turns:	0.010

Notes: joint 214

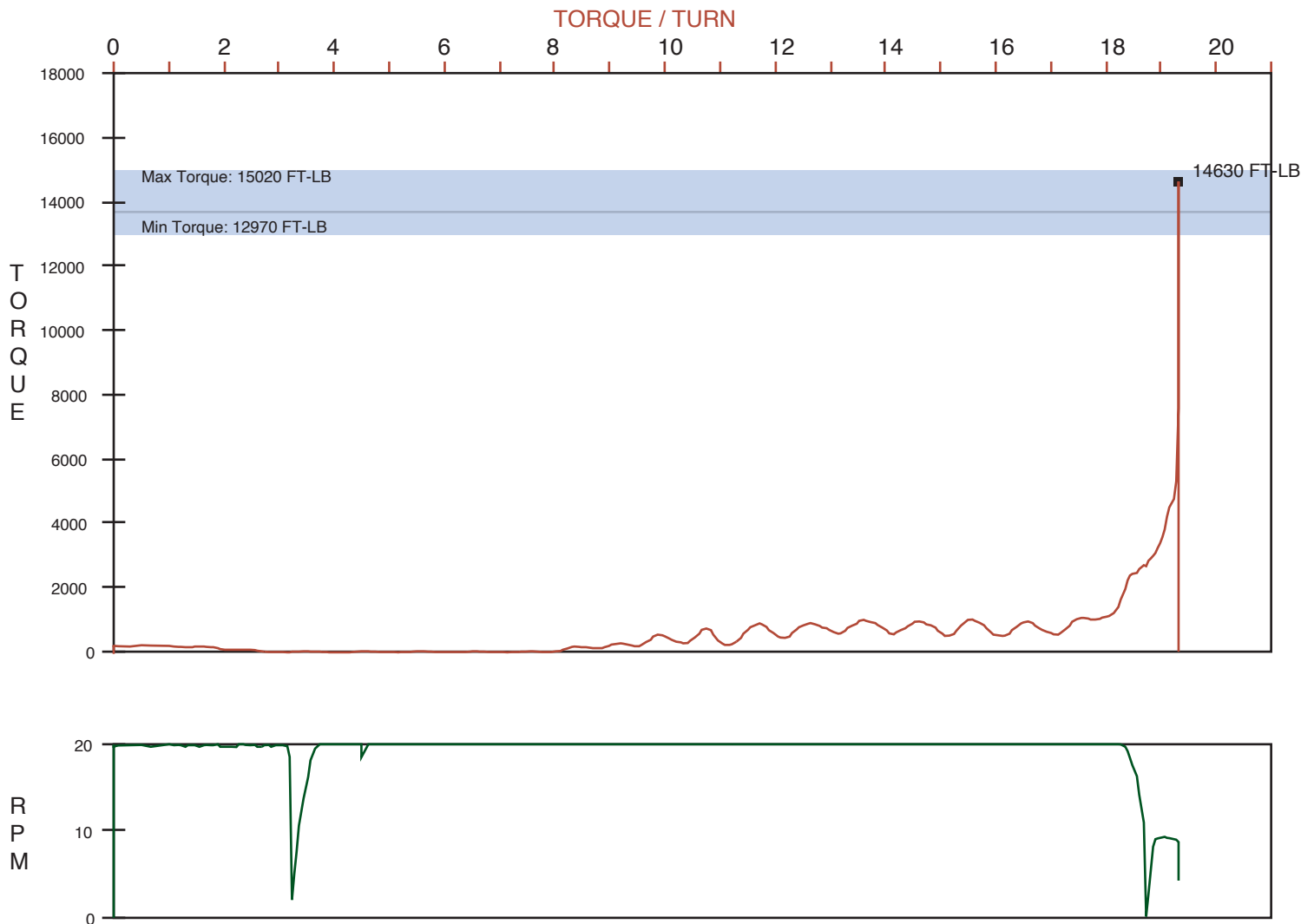


**Joint #: 215****Count #: 215**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 9:54:36 AM**

Heat/Lot#:

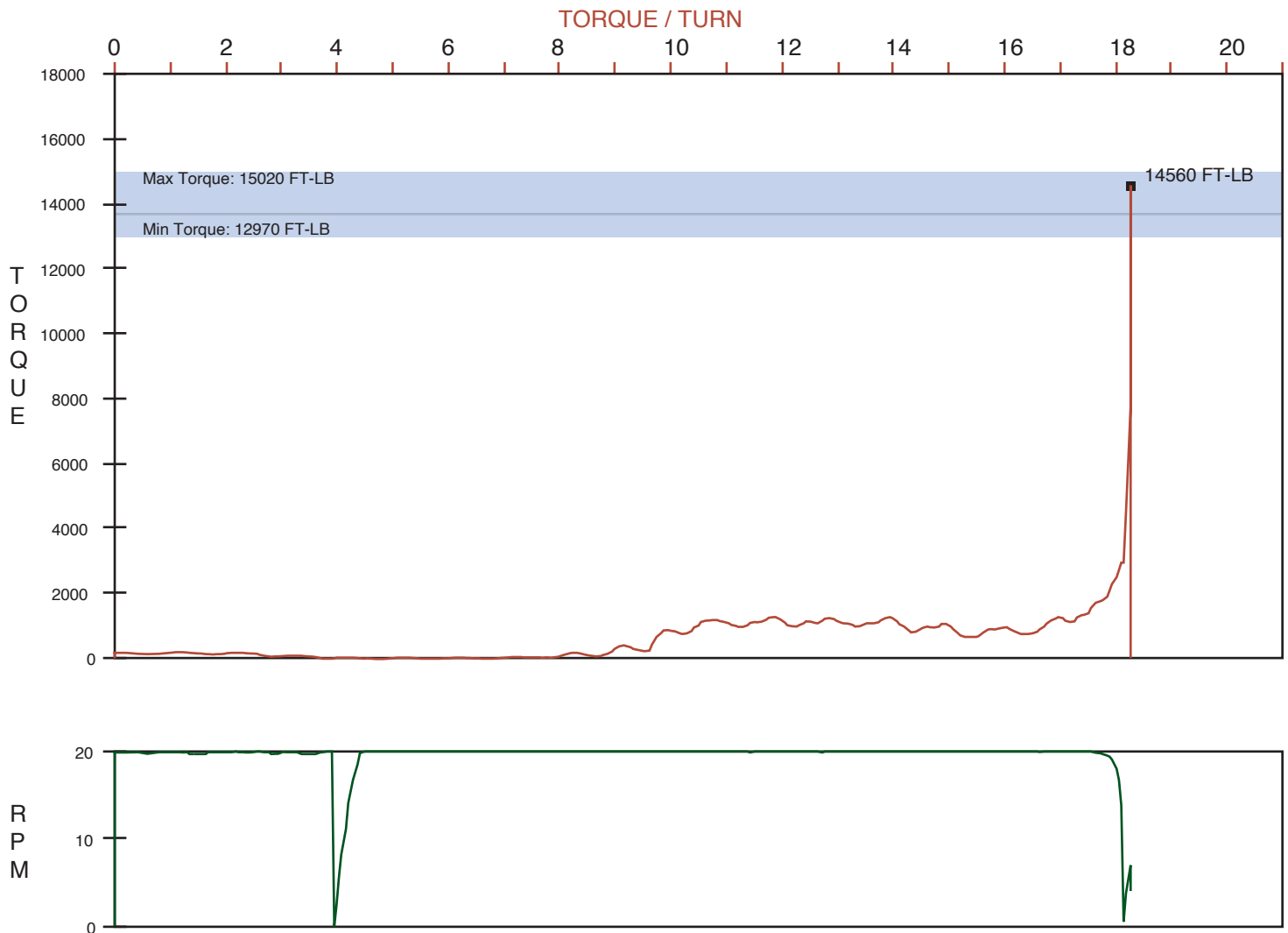
Pipe Length: **37.828 ft**Cumulative Length: **8054.104 ft**Cumulative Weight: **184800.837 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14630 FT-LB**Final Turns: **19.33**Max RPM: **22.440**Delta Torque: **3720 FT-LB**Delta Turns: **0.010**Notes: **joint 215**

**Joint #: 216****Count #: 216**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 9:57:55 AM**

Heat/Lot#:

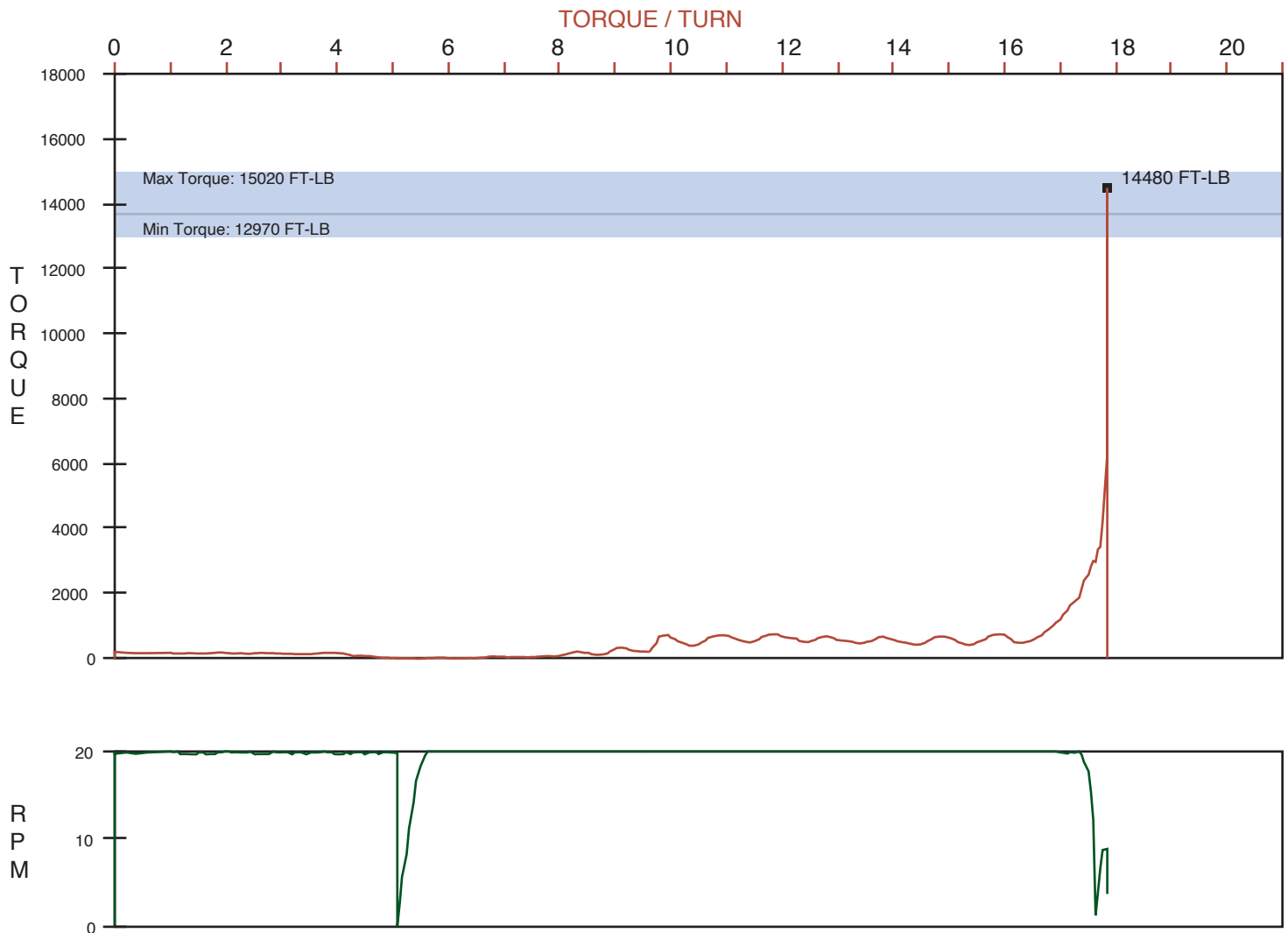
Pipe Length: **37.851 ft**Cumulative Length: **8091.955 ft**Cumulative Weight: **185671.410 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14560 FT-LB**Final Turns: **18.261**Max RPM: **20.820**Delta Torque: **5720 FT-LB**Delta Turns: **0.029**Notes: **joint 216**

**Joint #: 217****Count #: 217**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:01:26 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	8129.783 ft		
Cumulative Weight:	186541.454 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14480 FT-LB
Final Turns:	17.838
Max RPM:	20.760
Delta Torque:	3870 FT-LB
Delta Turns:	0.013

Notes: joint 217



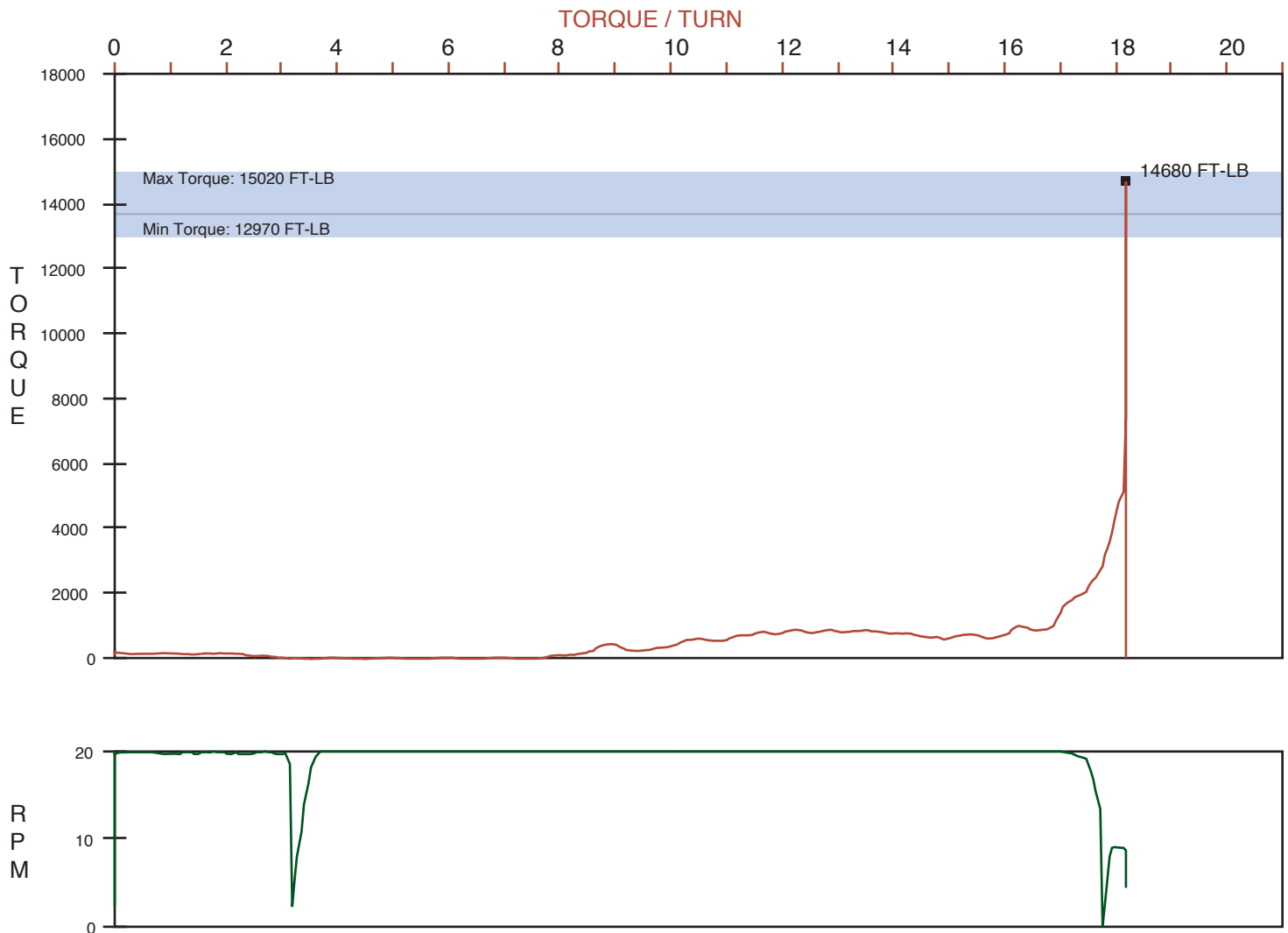


**Joint #: 218****Count #: 218**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:05:10 AM	Heat/Lot#:	
Pipe Length:	34.974 ft		
Cumulative Length:	8164.757 ft		
Cumulative Weight:	187345.856 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14680 FT-LB
Final Turns:	18.192
Max RPM:	20.790
Delta Torque:	6160 FT-LB
Delta Turns:	0.034

Notes: joint 218



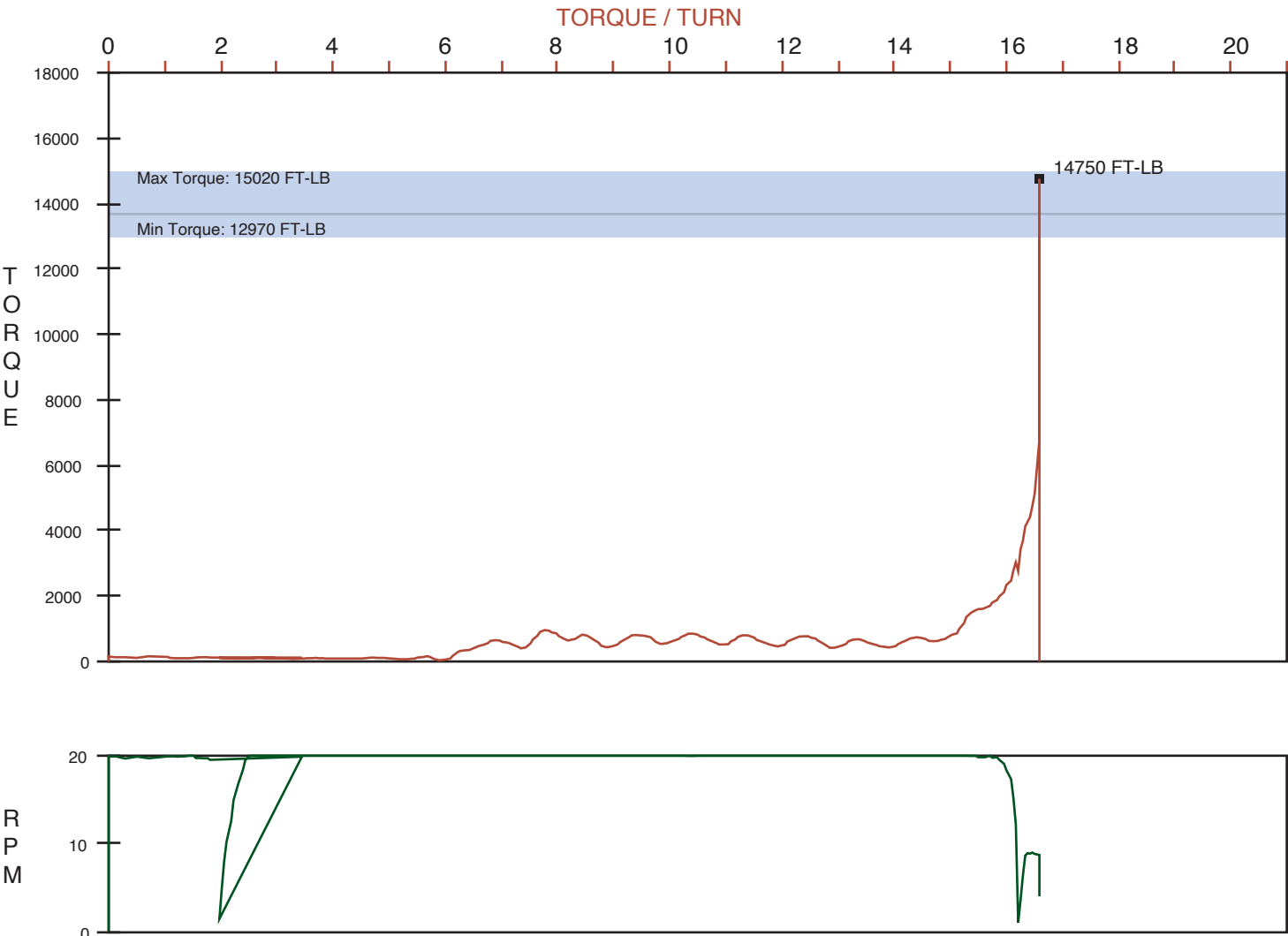
Joint #: 219

Count #: 219

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:08:53 AM	Heat/Lot#:	
Pipe Length:	37.841 ft		
Cumulative Length:	8202.598 ft		
Cumulative Weight:	188216.199 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14750 FT-LB
Final Turns:	16.572
Max RPM:	20.790
Delta Torque:	6990 FT-LB
Delta Turns:	0.040

Notes: joint 219



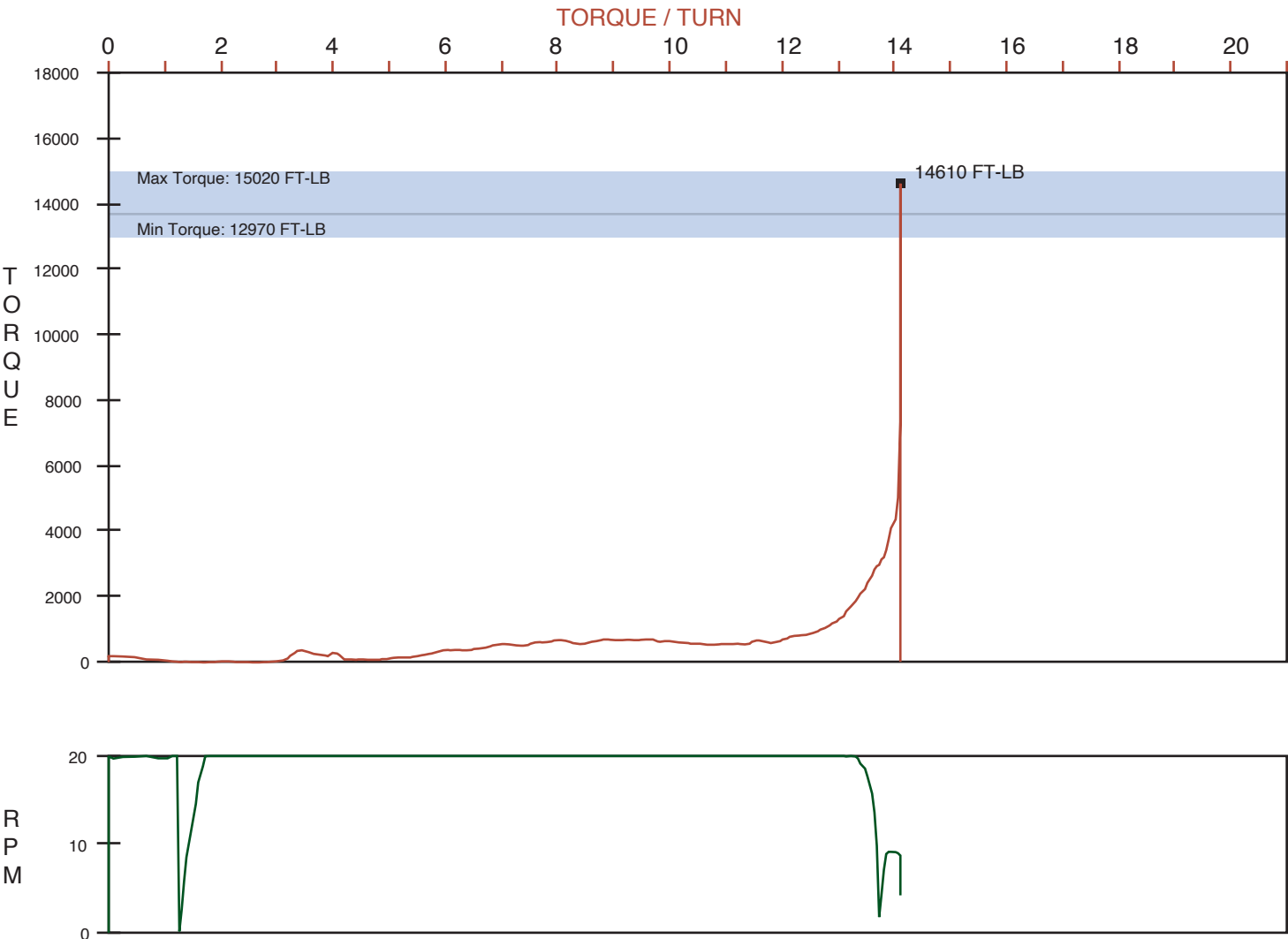
Joint #: 220

Count #: 220

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:12:41 AM	Heat/Lot#:	
Pipe Length:	37.687 ft		
Cumulative Length:	8240.285 ft		
Cumulative Weight:	189083.000 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14610 FT-LB
Final Turns:	14.107
Max RPM:	20.790
Delta Torque:	3230 FT-LB
Delta Turns:	0.008

Notes: joint 220



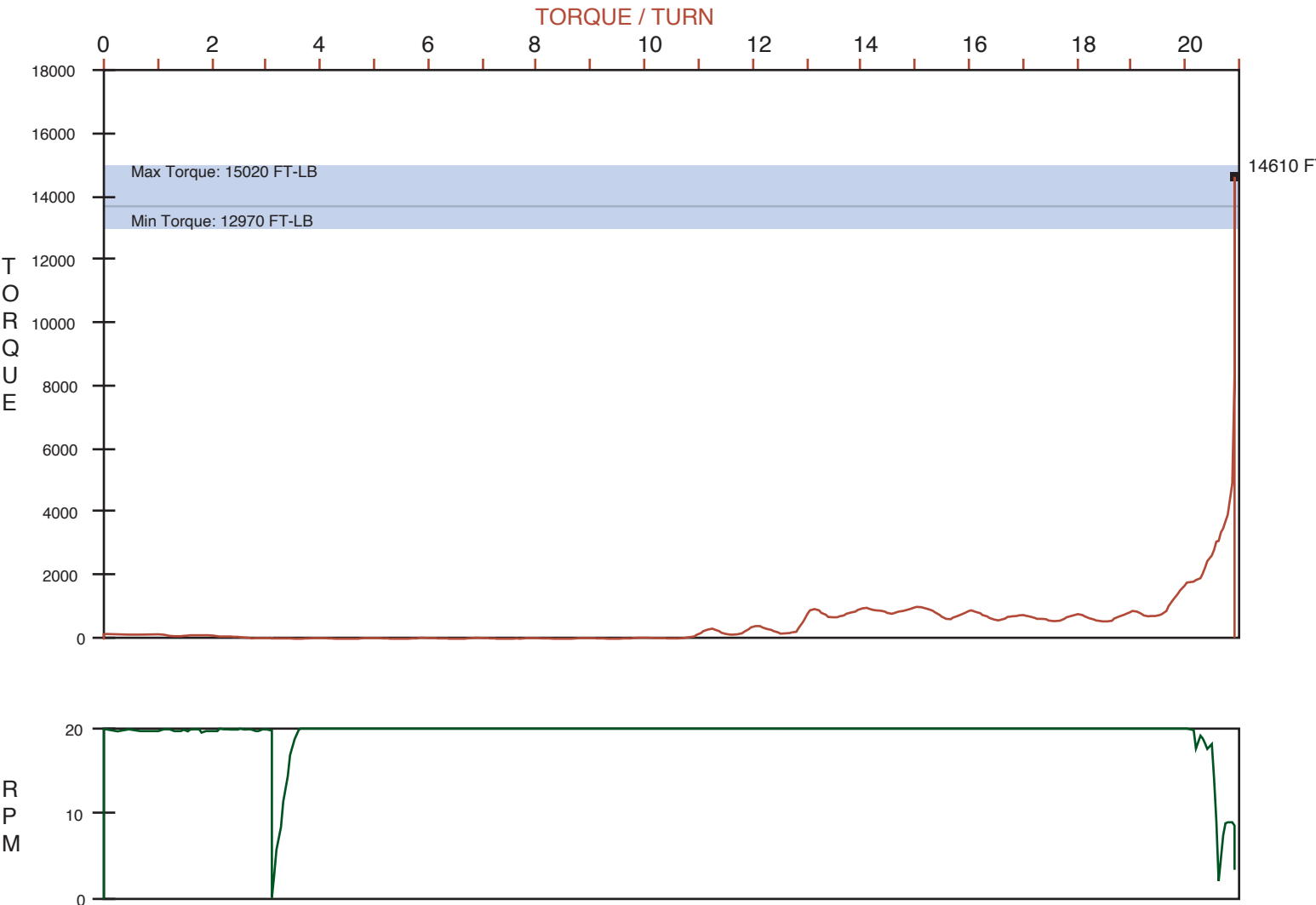
Joint #: 221

Count #: 221

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:29:04 AM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	8278.129 ft		
Cumulative Weight:	189953.412 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14610 FT-LB
Final Turns:	20.922
Max RPM:	20.790
Delta Torque:	3040 FT-LB
Delta Turns:	0.009

Notes: joint 221



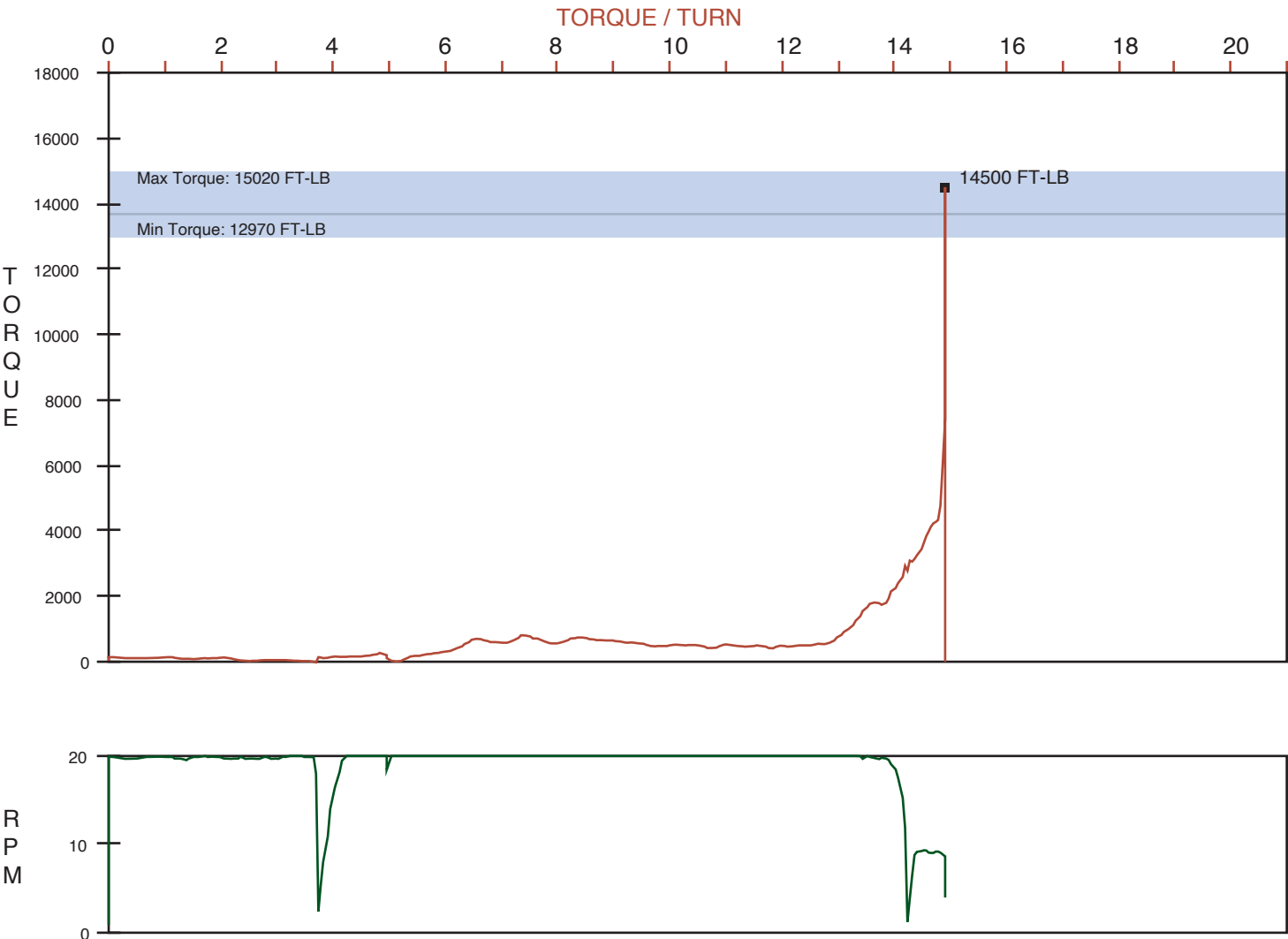
Joint #: 222

Count #: 222

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:32:30 AM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	8316.006 ft		
Cumulative Weight:	190824.583 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14500 FT-LB
Final Turns:	14.912
Max RPM:	22.380
Delta Torque:	6030 FT-LB
Delta Turns:	0.041

Notes: joint 222



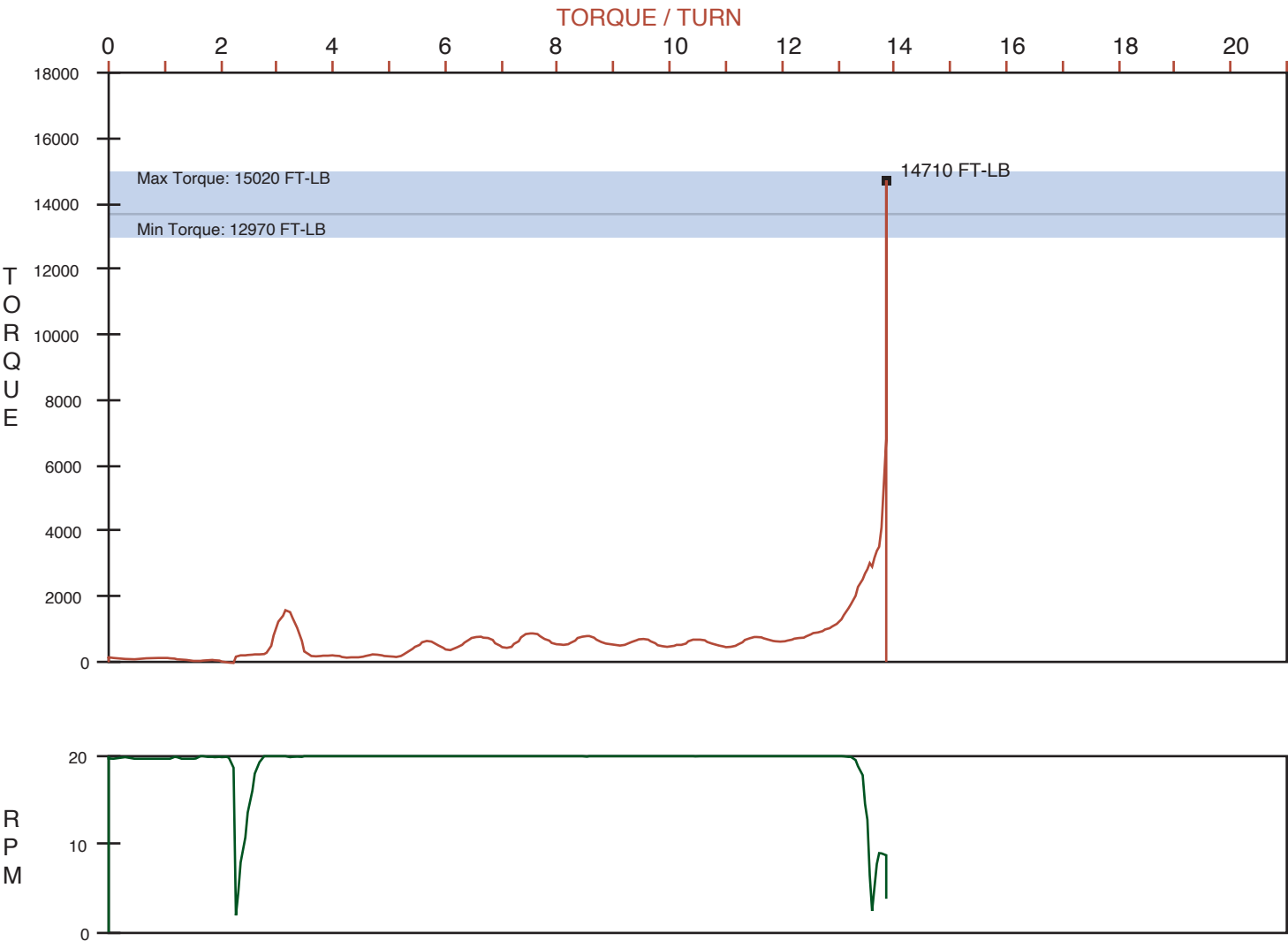
Joint #: 223

Count #: 223

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:37:04 AM	Heat/Lot#:	
Pipe Length:	37.822 ft		
Cumulative Length:	8353.828 ft		
Cumulative Weight:	191694.489 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14710 FT-LB
Final Turns:	13.858
Max RPM:	20.700
Delta Torque:	3910 FT-LB
Delta Turns:	0.014

Notes: joint 223



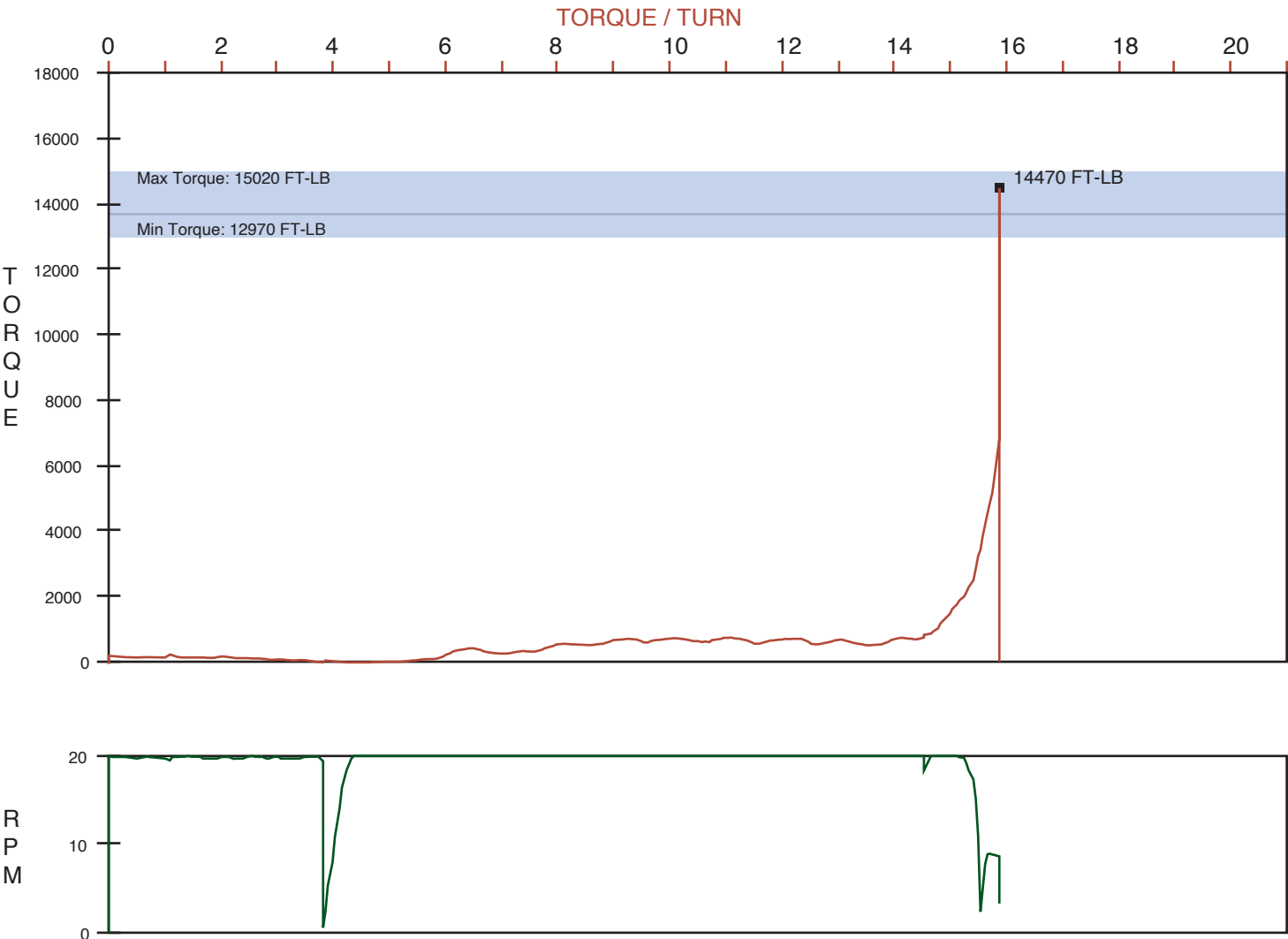
Joint #: 224

Count #: 224

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:40:37 AM	Heat/Lot#:	
Pipe Length:	37.730 ft		
Cumulative Length:	8391.558 ft		
Cumulative Weight:	192562.279 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14470 FT-LB
Final Turns:	15.880
Max RPM:	22.050
Delta Torque:	7650 FT-LB
Delta Turns:	0.055

Notes: joint 224

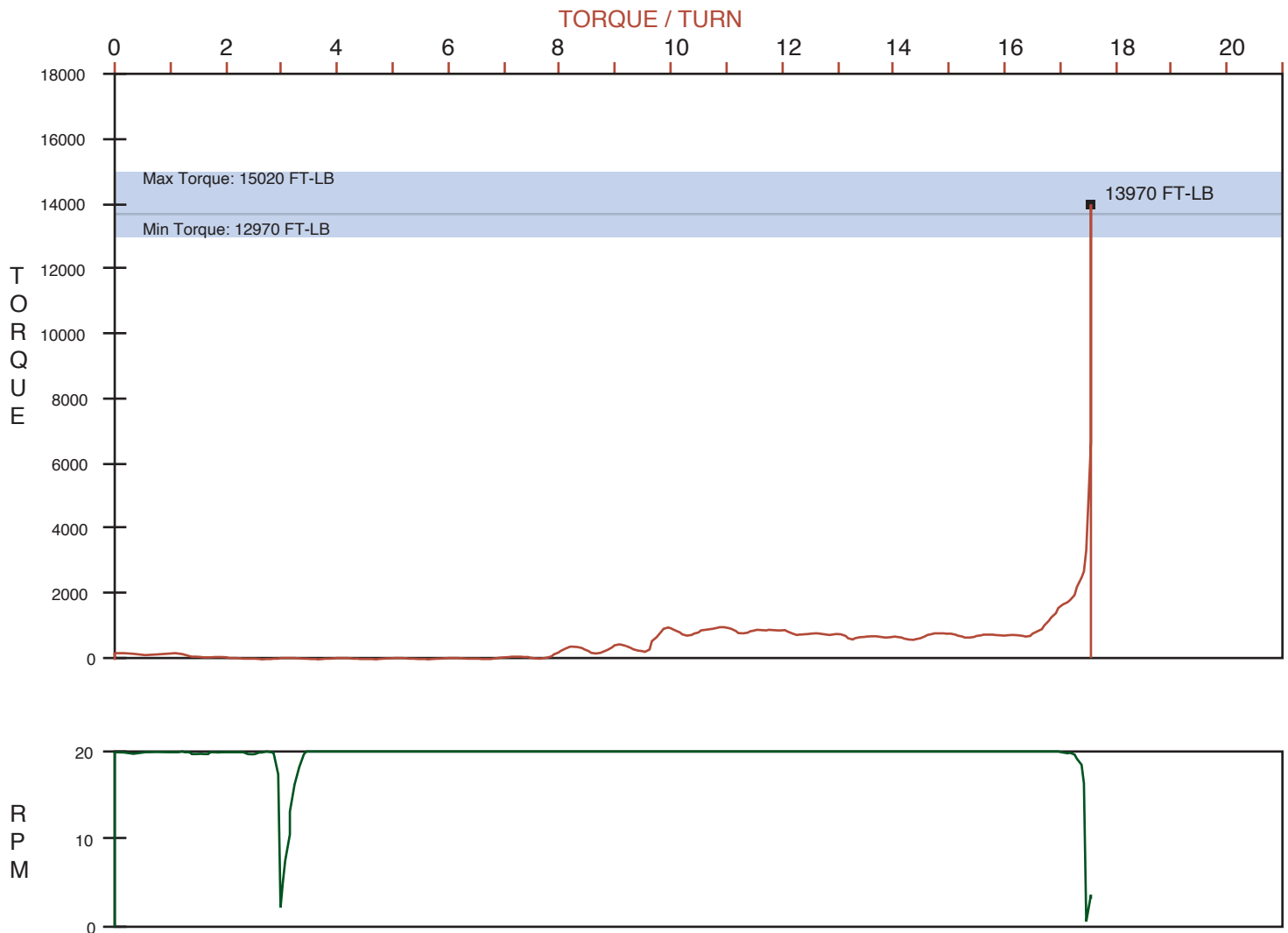


**Joint #: 225****Count #: 225**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:43:39 AM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	8429.402 ft		
Cumulative Weight:	193432.691 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	13970 FT-LB
Final Turns:	17.546
Max RPM:	22.380
Delta Torque:	3600 FT-LB
Delta Turns:	0.017

Notes: joint 225



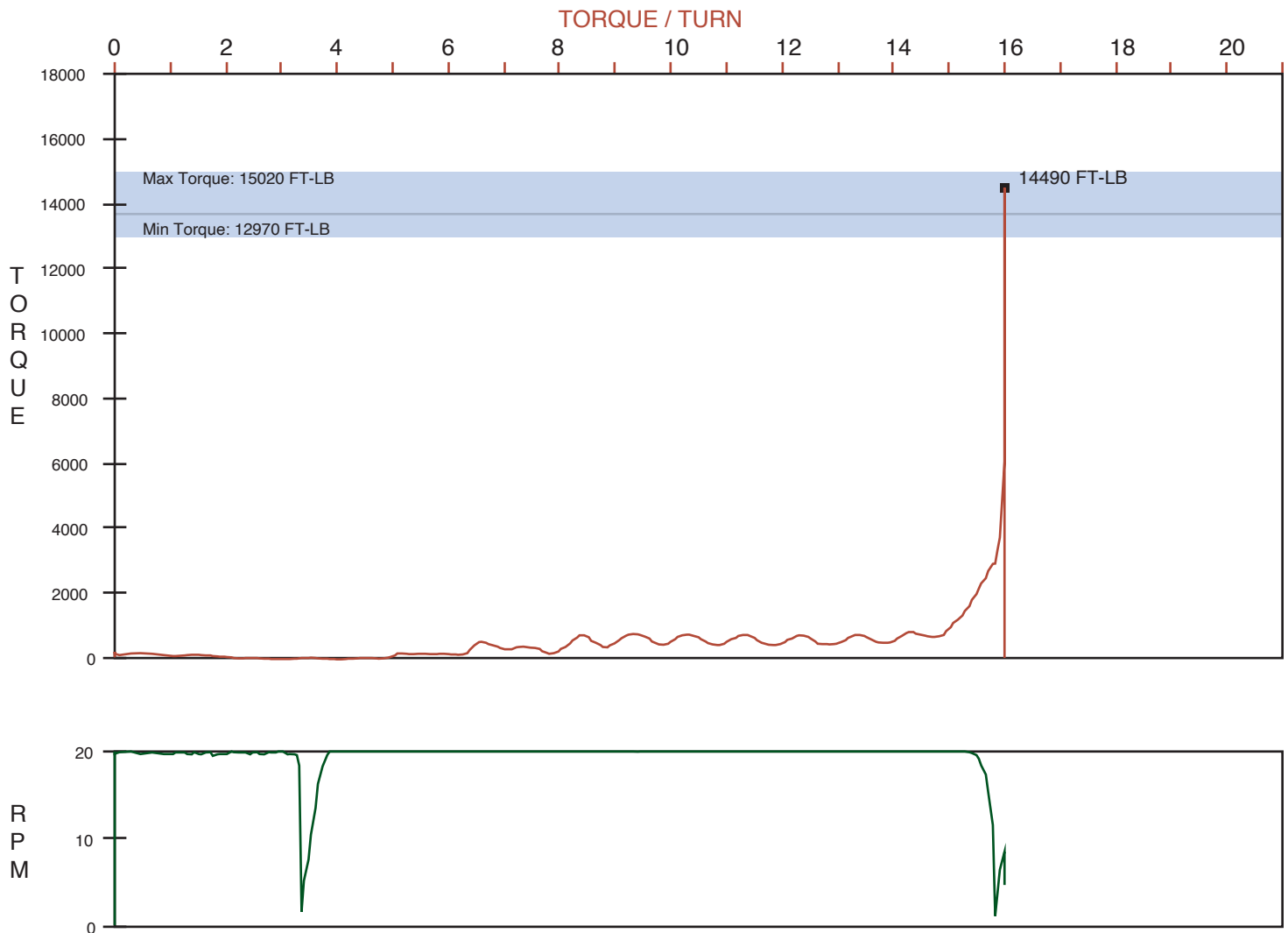


**Joint #: 226****Count #: 226**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:46:56 AM	Heat/Lot#:	
Pipe Length:	37.841 ft		
Cumulative Length:	8467.243 ft		
Cumulative Weight:	194303.034 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14490 FT-LB
Final Turns:	15.984
Max RPM:	20.790
Delta Torque:	3230 FT-LB
Delta Turns:	0.007

Notes: joint 226

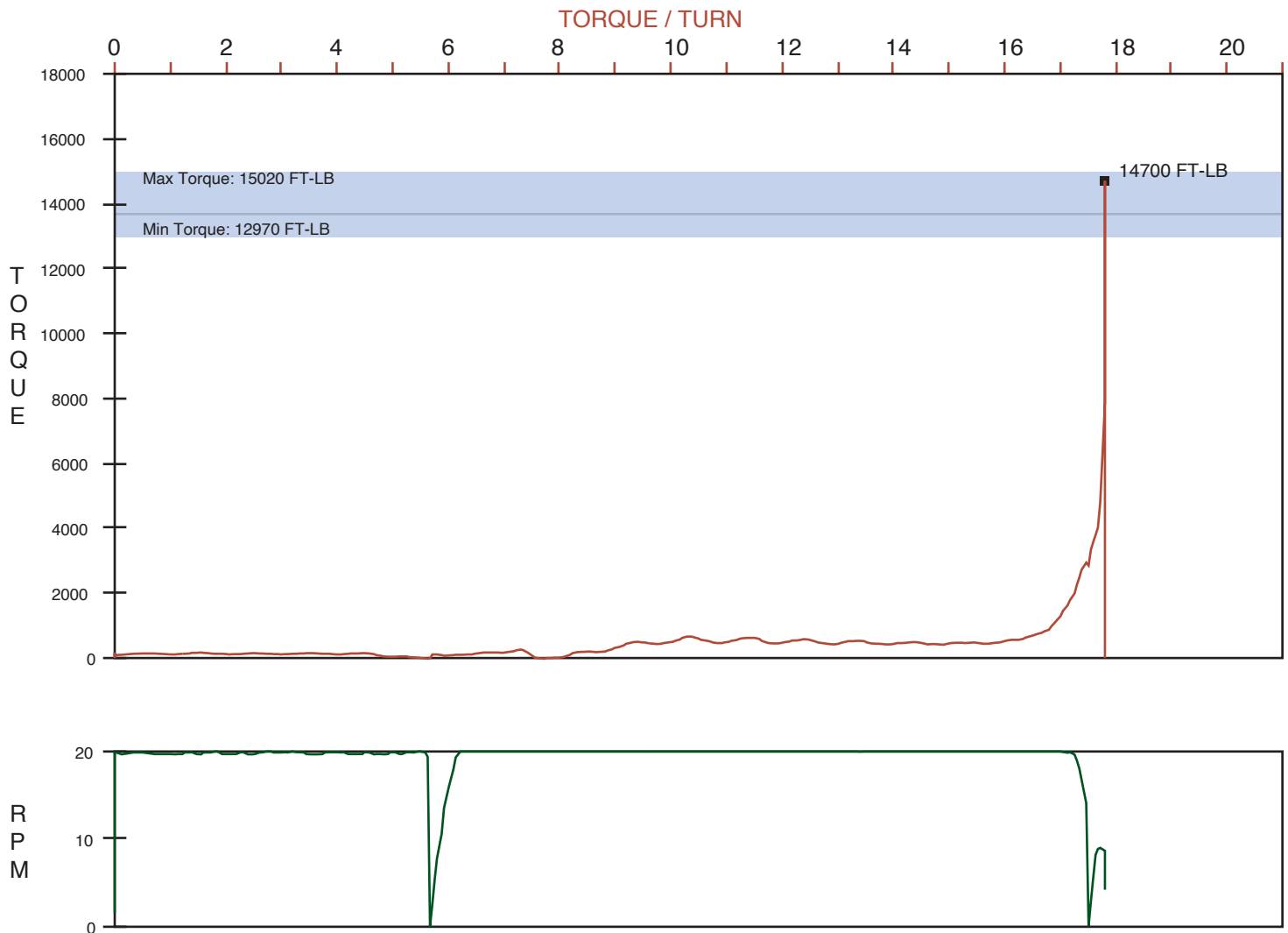


**Joint #: 227****Count #: 227**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:50:09 AM	Heat/Lot#:	
Pipe Length:	35.276 ft		
Cumulative Length:	8502.519 ft		
Cumulative Weight:	195114.382 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14700 FT-LB
Final Turns:	17.794
Max RPM:	21.780
Delta Torque:	7820 FT-LB
Delta Turns:	0.058

Notes: joint 227



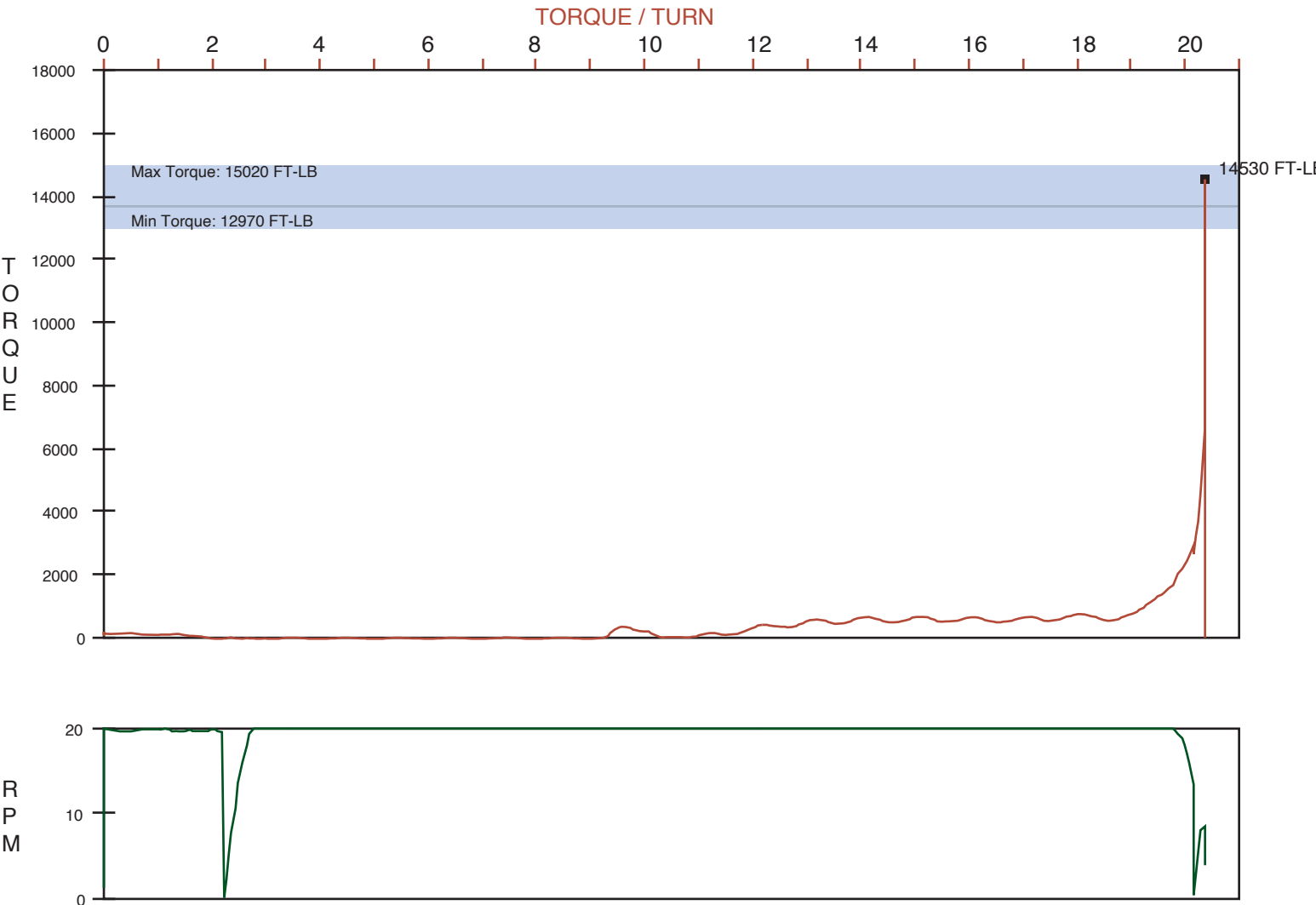
Joint #: 228

Count #: 228

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:53:53 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	8540.380 ft		
Cumulative Weight:	195985.185 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14530 FT-LB
Final Turns:	20.372
Max RPM:	20.790
Delta Torque:	2770 FT-LB
Delta Turns:	0.005

Notes: joint 228



**Joint #: 229****Count #: 229**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 10:57:18 AM	Heat/Lot#:	
Pipe Length:	37.434 ft		
Cumulative Length:	8577.814 ft		
Cumulative Weight:	196846.167 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14500 FT-LB

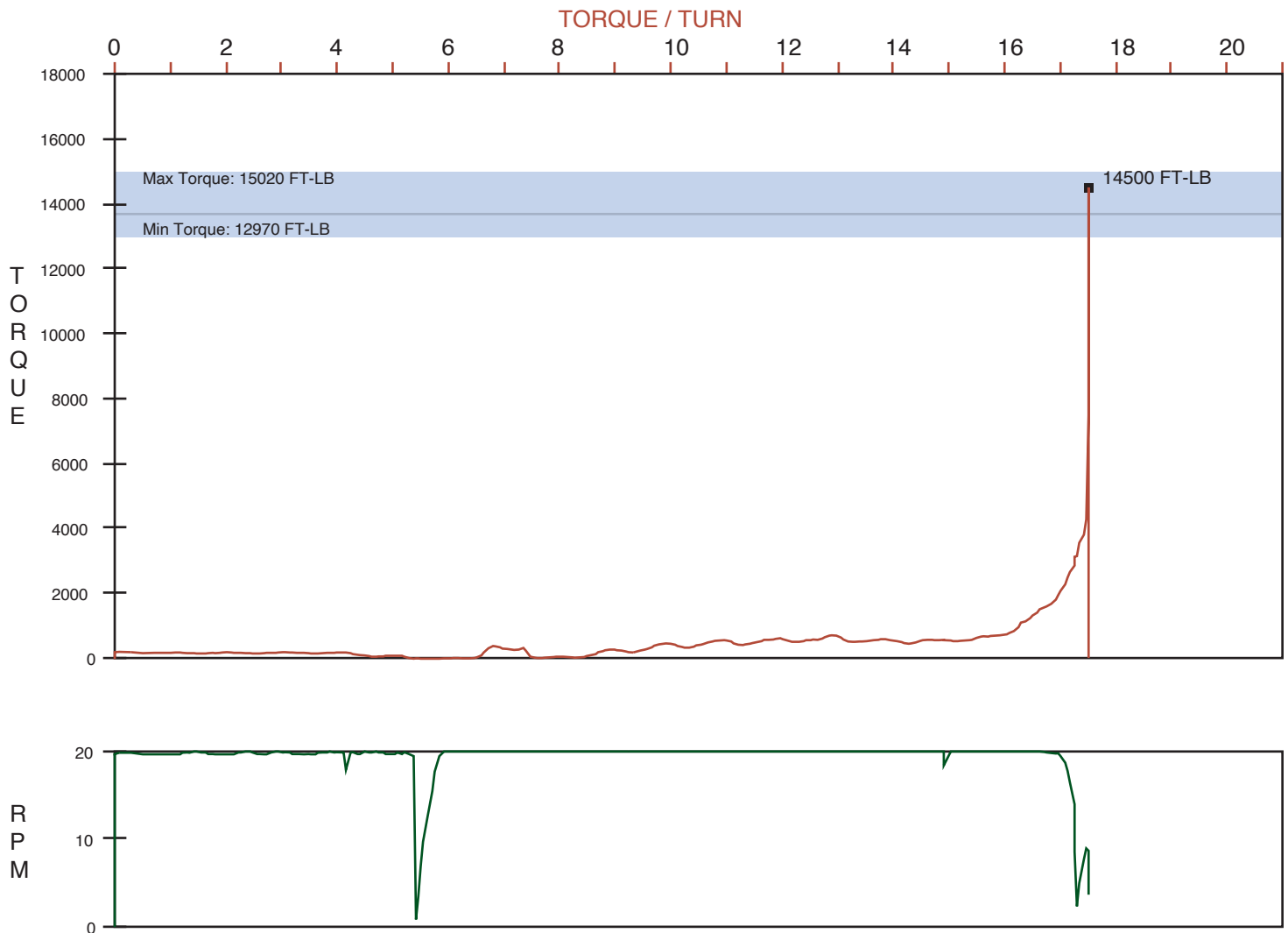
Final Turns: 17.527

Max RPM: 22.290

Delta Torque: 3850 FT-LB

Delta Turns: 0.012

Notes: joint 229



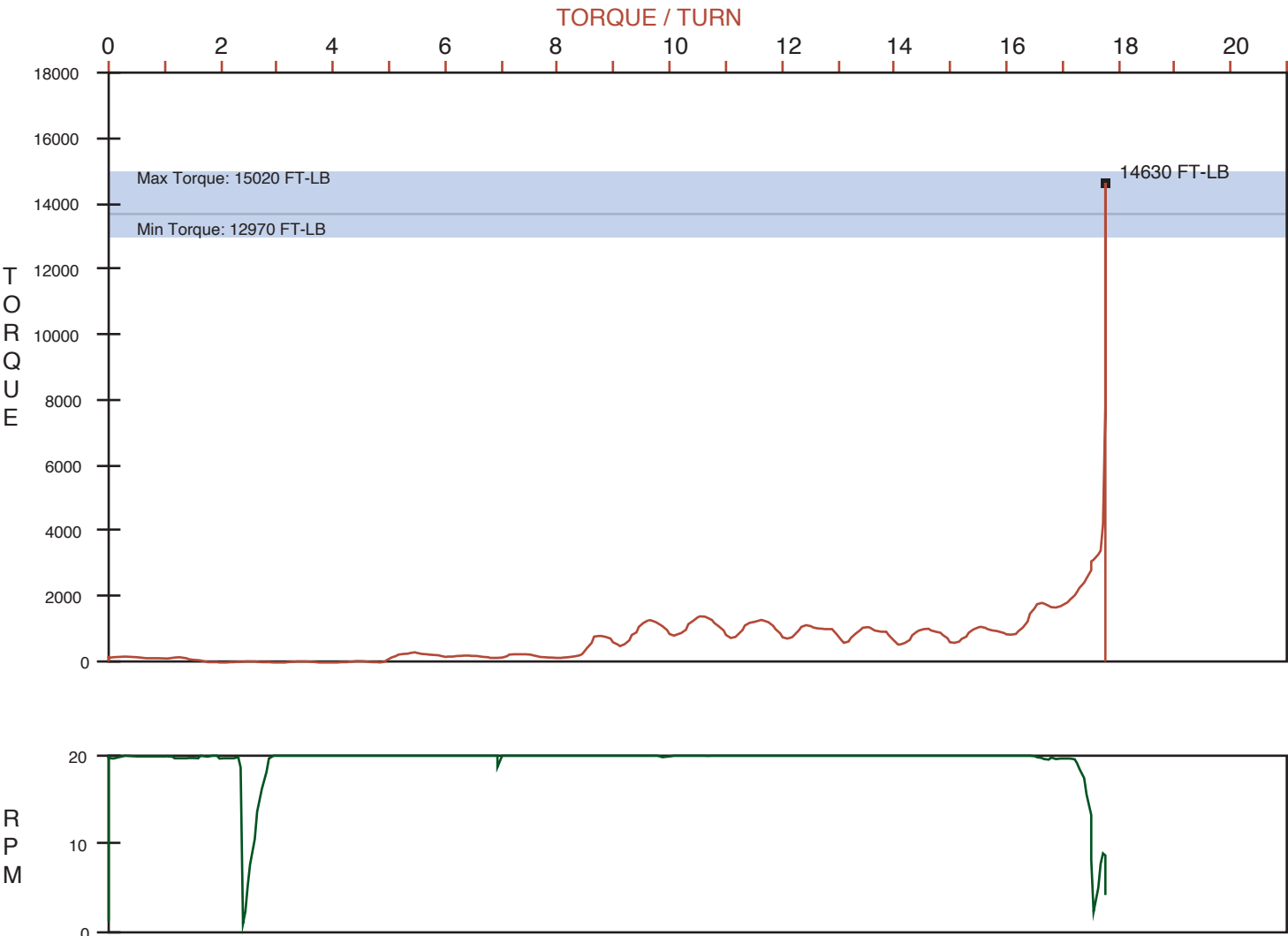
Joint #: 230

Count #: 230

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:00:39 AM	Heat/Lot#:	
Pipe Length:	37.867 ft		
Cumulative Length:	8615.681 ft		
Cumulative Weight:	197717.108 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14630 FT-LB
Final Turns:	17.78
Max RPM:	22.350
Delta Torque:	4650 FT-LB
Delta Turns:	0.020

Notes: joint 230



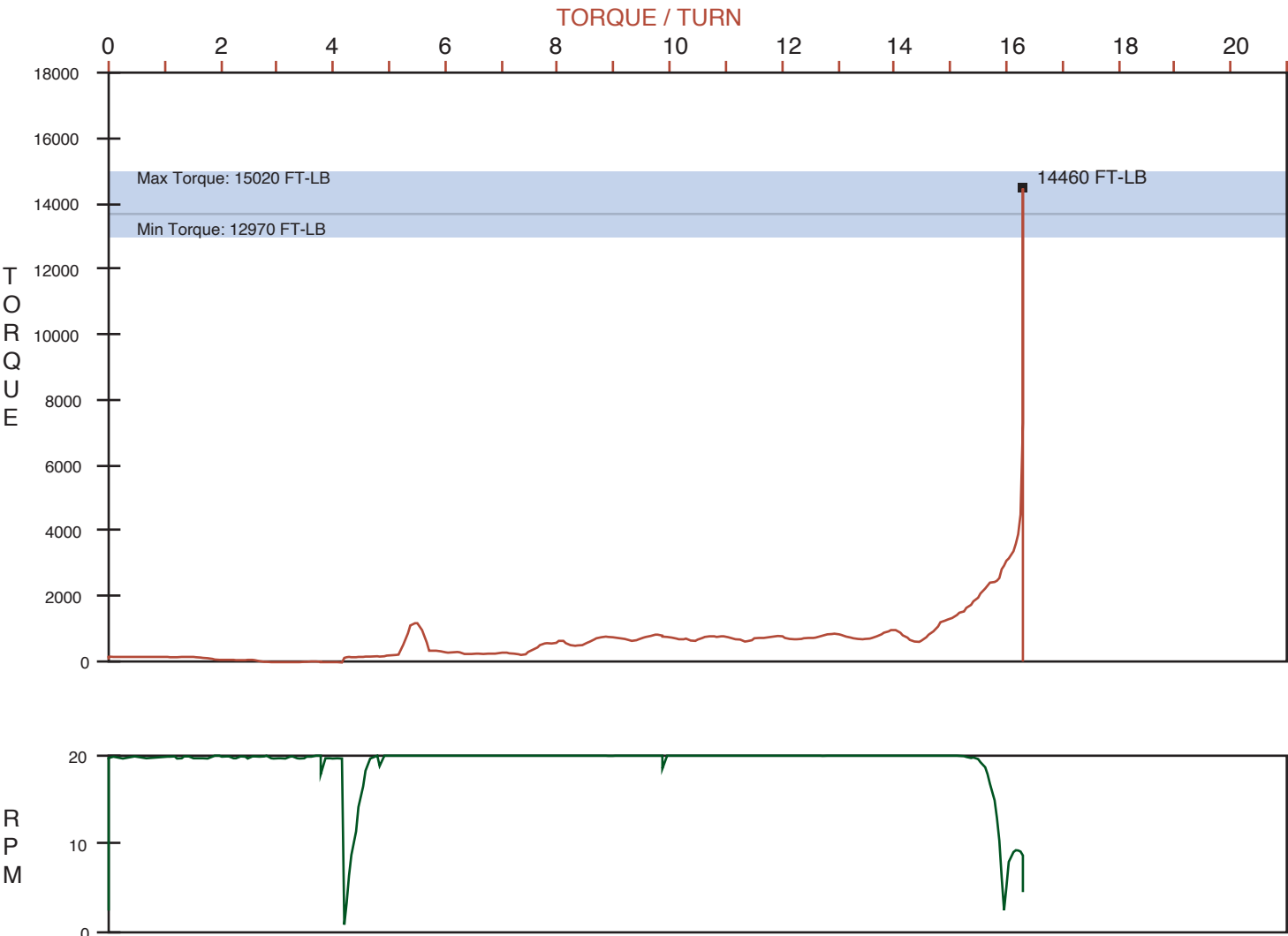
Joint #: 231

Count #: 231

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:04:26 AM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	8653.525 ft		
Cumulative Weight:	198587.520 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14460 FT-LB
Final Turns:	16.317
Max RPM:	22.350
Delta Torque:	4000 FT-LB
Delta Turns:	0.012

Notes: joint 231

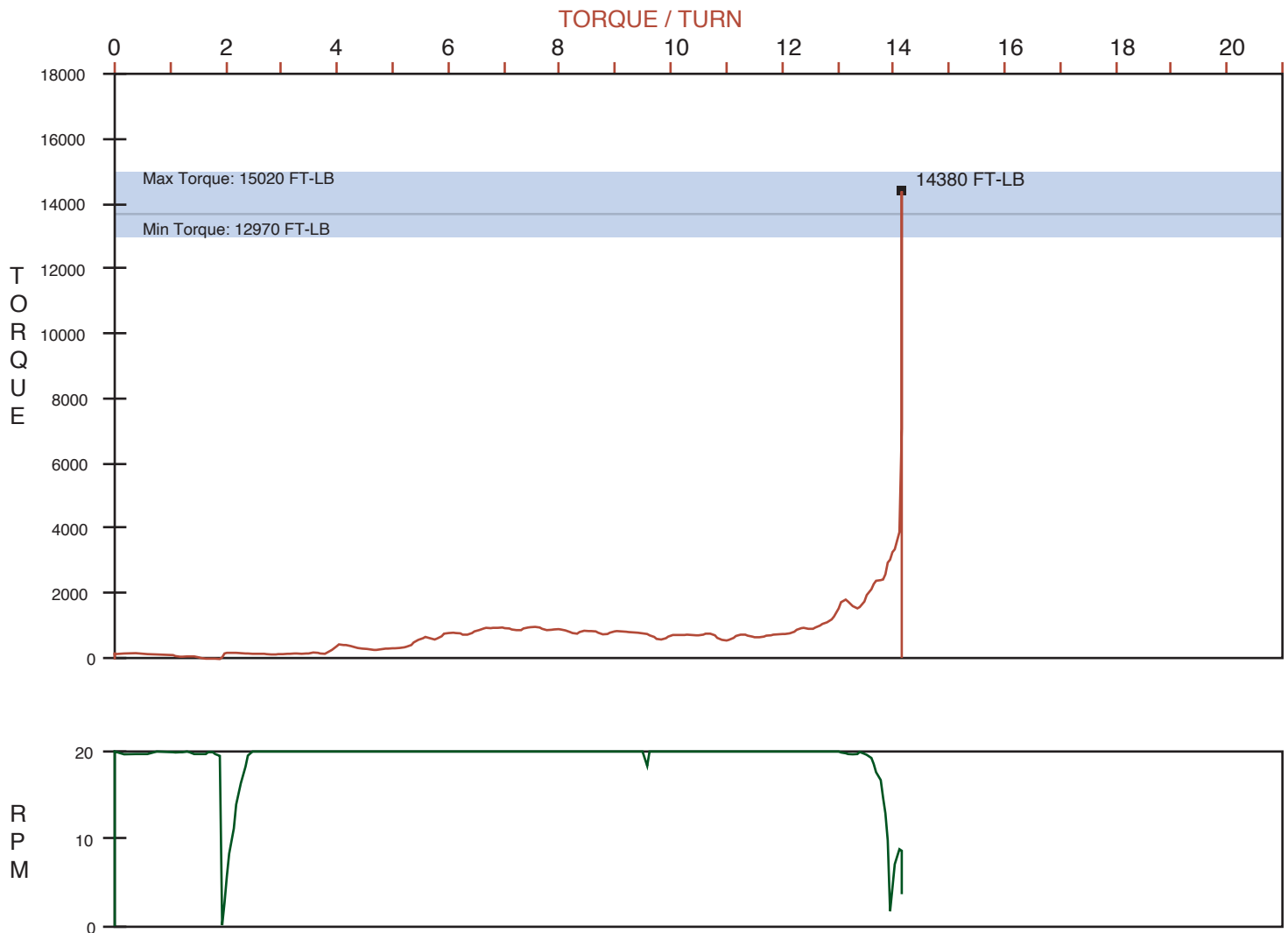


**Joint #: 232****Count #: 232**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:07:32 AM	Heat/Lot#:	
Pipe Length:	34.731 ft		
Cumulative Length:	8688.256 ft		
Cumulative Weight:	199386.333 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14380 FT-LB
Final Turns:	14.162
Max RPM:	22.290
Delta Torque:	4050 FT-LB
Delta Turns:	0.012

Notes: joint 232



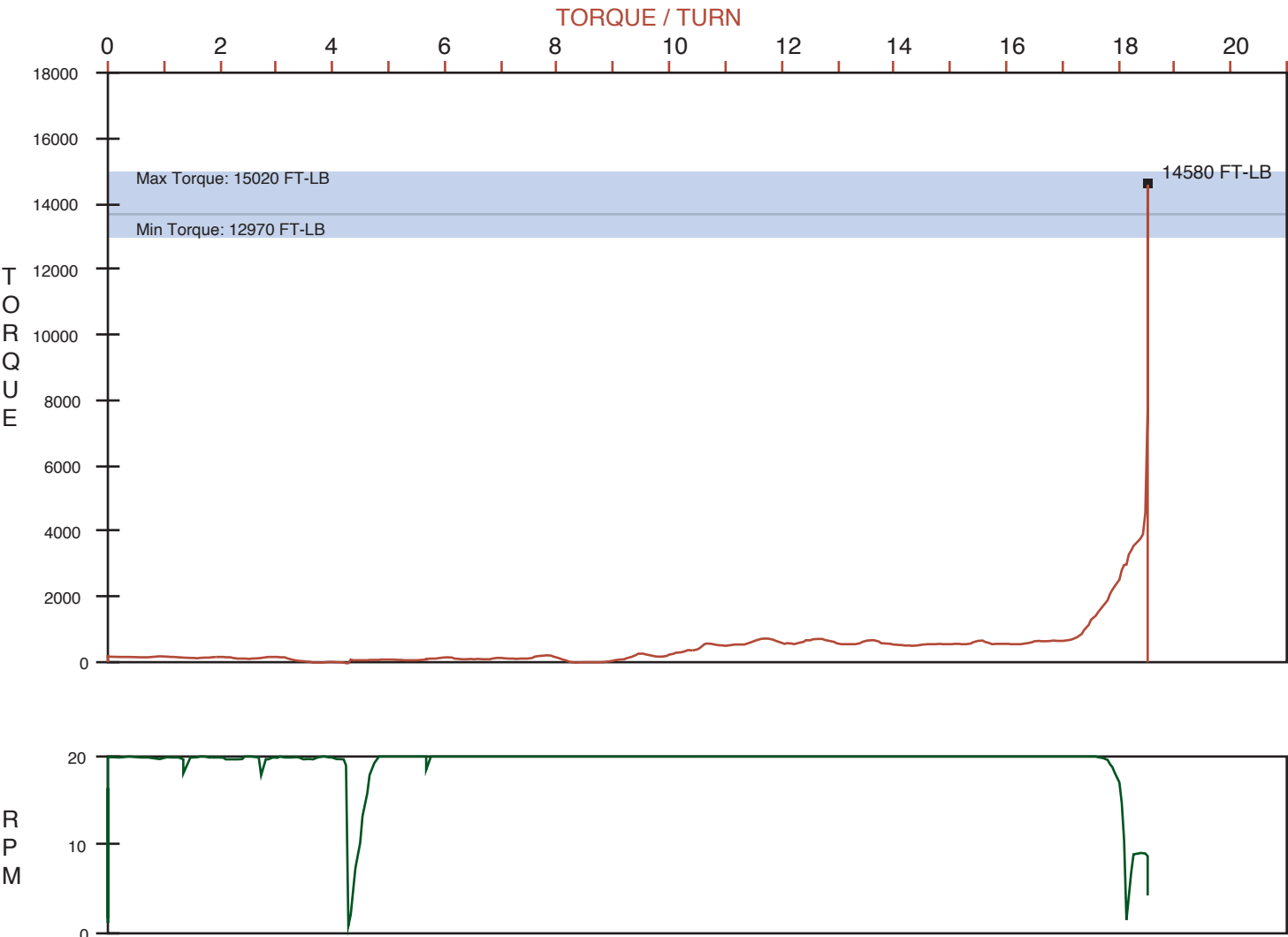
Joint #: 233

Count #: 233

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:11:31 AM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	8726.133 ft		
Cumulative Weight:	200257.504 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14580 FT-LB
Final Turns:	18.540
Max RPM:	22.380
Delta Torque:	3110 FT-LB
Delta Turns:	0.010

Notes: joint 233





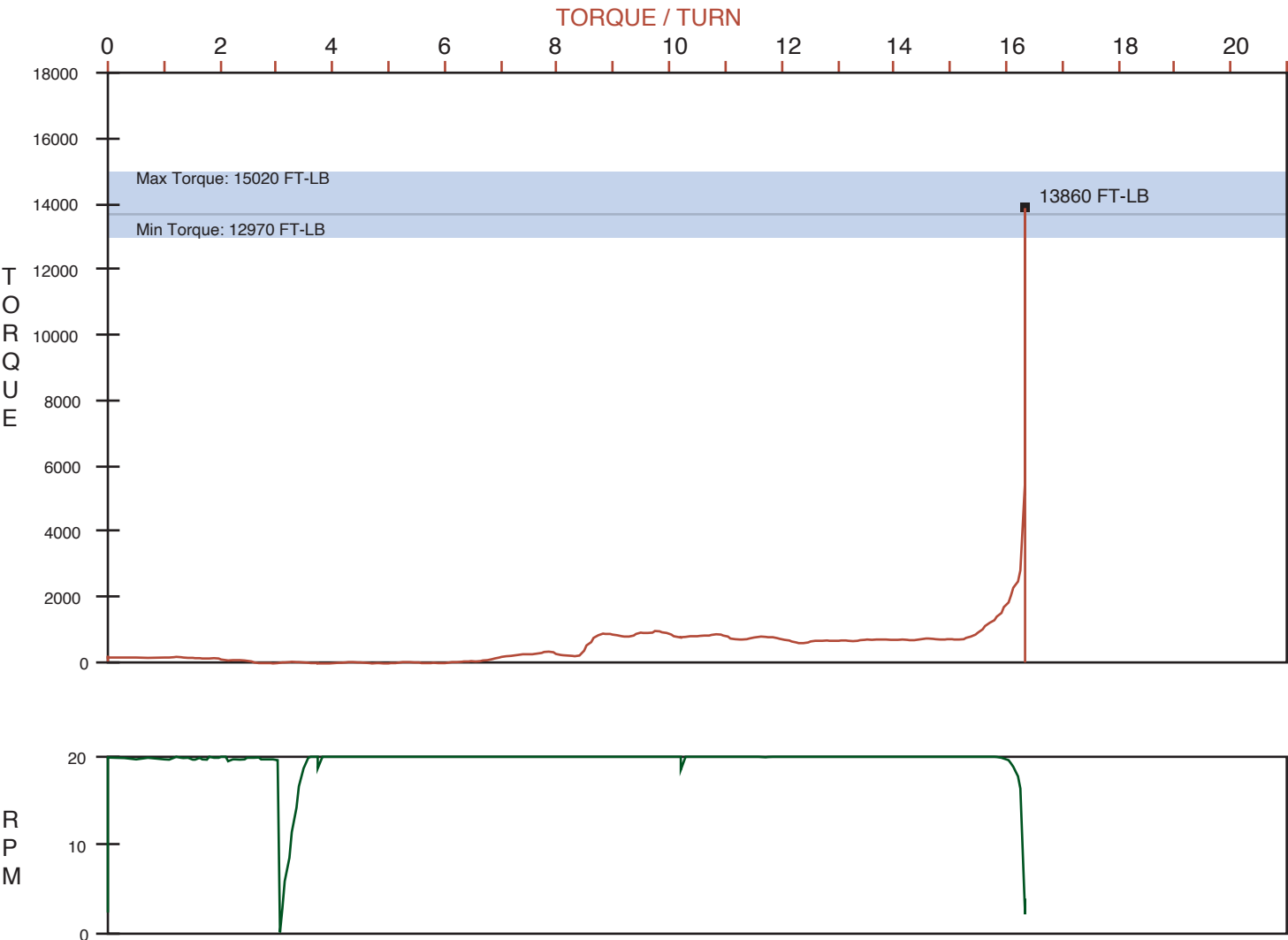
Joint #: 234

Count #: 234

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:14:51 AM	Heat/Lot#:	
Pipe Length:	37.867 ft		
Cumulative Length:	8764.000 ft		
Cumulative Weight:	201128.445 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13860 FT-LB
Final Turns:	16.324
Max RPM:	22.200
Delta Torque:	3560 FT-LB
Delta Turns:	0.008

Notes: joint 234

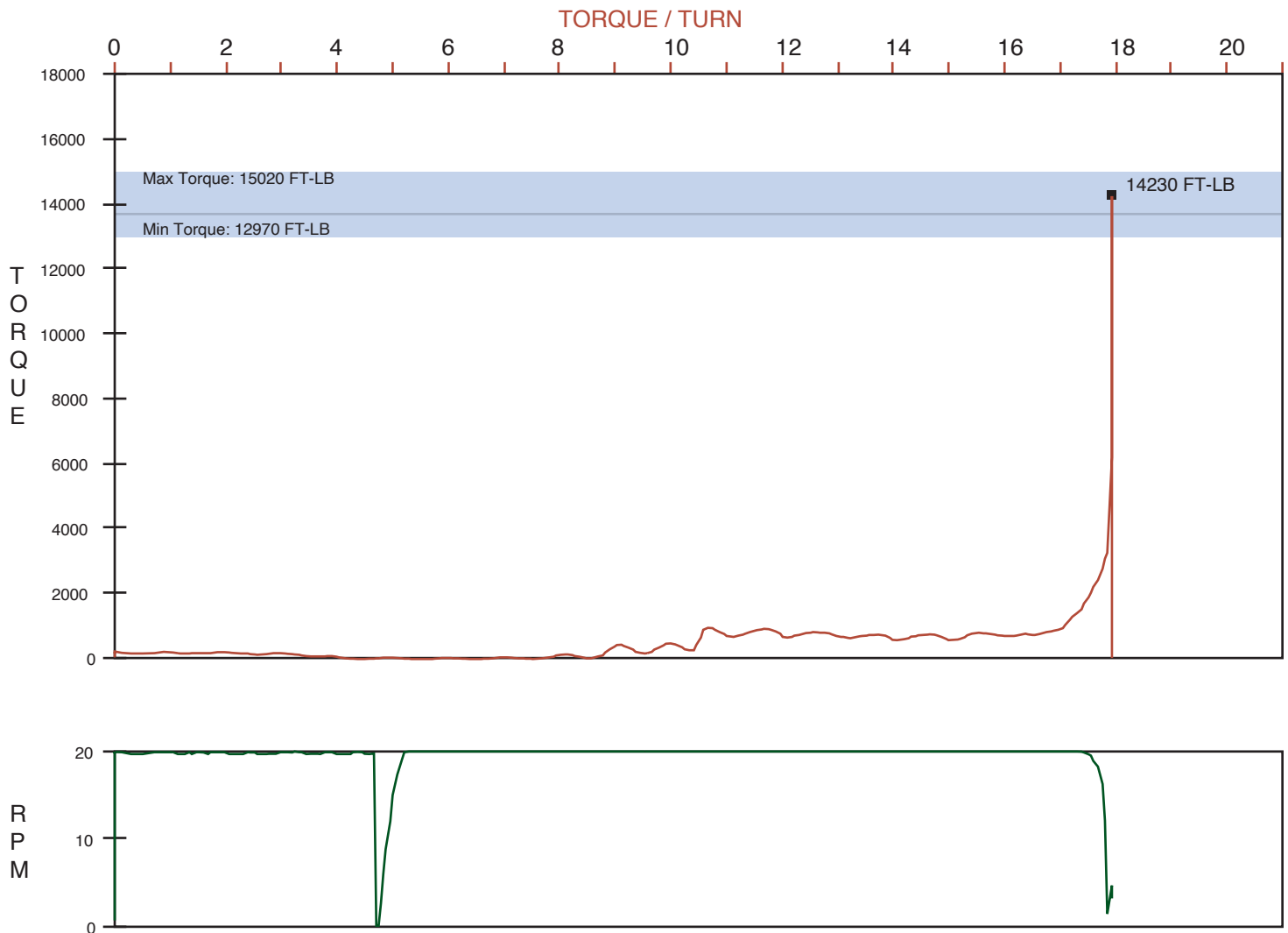


**Joint #: 235****Count #: 235**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:18:41 AM	Heat/Lot#:	
Pipe Length:	37.874 ft		
Cumulative Length:	8801.874 ft		
Cumulative Weight:	201999.547 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14230 FT-LB
Final Turns:	17.916
Max RPM:	20.790
Delta Torque:	8050 FT-LB
Delta Turns:	0.054

Notes: joint 235

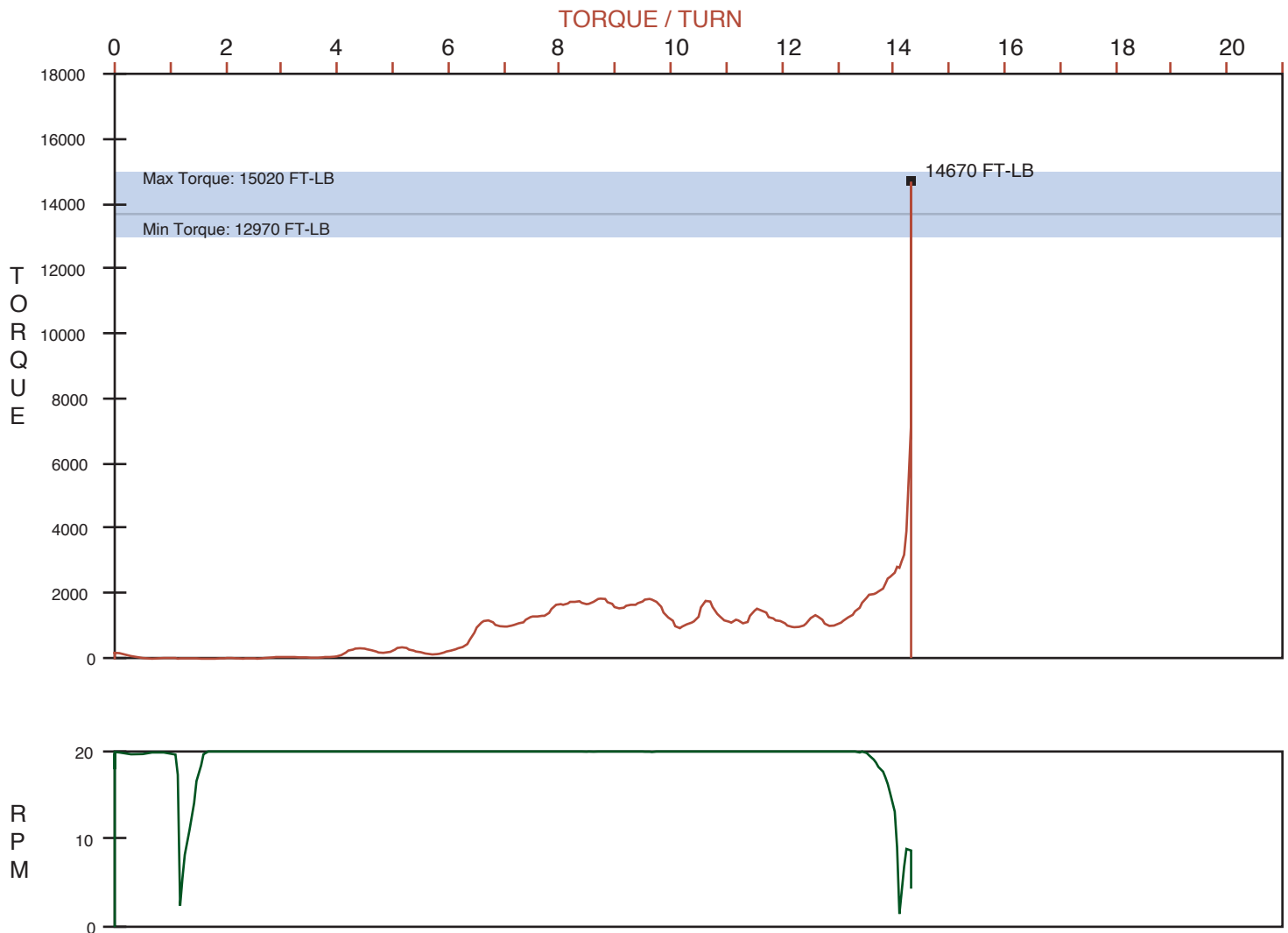


**Joint #: 236****Count #: 236**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:21:56 AM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	8839.751 ft		
Cumulative Weight:	202870.718 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: **14670 FT-LB**Final Turns: **14.312**Max RPM: **21.660**Delta Torque: **8490 FT-LB**Delta Turns: **0.059**

Notes: joint 236



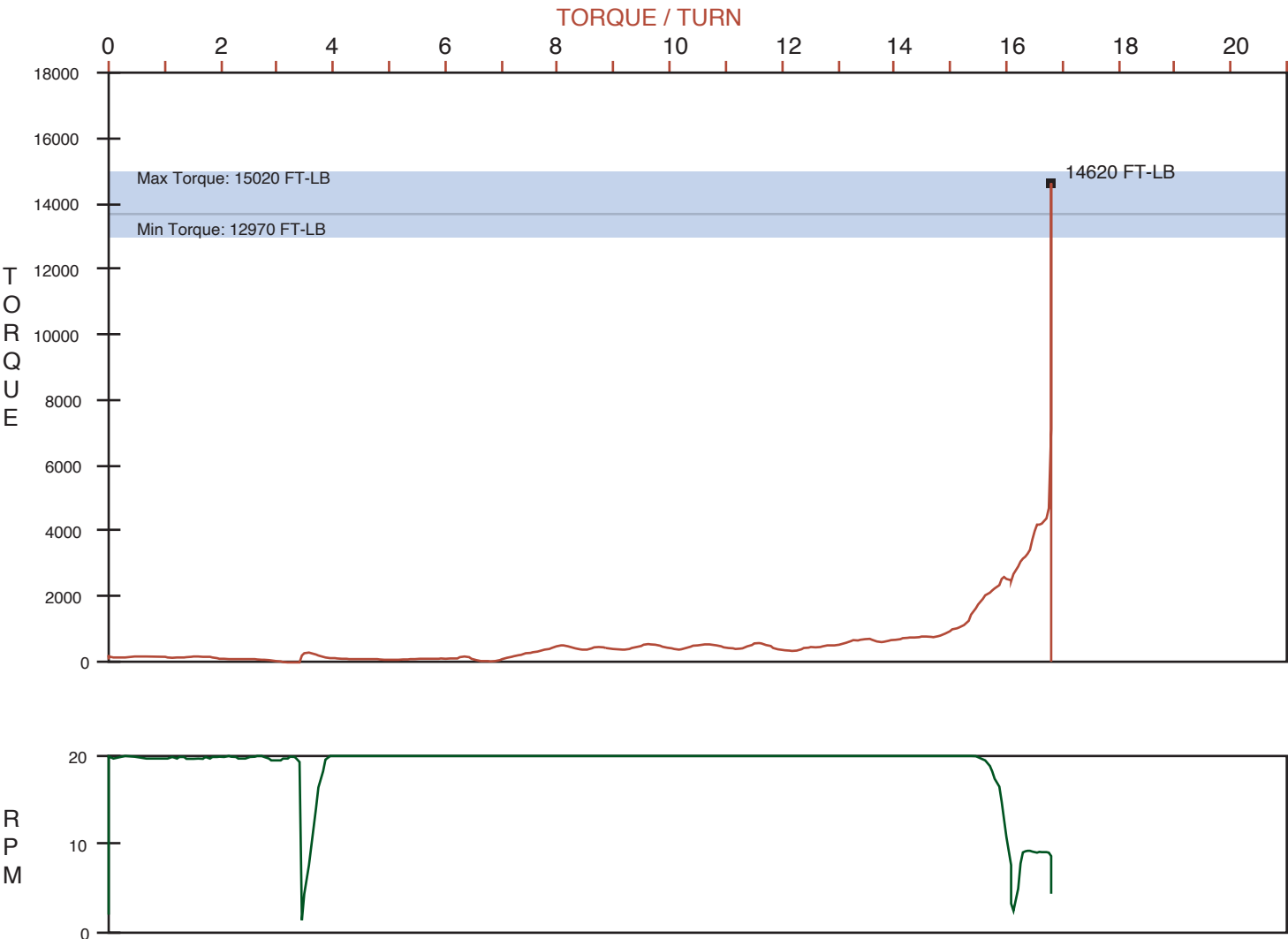
Joint #: 237

Count #: 237

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:25:08 AM	Heat/Lot#:	
Pipe Length:	37.835 ft		
Cumulative Length:	8877.586 ft		
Cumulative Weight:	203740.923 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14620 FT-LB
Final Turns:	16.812
Max RPM:	21.930
Delta Torque:	4500 FT-LB
Delta Turns:	0.011

Notes: joint 237

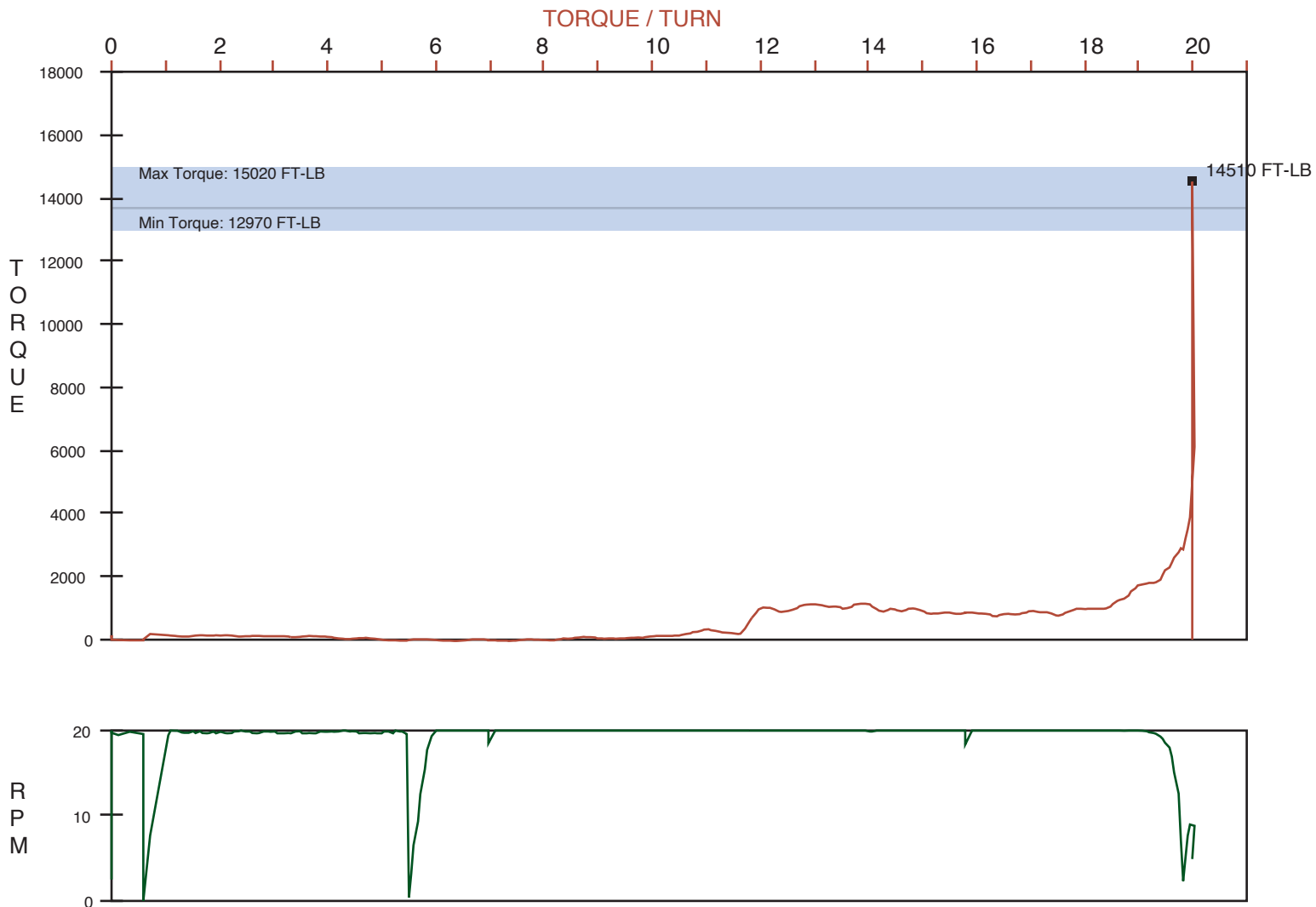


**Joint #: 238****Count #: 238**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:28:30 AM	Heat/Lot#:	
Pipe Length:	37.838 ft		
Cumulative Length:	8915.424 ft		
Cumulative Weight:	204611.197 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14510 FT-LB
Final Turns:	20.012
Max RPM:	22.440
Delta Torque:	3070 FT-LB
Delta Turns:	0.006

Notes: joint 238



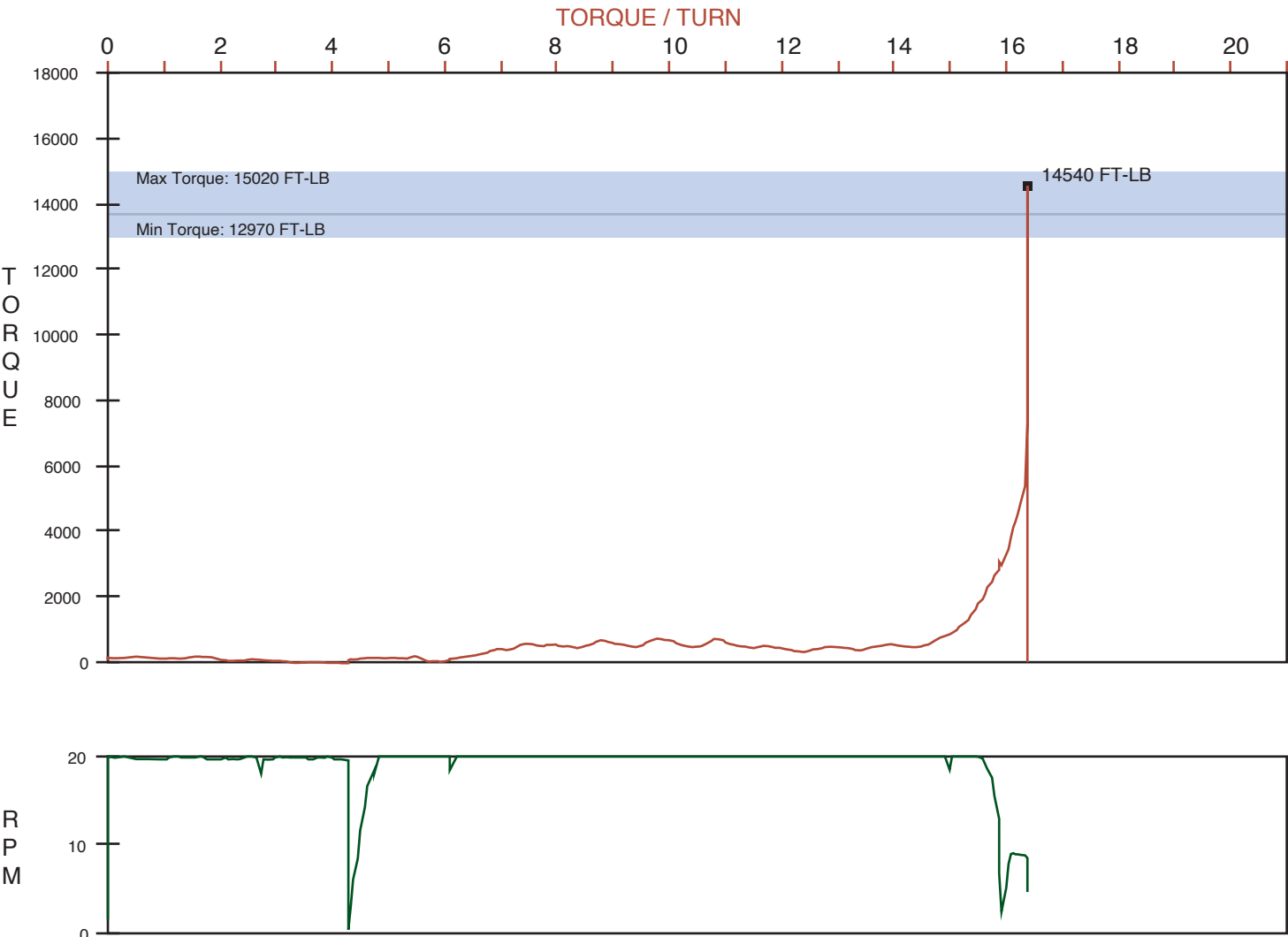
Joint #: 239

Count #: 239

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:31:52 AM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	8953.282 ft		
Cumulative Weight:	205481.931 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14540 FT-LB
Final Turns:	16.386
Max RPM:	22.350
Delta Torque:	4590 FT-LB
Delta Turns:	0.014

Notes: joint 239



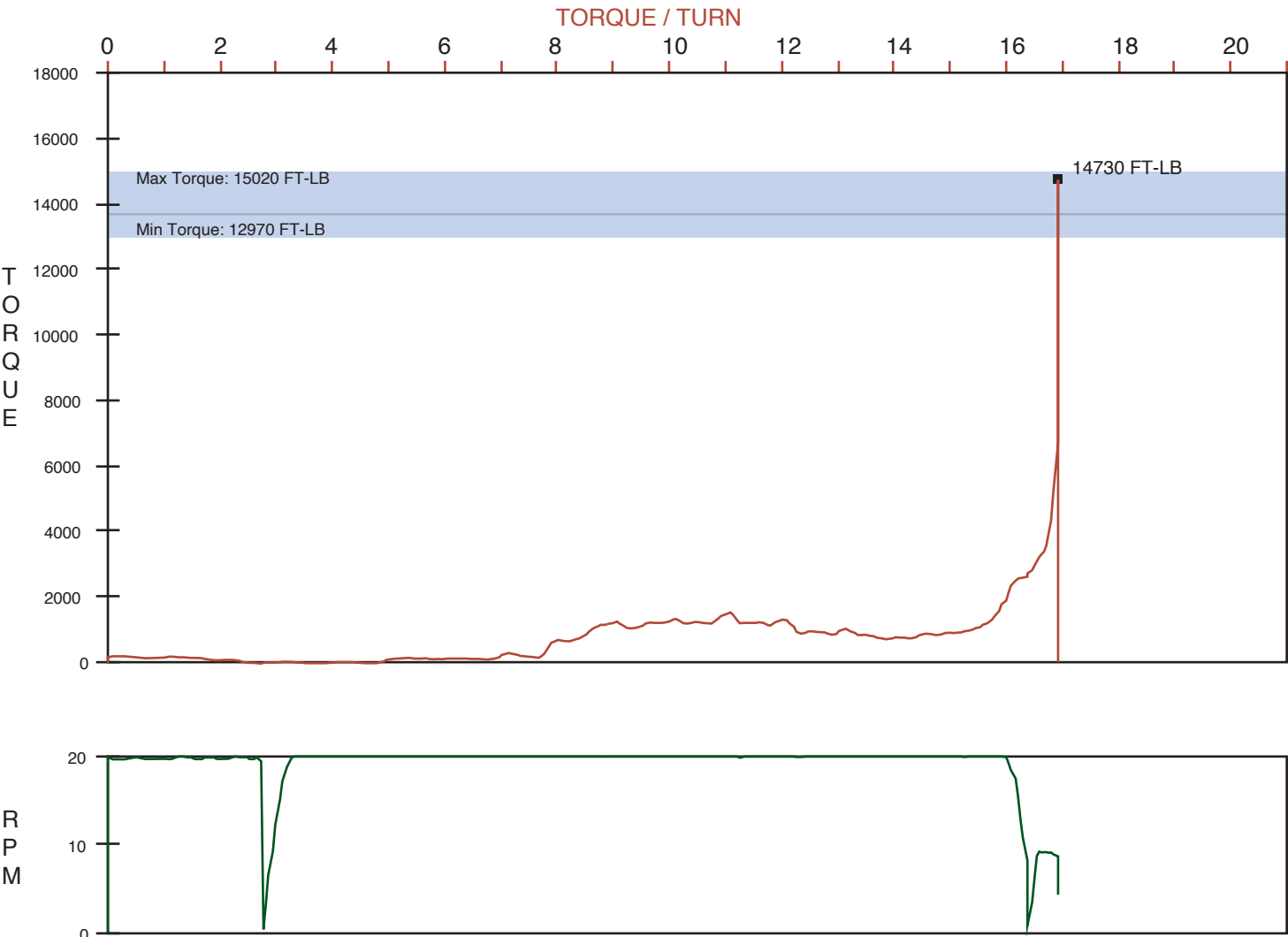
Joint #: 240

Count #: 240

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:36:25 AM	Heat/Lot#:	
Pipe Length:	37.618 ft		
Cumulative Length:	8990.900 ft		
Cumulative Weight:	206347.145 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14730 FT-LB
Final Turns:	16.91
Max RPM:	21.600
Delta Torque:	4090 FT-LB
Delta Turns:	0.009

Notes: joint 240



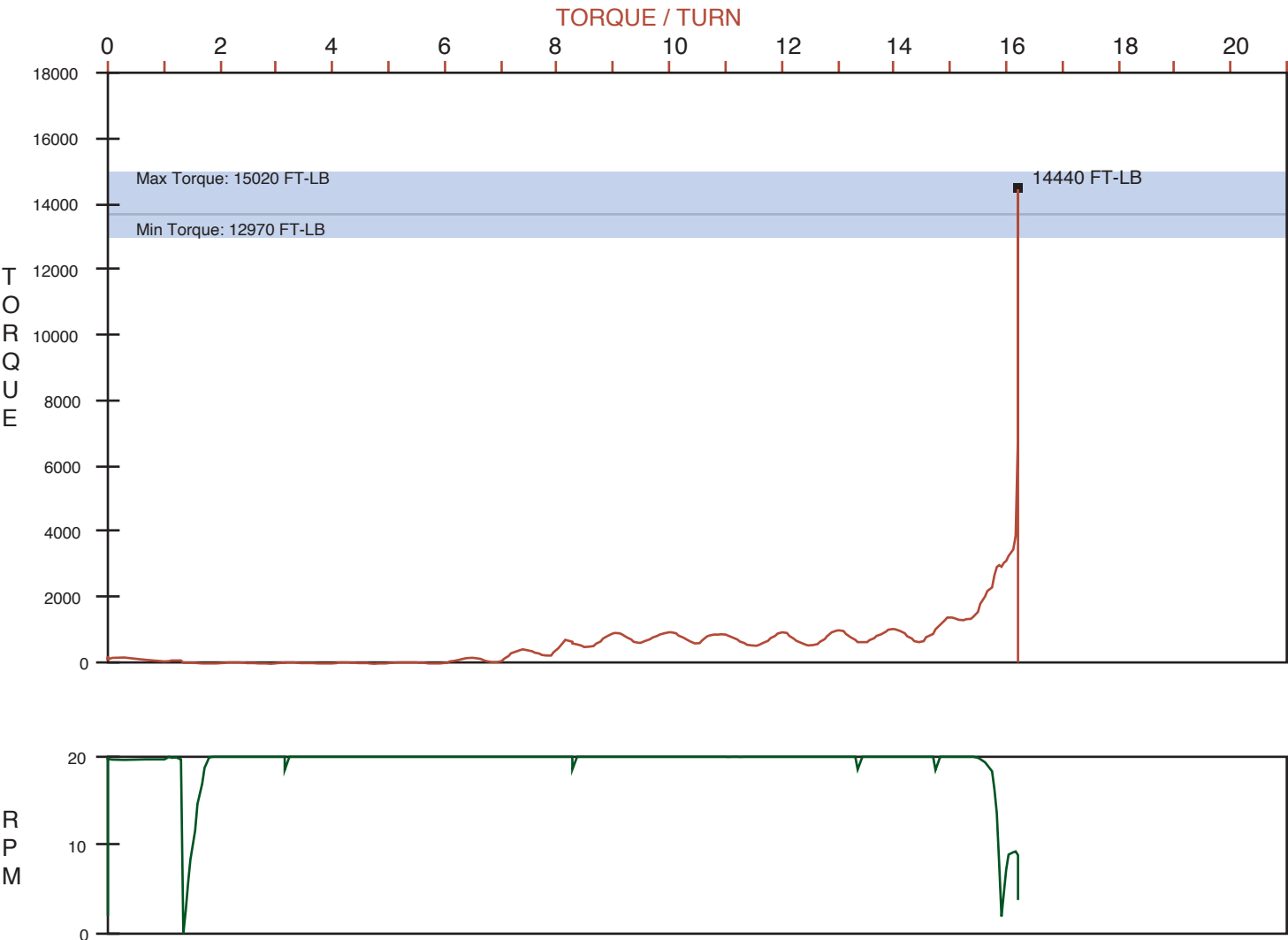
Joint #: 241

Count #: 241

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:39:54 AM	Heat/Lot#:	
Pipe Length:	37.854 ft		
Cumulative Length:	9028.754 ft		
Cumulative Weight:	207217.787 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14440 FT-LB
Final Turns:	16.231
Max RPM:	22.620
Delta Torque:	5540 FT-LB
Delta Turns:	0.025

Notes: joint 241





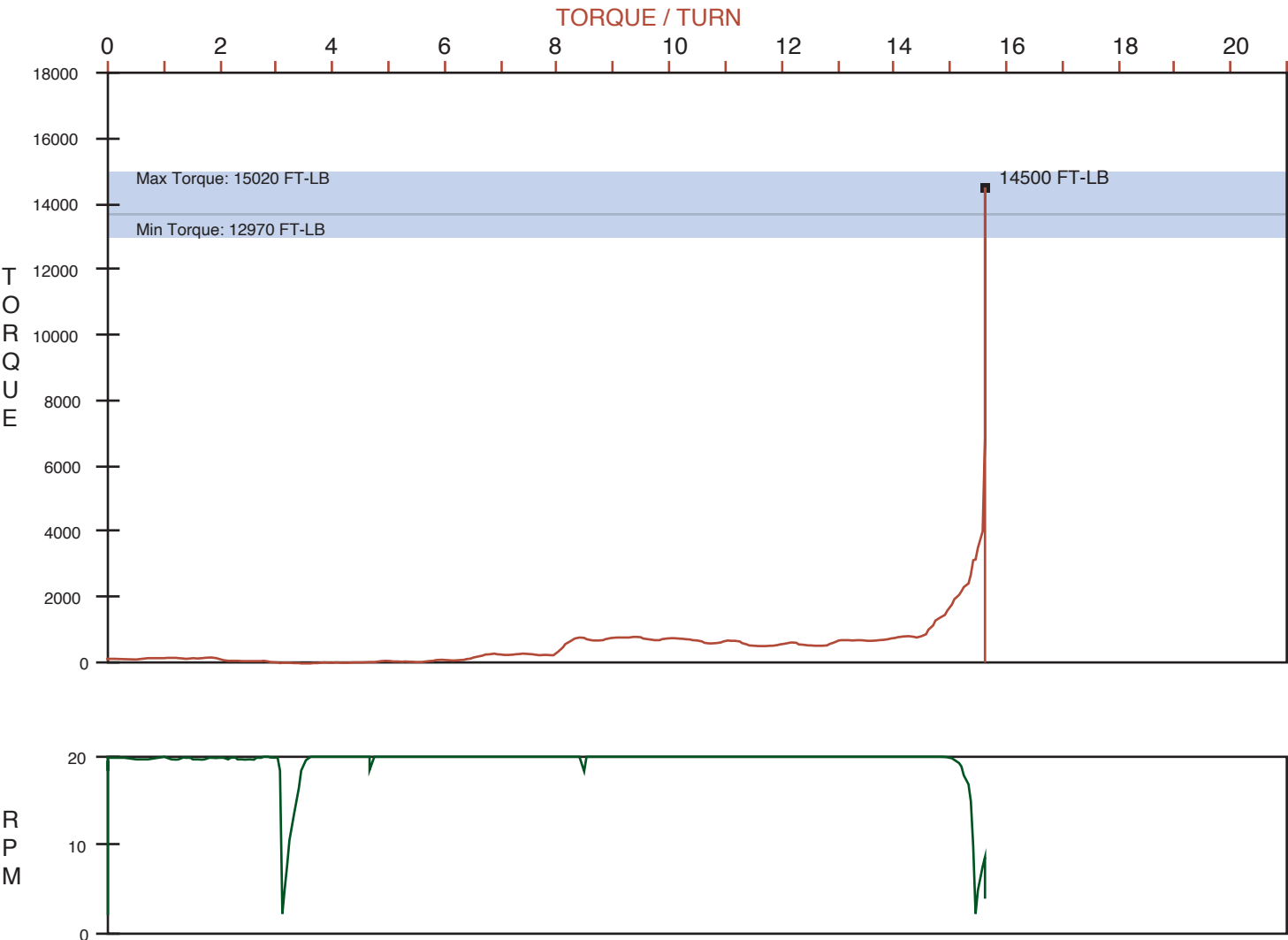
Joint #: 242

Count #: 242

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:43:17 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	9066.582 ft		
Cumulative Weight:	208087.831 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14500 FT-LB
Final Turns:	15.634
Max RPM:	22.410
Delta Torque:	6920 FT-LB
Delta Turns:	0.038

Notes: joint 242



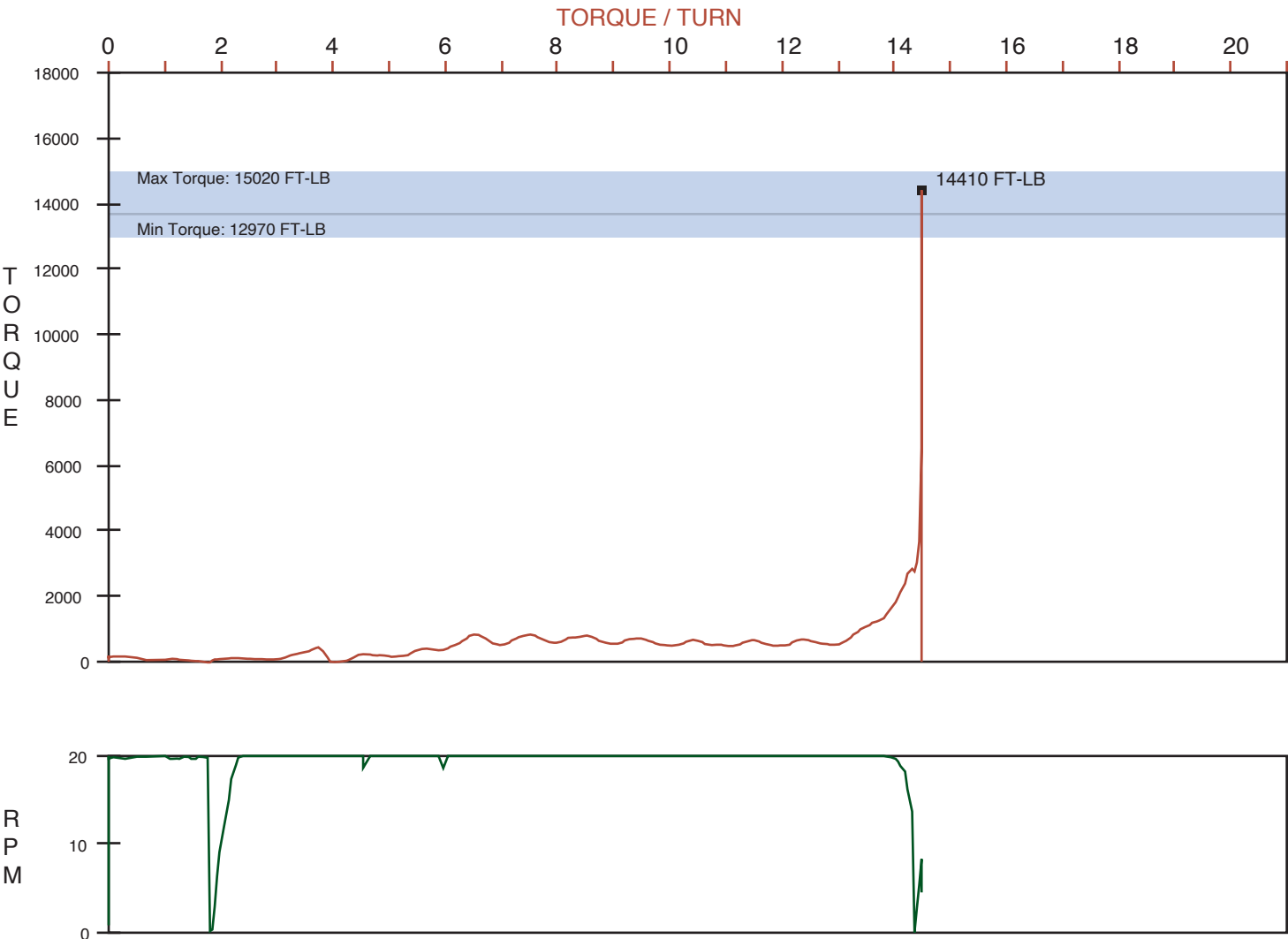
Joint #: 243

Count #: 243

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:46:19 AM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	9104.410 ft		
Cumulative Weight:	208957.875 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14410 FT-LB
Final Turns:	14.508
Max RPM:	22.320
Delta Torque:	4760 FT-LB
Delta Turns:	0.012

Notes: joint 243



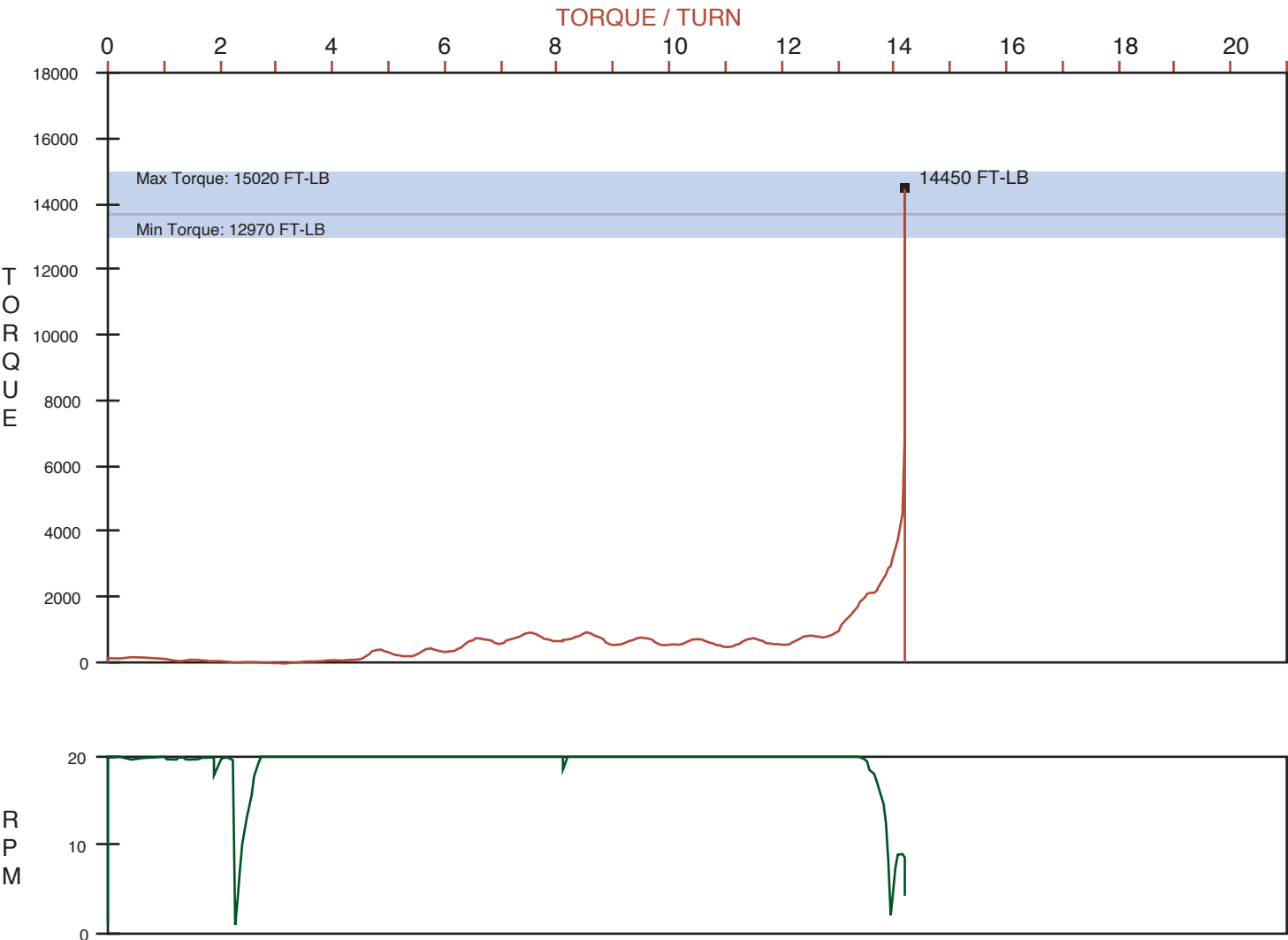
Joint #: 244

Count #: 244

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:49:24 AM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	9142.271 ft		
Cumulative Weight:	209828.678 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14450 FT-LB
Final Turns:	14.193
Max RPM:	22.410
Delta Torque:	8700 FT-LB
Delta Turns:	0.072

Notes: joint 244



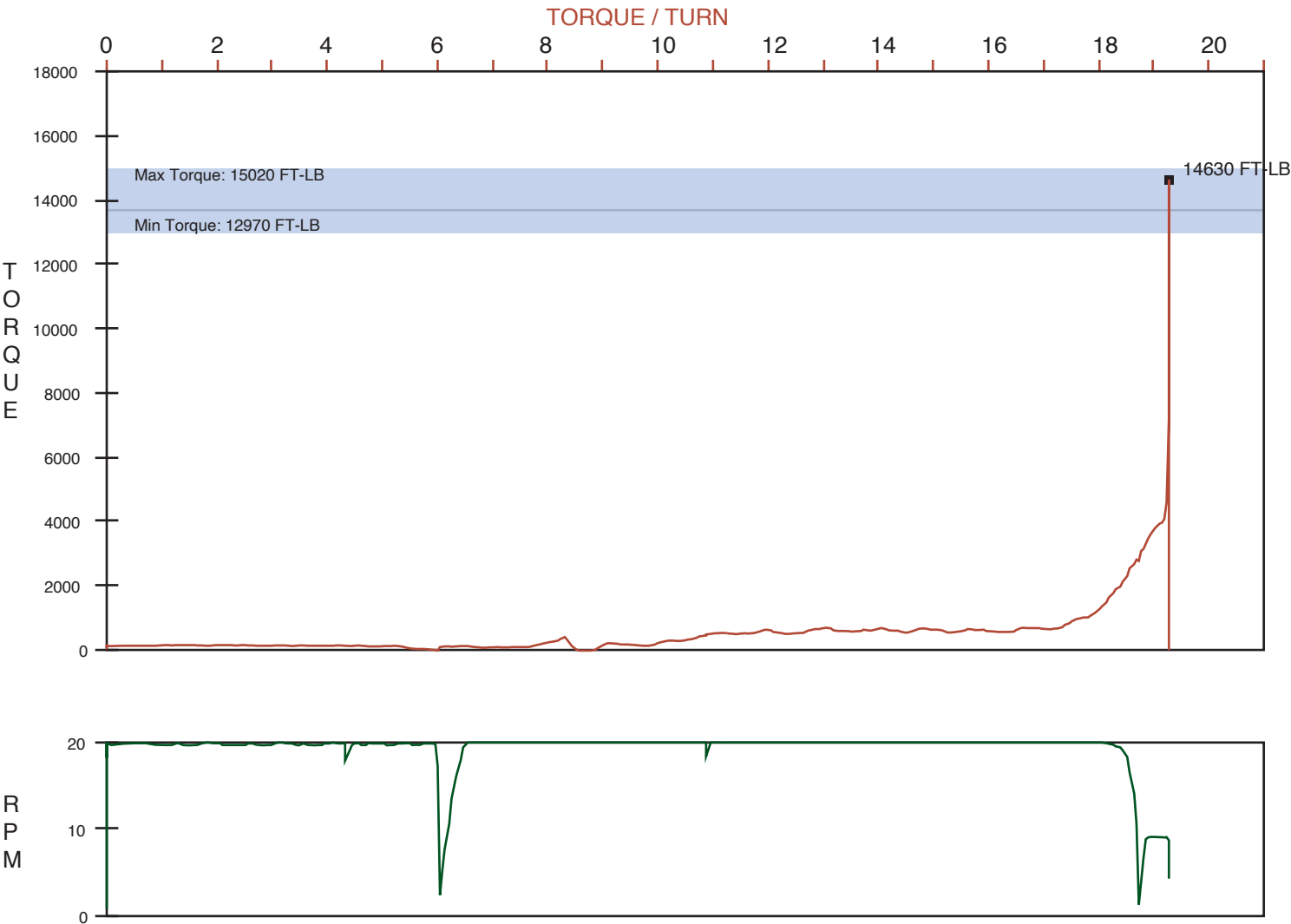
Joint #: 245

Count #: 245

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:52:52 AM	Heat/Lot#:	
Pipe Length:	37.854 ft		
Cumulative Length:	9180.125 ft		
Cumulative Weight:	210699.320 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14630 FT-LB
Final Turns:	19.294
Max RPM:	22.230
Delta Torque:	3160 FT-LB
Delta Turns:	0.010

Notes: joint 245

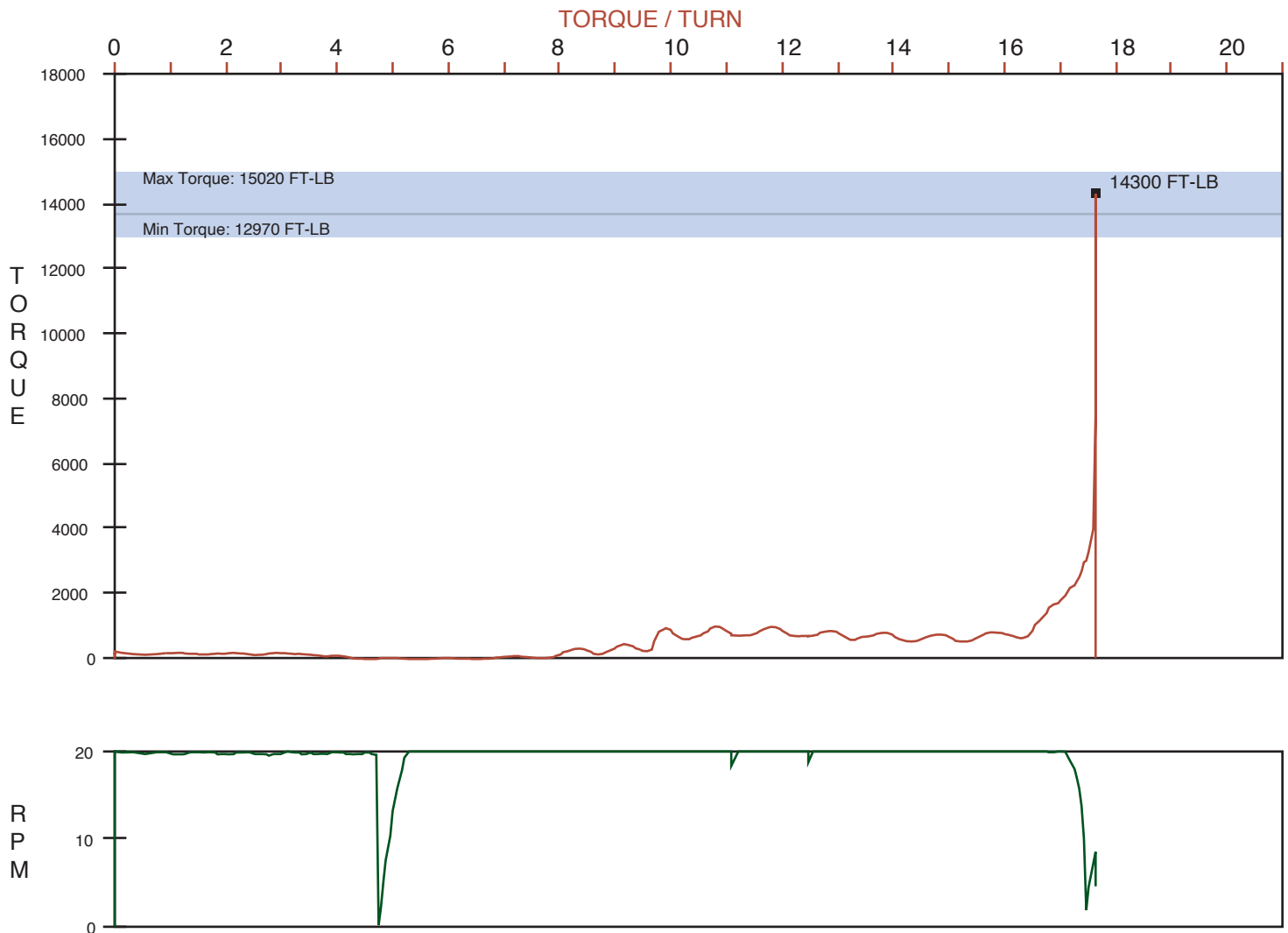


**Joint #: 246****Count #: 246**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 11:56:25 AM	Heat/Lot#:	
Pipe Length:	37.812 ft		
Cumulative Length:	9217.937 ft		
Cumulative Weight:	211568.996 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14300 FT-LB
Final Turns:	17.651
Max RPM:	22.440
Delta Torque:	3960 FT-LB
Delta Turns:	0.012

Notes: joint 246



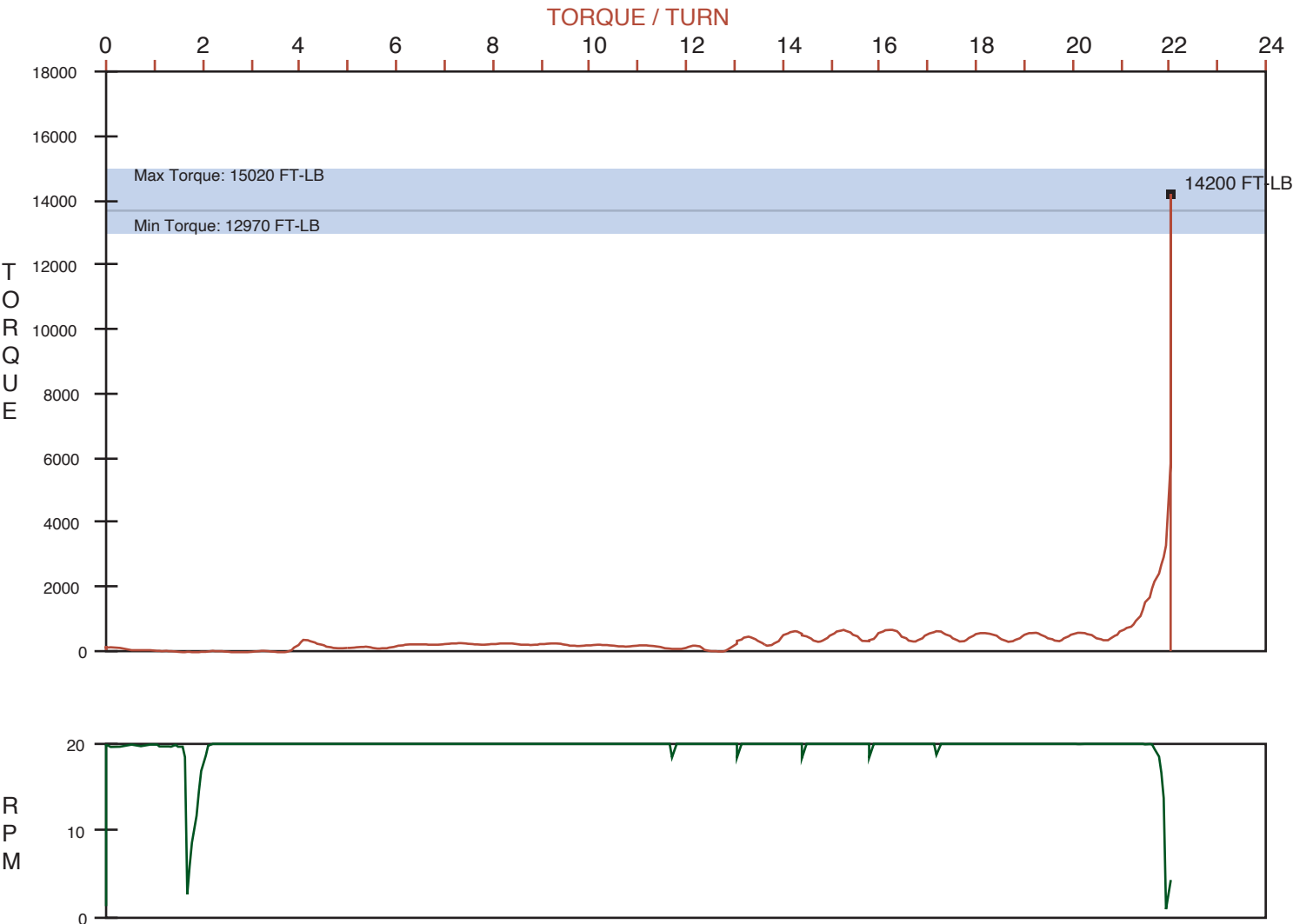
Joint #: 247

Count #: 247

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:00:01 PM	Heat/Lot#:	
Pipe Length:	37.405 ft		
Cumulative Length:	9255.342 ft		
Cumulative Weight:	212429.311 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14200 FT-LB
Final Turns:	22.018
Max RPM:	22.5
Delta Torque:	3920 FT-LB
Delta Turns:	0.011

Notes: joint 247



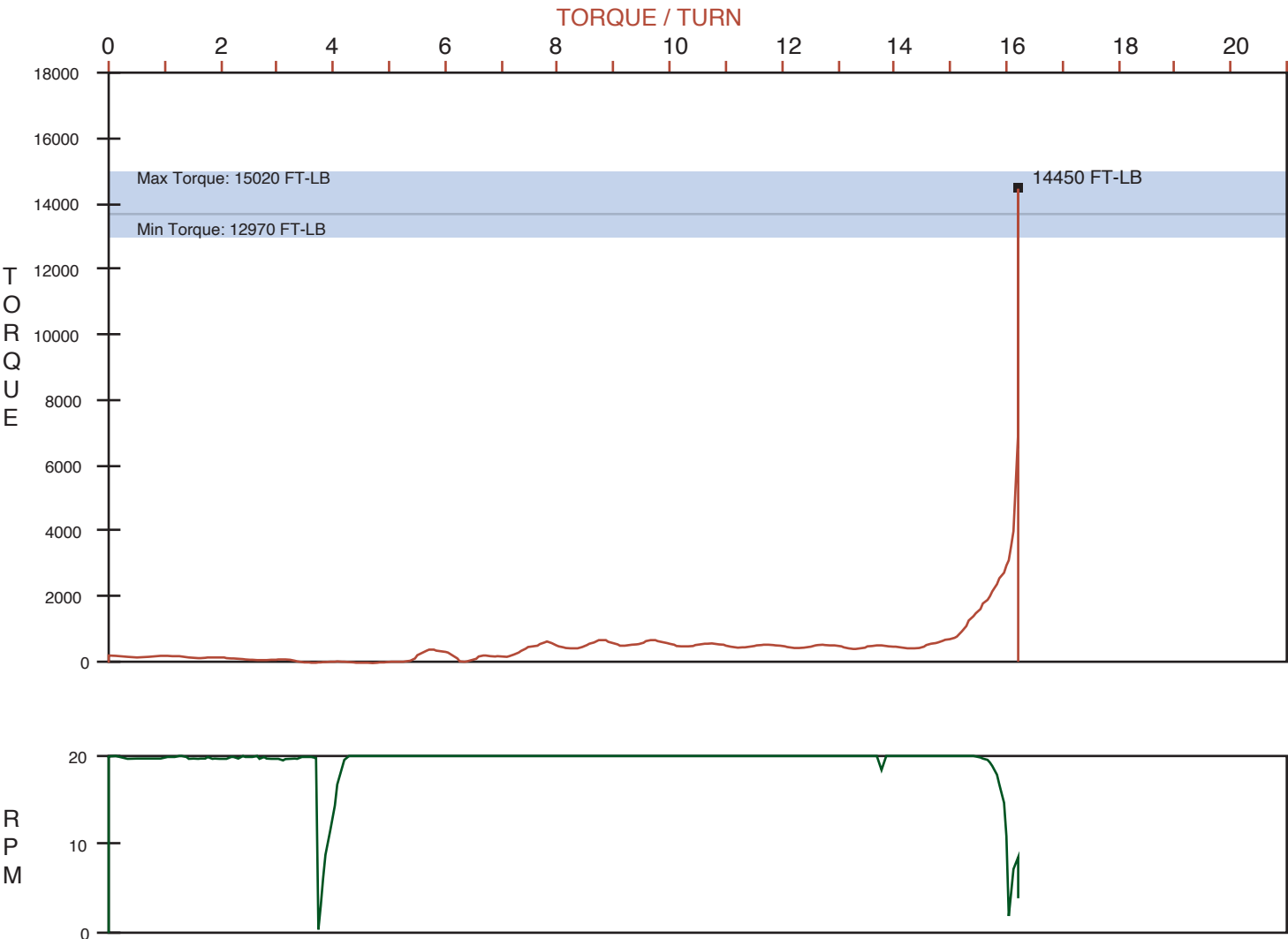
Joint #: 248

Count #: 248

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:03:03 PM	Heat/Lot#:	
Pipe Length:	37.720 ft		
Cumulative Length:	9293.062 ft		
Cumulative Weight:	213296.871 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14450 FT-LB
Final Turns:	16.196
Max RPM:	22.290
Delta Torque:	6340 FT-LB
Delta Turns:	0.039

Notes: joint 248



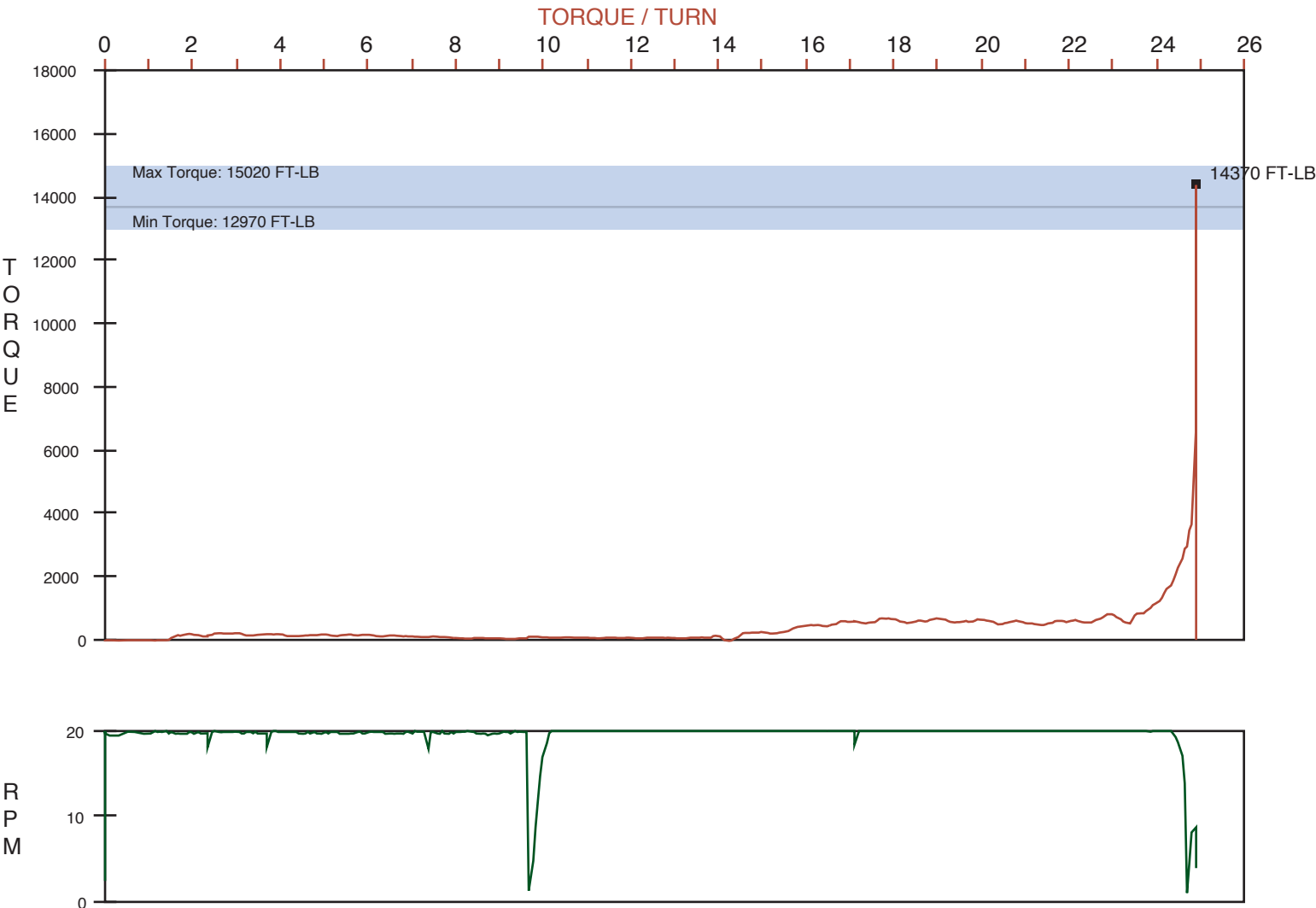
Joint #: 249

Count #: 249

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:07:26 PM	Heat/Lot#:	
Pipe Length:	34.974 ft		
Cumulative Length:	9328.036 ft		
Cumulative Weight:	214101.273 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14370 FT-LB
Final Turns:	24.888
Max RPM:	22.260
Delta Torque:	4100 FT-LB
Delta Turns:	0.017

Notes: joint 249



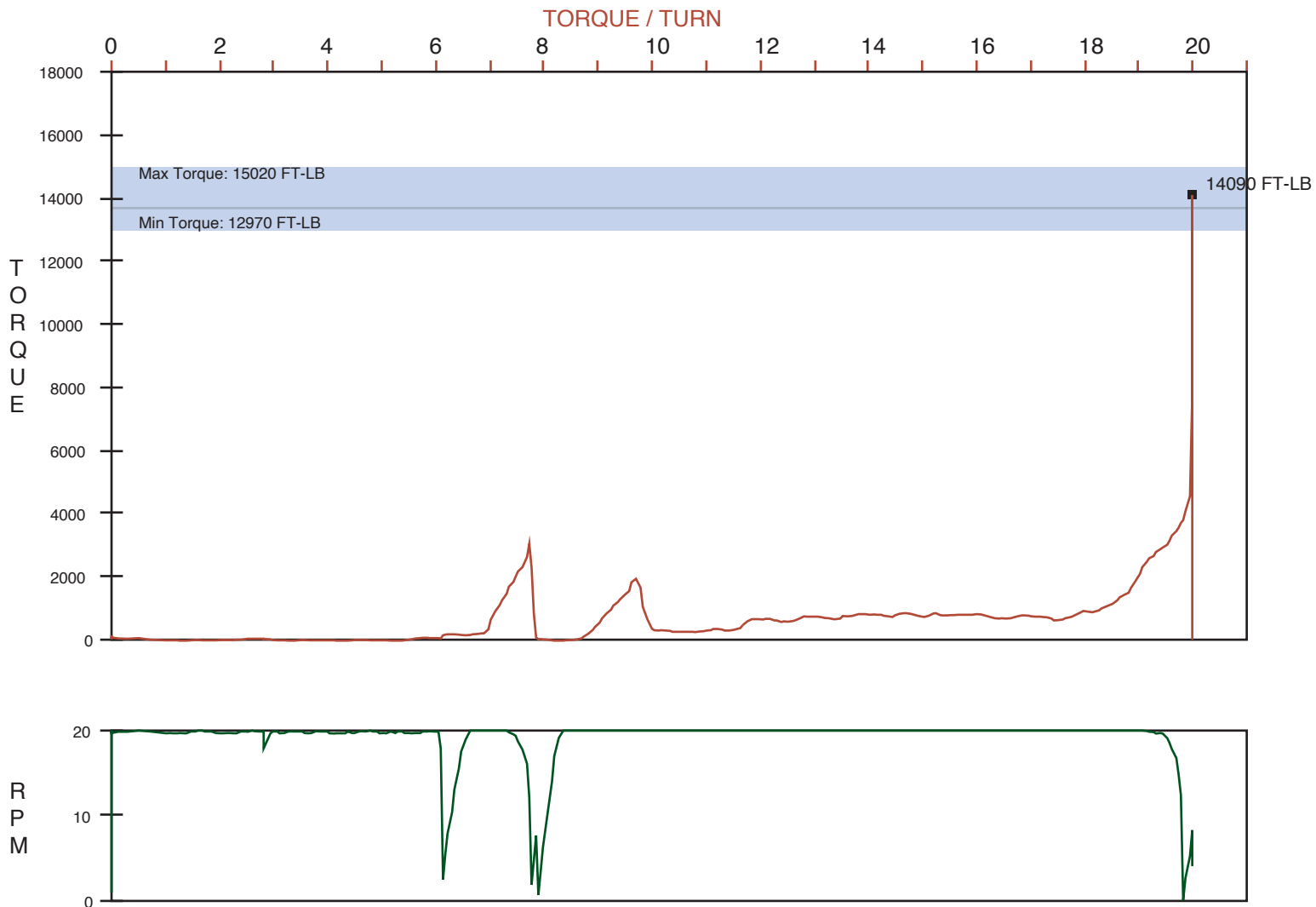


**Joint #: 250****Count #: 250**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:11:45 PM	Heat/Lot#:	
Pipe Length:	36.214 ft		
Cumulative Length:	9364.250 ft		
Cumulative Weight:	214934.195 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14090 FT-LB
Final Turns:	19.984
Max RPM:	21.690
Delta Torque:	2680 FT-LB
Delta Turns:	0.009

Notes: joint 250

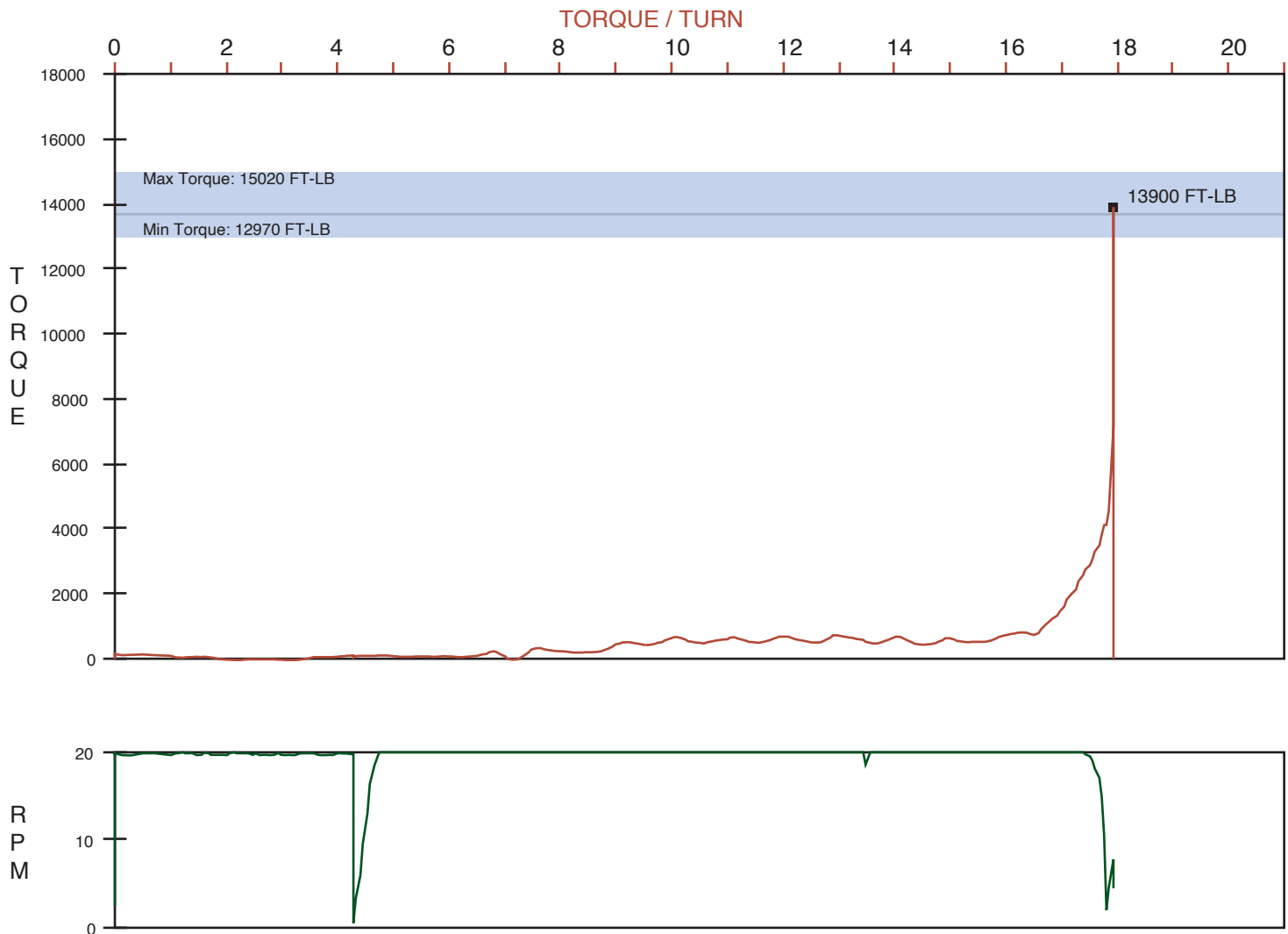


**Joint #: 251****Count #: 251**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:21:27 PM	Heat/Lot#:	
Pipe Length:	37.756 ft		
Cumulative Length:	9402.006 ft		
Cumulative Weight:	215802.583 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	13900 FT-LB
Final Turns:	17.92
Max RPM:	22.530
Delta Torque:	3080 FT-LB
Delta Turns:	0.014

Notes: joint 251



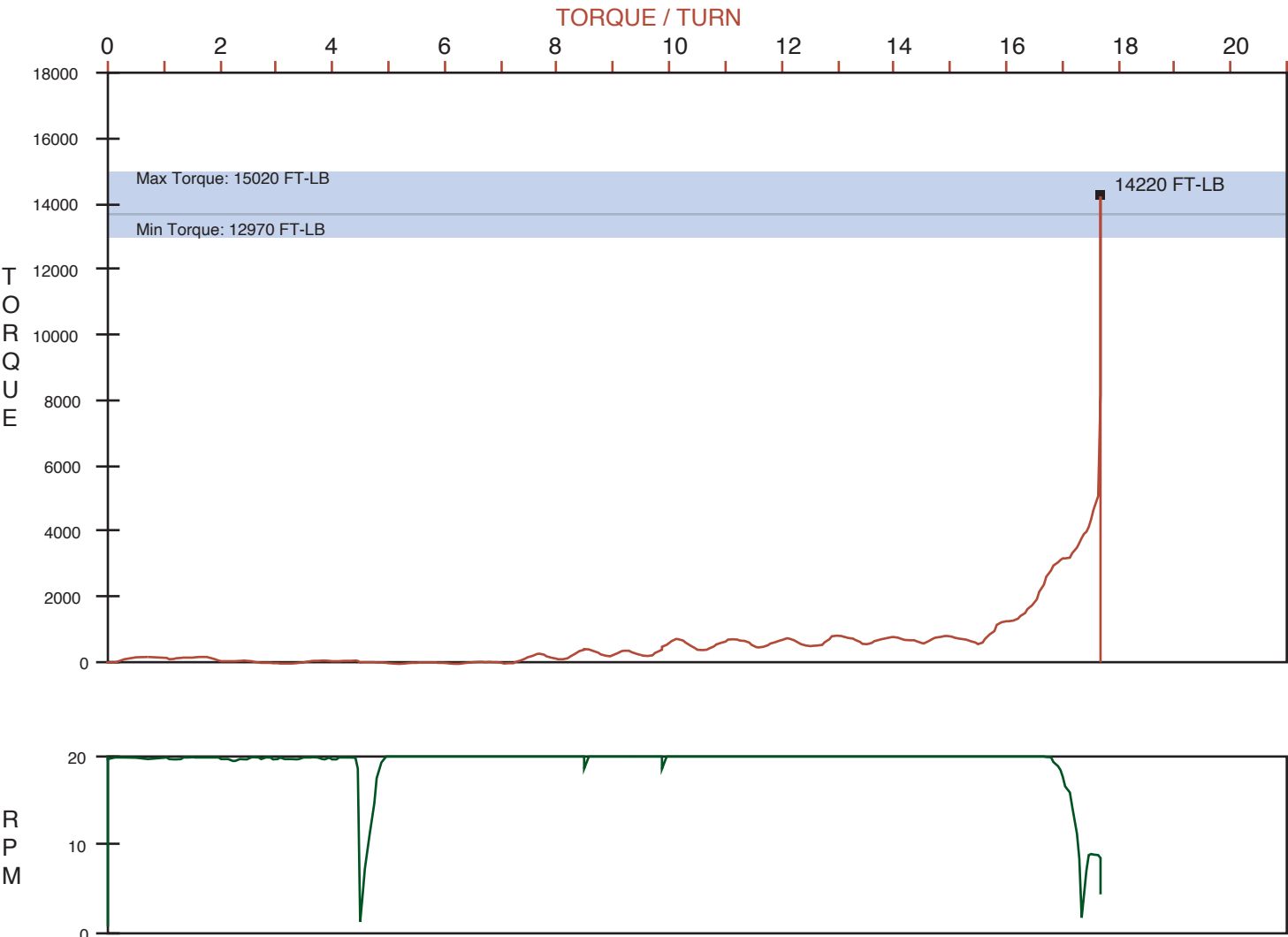
Joint #: 252

Count #: 252

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:24:45 PM	Heat/Lot#:	
Pipe Length:	37.844 ft		
Cumulative Length:	9439.850 ft		
Cumulative Weight:	216672.995 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14220 FT-LB
Final Turns:	17.682
Max RPM:	22.560
Delta Torque:	7350 FT-LB
Delta Turns:	0.061

Notes: joint 252



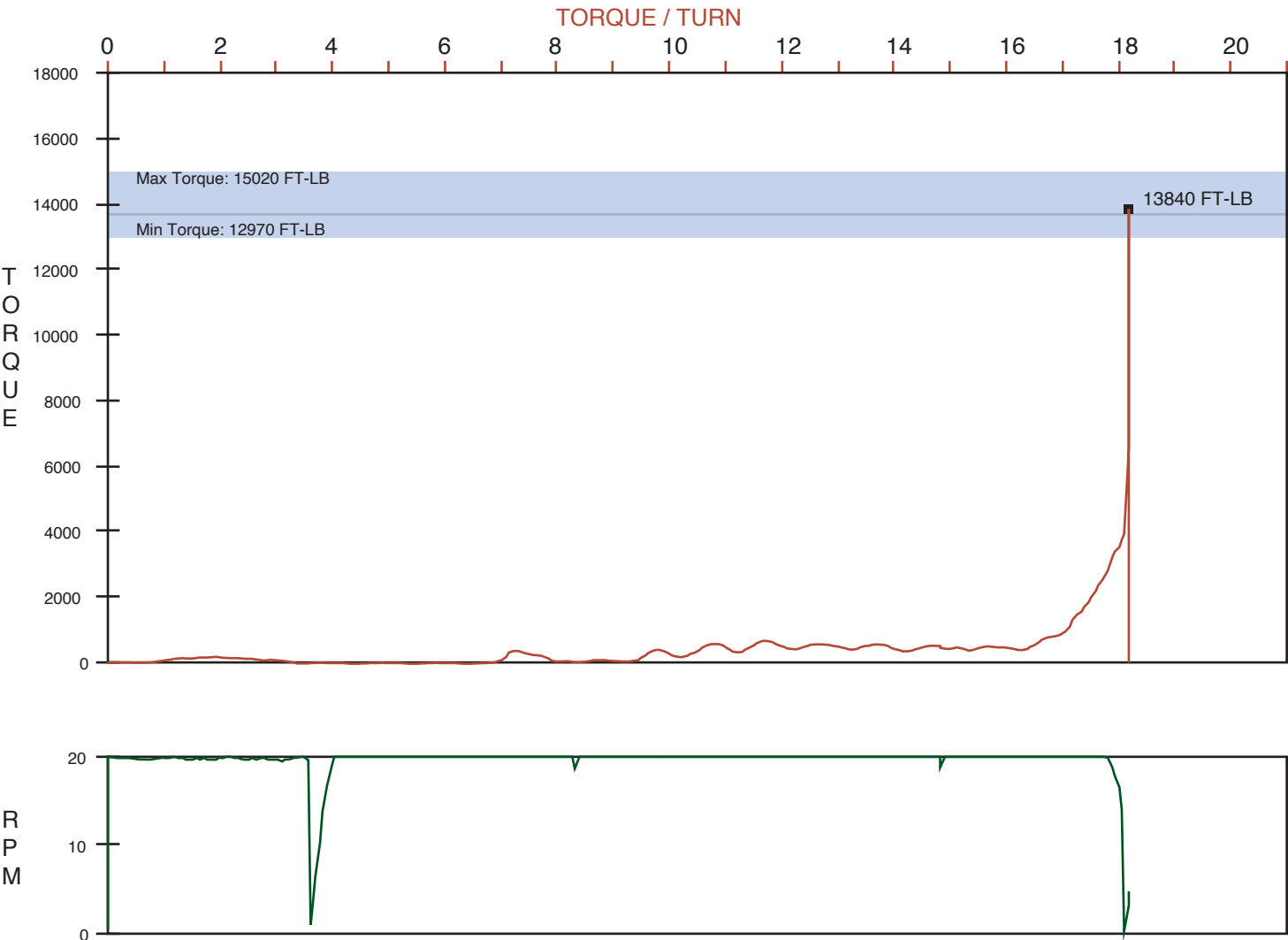
Joint #: 253

Count #: 253

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:27:52 PM	Heat/Lot#:	
Pipe Length:	35.827 ft		
Cumulative Length:	9475.677 ft		
Cumulative Weight:	217497.016 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13840 FT-LB
Final Turns:	18.176
Max RPM:	22.650
Delta Torque:	5510 FT-LB
Delta Turns:	0.029

Notes: joint 253



**Joint #: 254****Count #: 254**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:31:16 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	9513.538 ft		
Cumulative Weight:	218367.819 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14430 FT-LB

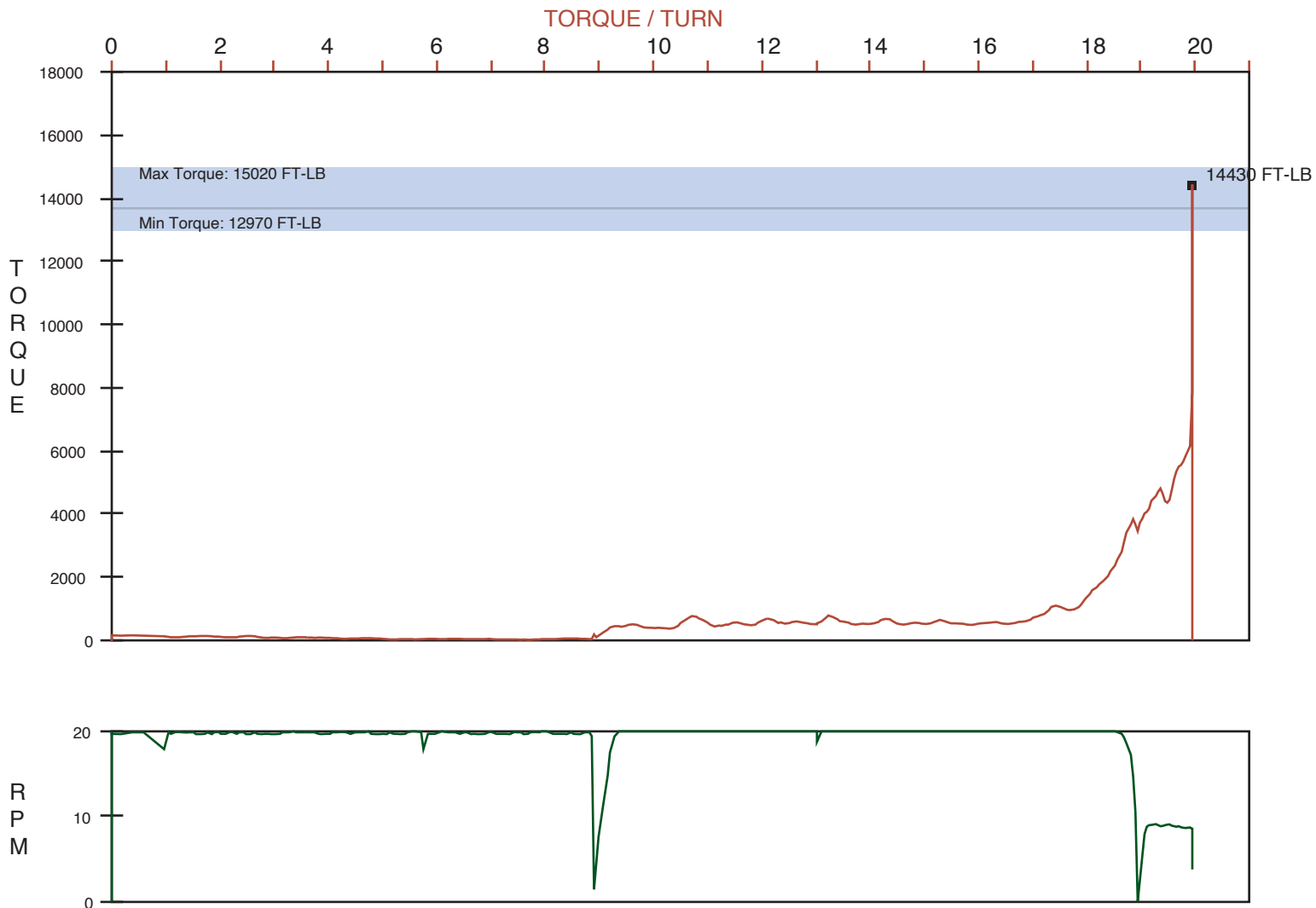
Final Turns: 19.954

Max RPM: 22.5

Delta Torque: 3290 FT-LB

Delta Turns: 0.015

Notes: joint 254

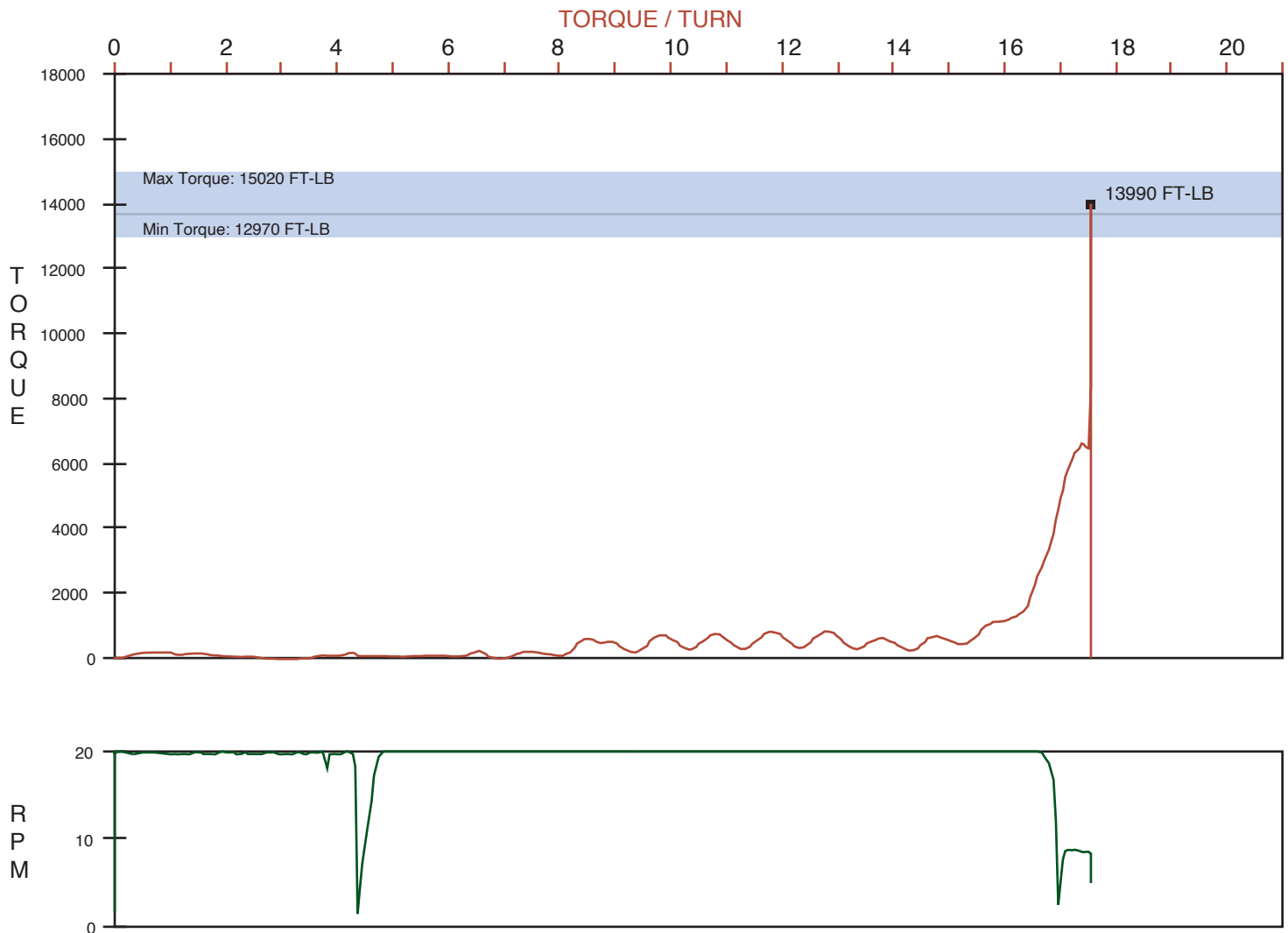


**Joint #: 255****Count #: 255**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:35:07 PM	Heat/Lot#:	
Pipe Length:	37.871 ft		
Cumulative Length:	9551.409 ft		
Cumulative Weight:	219238.852 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	13990 FT-LB
Final Turns:	17.565
Max RPM:	21.690
Delta Torque:	6450 FT-LB
Delta Turns:	0.056

Notes: joint 255



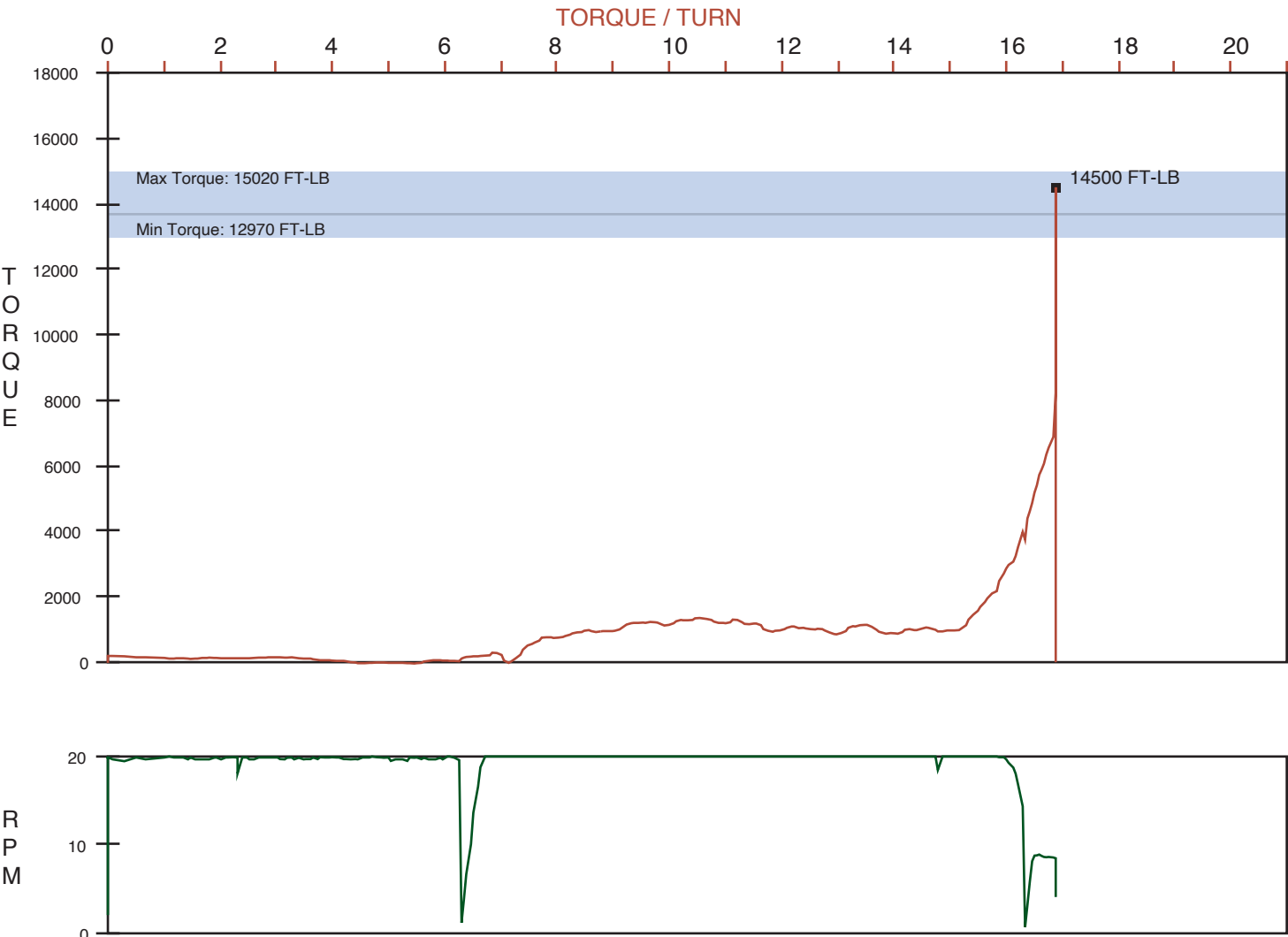
Joint #: 256

Count #: 256

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:38:22 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	9589.270 ft		
Cumulative Weight:	220109.655 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14500 FT-LB
Final Turns:	16.884
Max RPM:	22.410
Delta Torque:	3260 FT-LB
Delta Turns:	0.008

Notes: joint 256



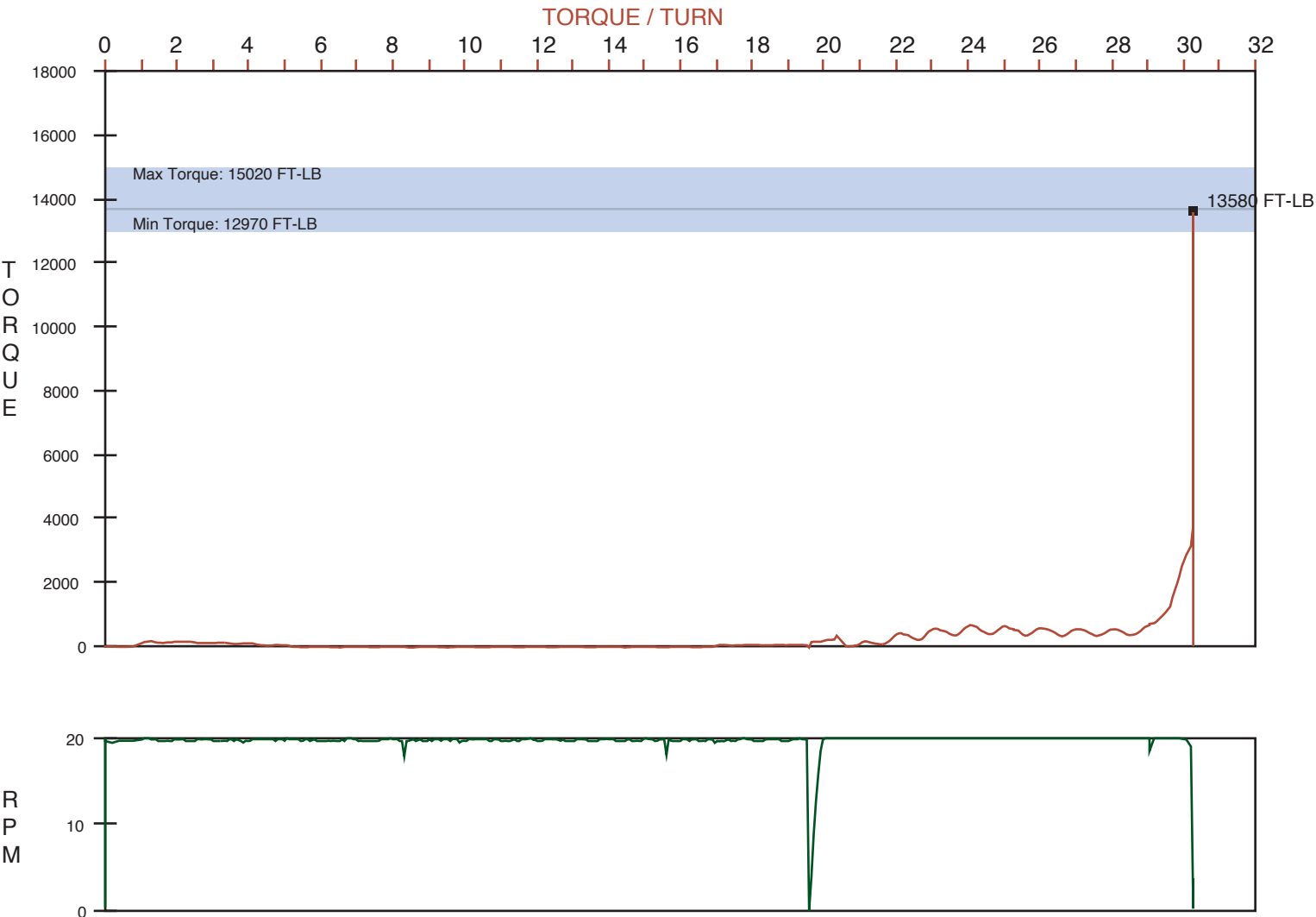
Joint #: 257

Count #: 257

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:42:15 PM	Heat/Lot#:	
Pipe Length:	35.164 ft		
Cumulative Length:	9624.434 ft		
Cumulative Weight:	220918.427 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13580 FT-LB
Final Turns:	30.251
Max RPM:	22.560
Delta Torque:	3150 FT-LB
Delta Turns:	0.009

Notes: joint 257



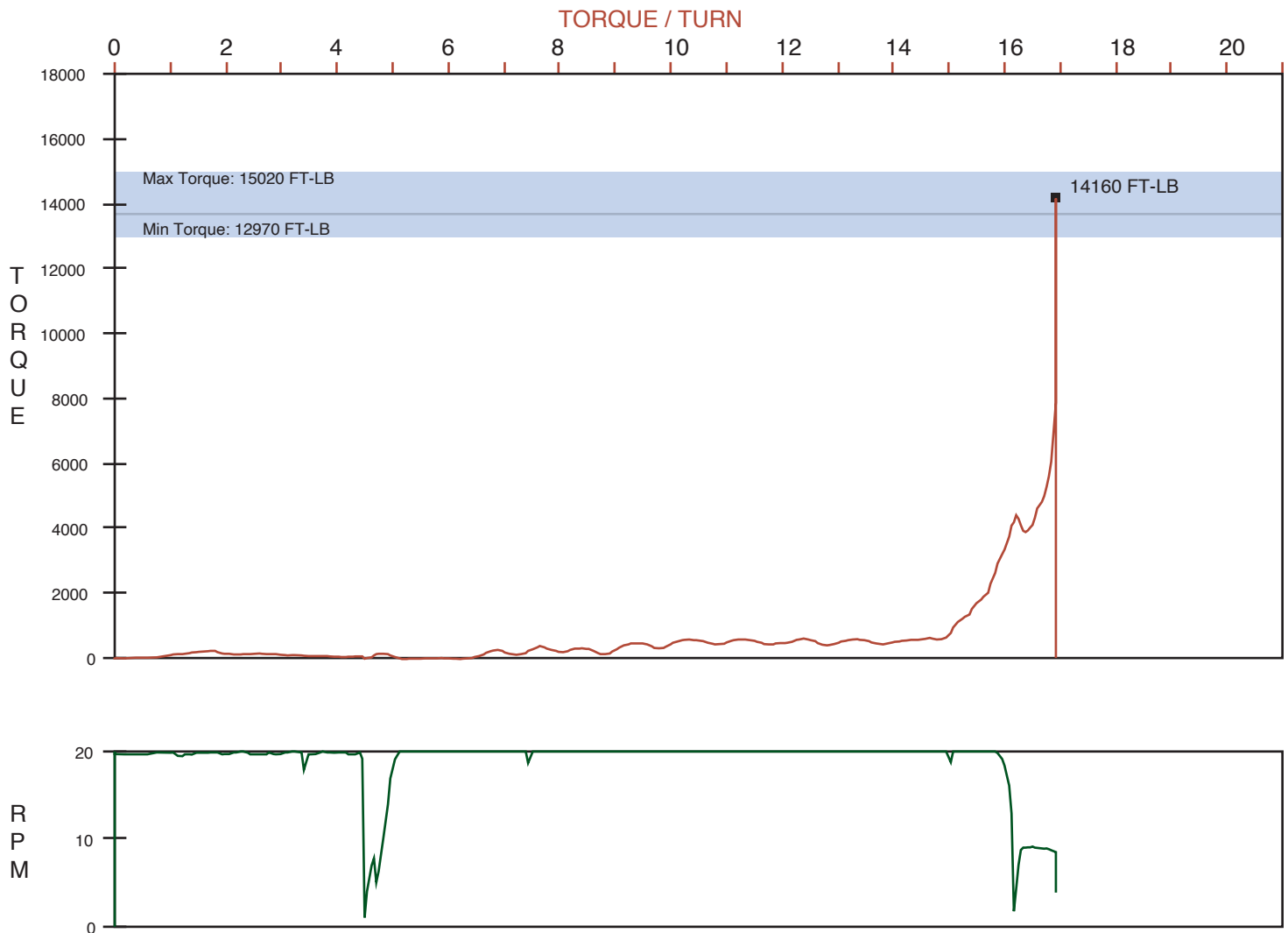


**Joint #: 258****Count #: 258**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 12:45:27 PM**

Heat/Lot#:

Pipe Length: **34.022 ft**Cumulative Length: **9658.456 ft**Cumulative Weight: **221700.933 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14160 FT-LB**Final Turns: **16.908**Max RPM: **22.560**Delta Torque: **3550 FT-LB**Delta Turns: **0.015**Notes: **joint 258**

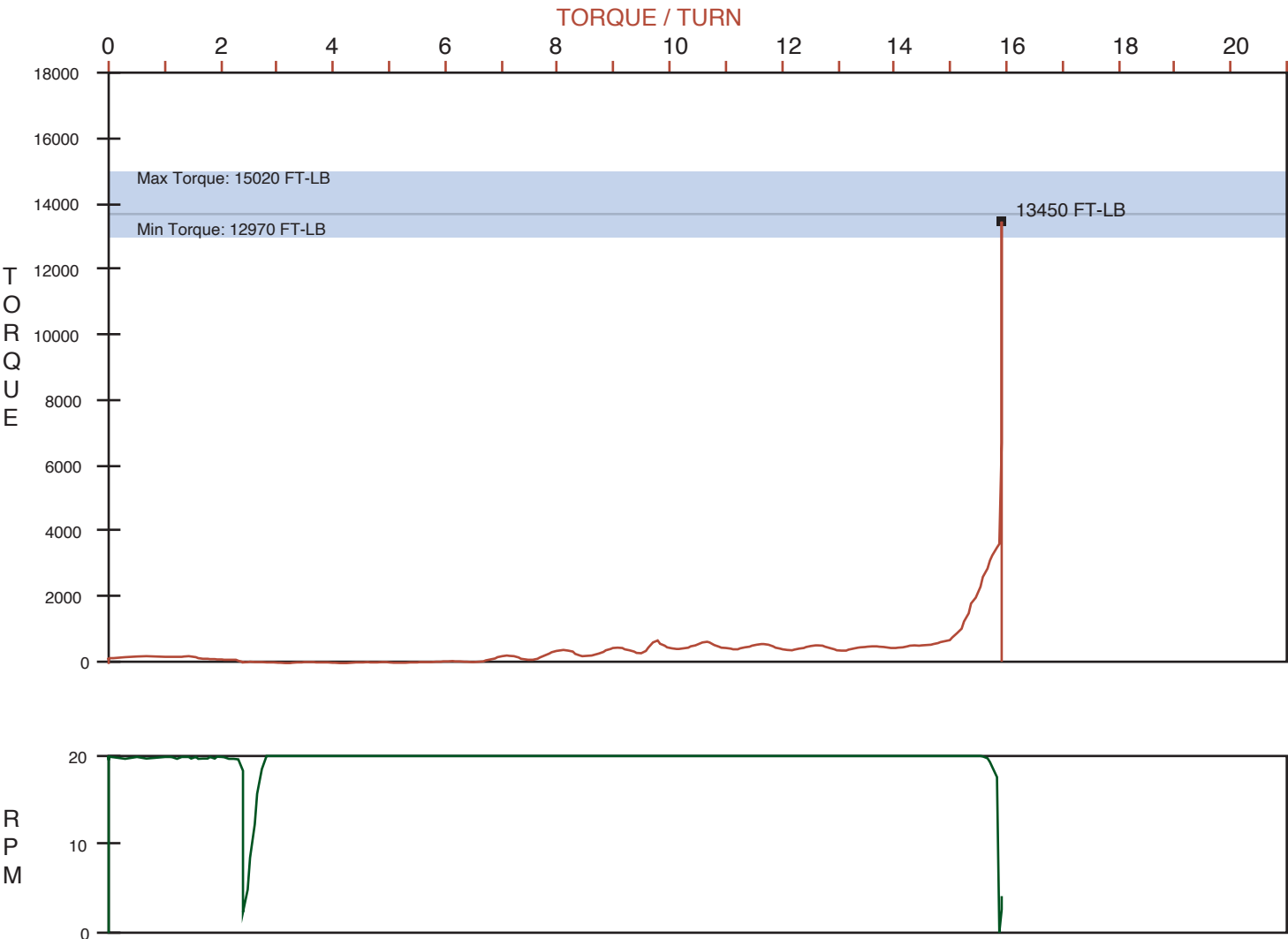
Joint #: 259

Count #: 259

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:48:35 PM	Heat/Lot#:	
Pipe Length:	37.877 ft		
Cumulative Length:	9696.333 ft		
Cumulative Weight:	222572.104 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13450 FT-LB
Final Turns:	15.932
Max RPM:	21.720
Delta Torque:	2680 FT-LB
Delta Turns:	0.010

Notes: joint 259



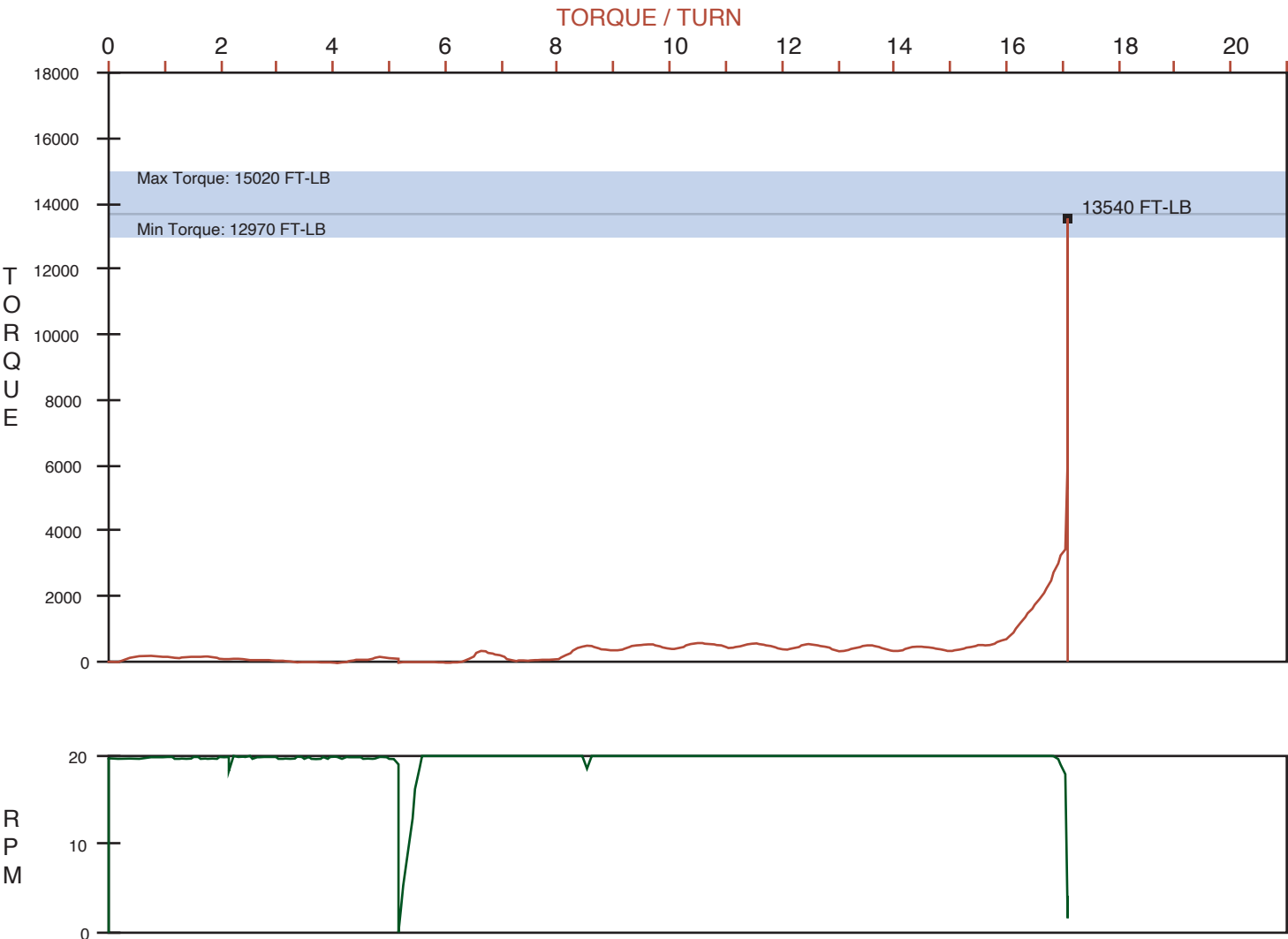
Joint #: 260

Count #: 260

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:51:59 PM	Heat/Lot#:	
Pipe Length:	37.293 ft		
Cumulative Length:	9733.626 ft		
Cumulative Weight:	223429.843 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13540 FT-LB
Final Turns:	17.098
Max RPM:	22.5
Delta Torque:	5600 FT-LB
Delta Turns:	0.024

Notes: joint 260



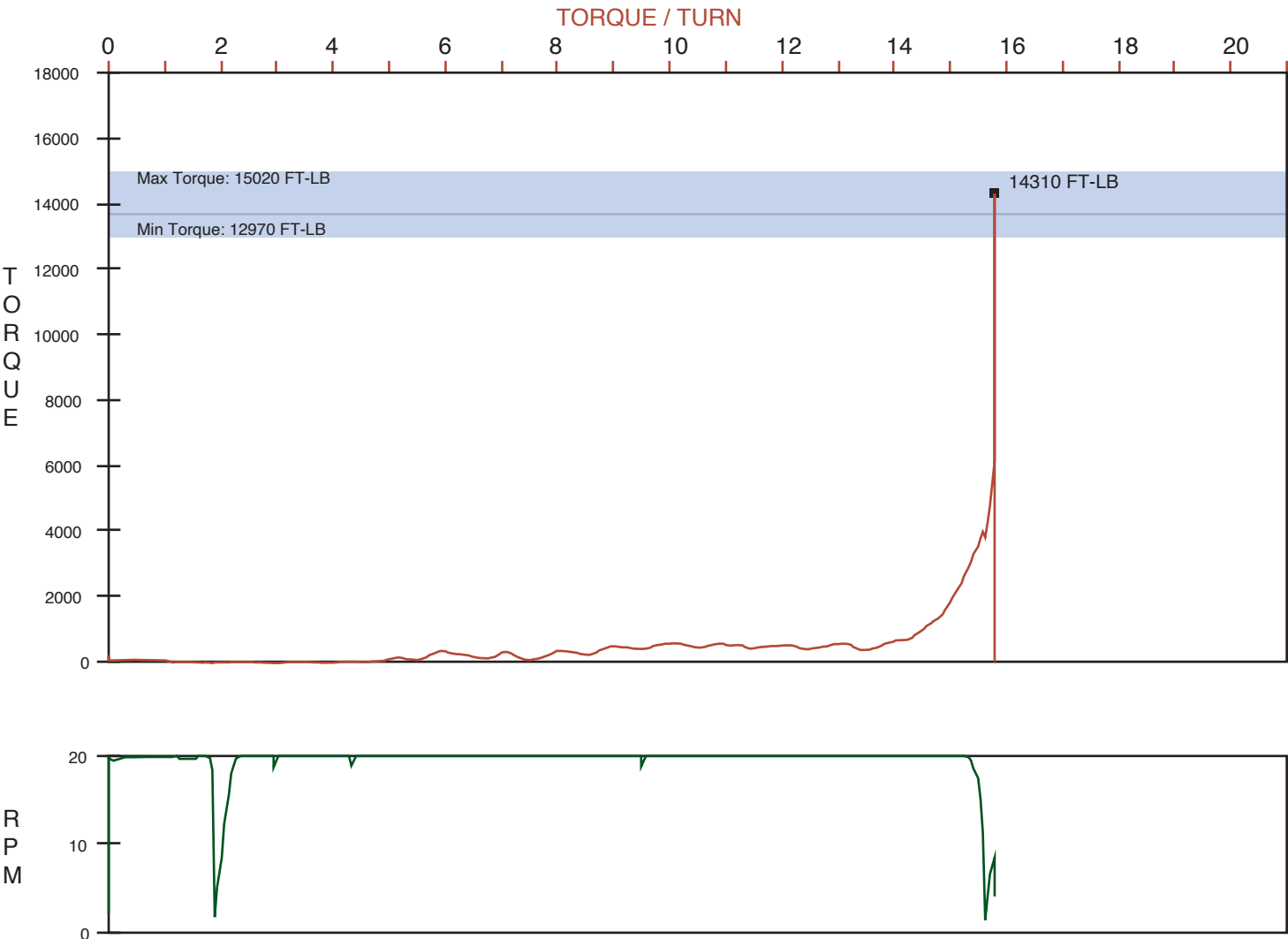
Joint #: 261

Count #: 261

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:55:14 PM	Heat/Lot#:	
Pipe Length:	37.871 ft		
Cumulative Length:	9771.497 ft		
Cumulative Weight:	224300.876 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14310 FT-LB
Final Turns:	15.784
Max RPM:	22.680
Delta Torque:	4090 FT-LB
Delta Turns:	0.017

Notes: joint 261



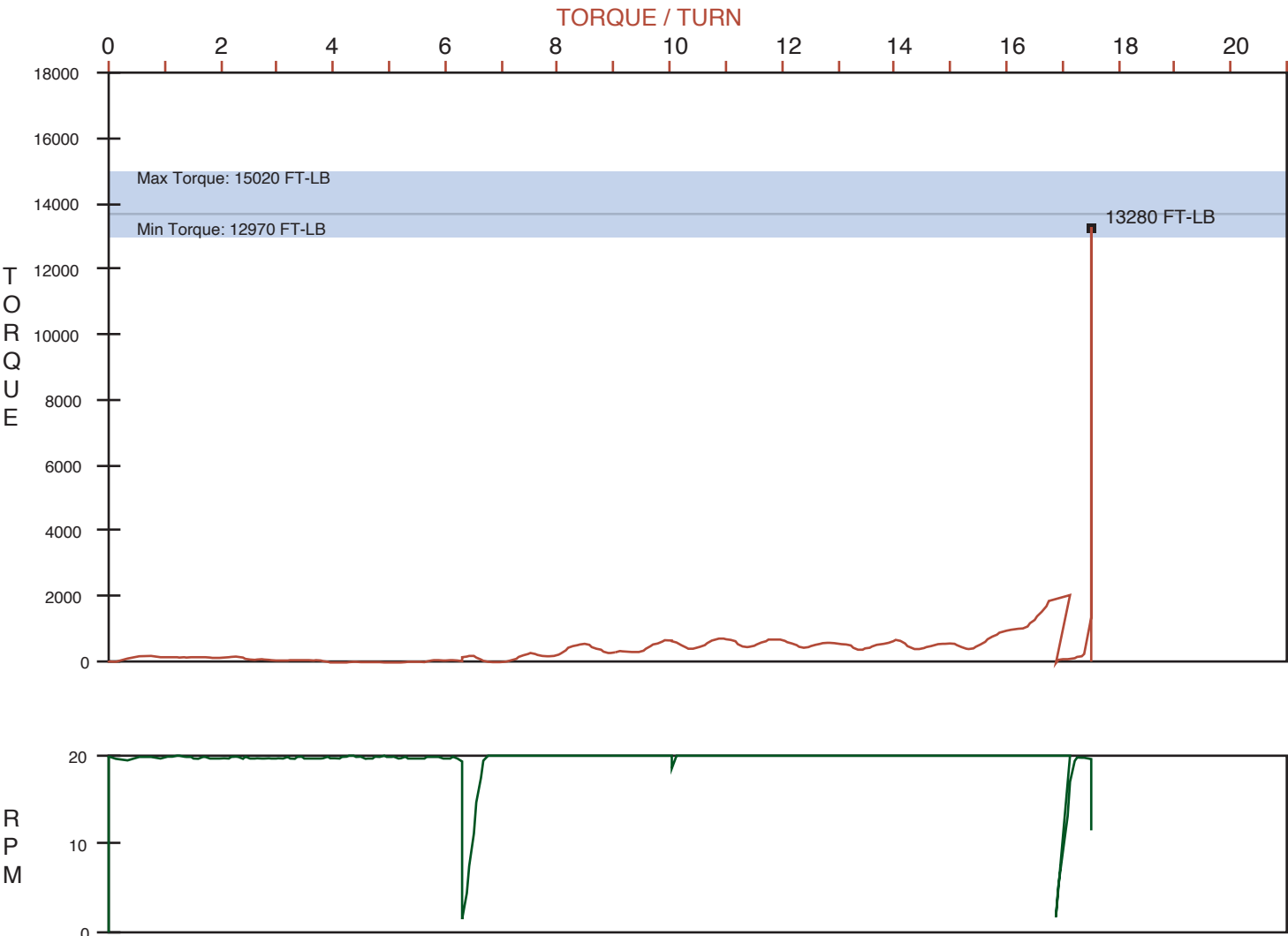
Joint #: 262

Count #: 262

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 12:59:07 PM	Heat/Lot#:	
Pipe Length:	35.279 ft		
Cumulative Length:	9806.776 ft		
Cumulative Weight:	225112.293 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13280 FT-LB
Final Turns:	17.495
Max RPM:	22.770
Delta Torque:	4920 FT-LB
Delta Turns:	-0.009

Notes: joint 262

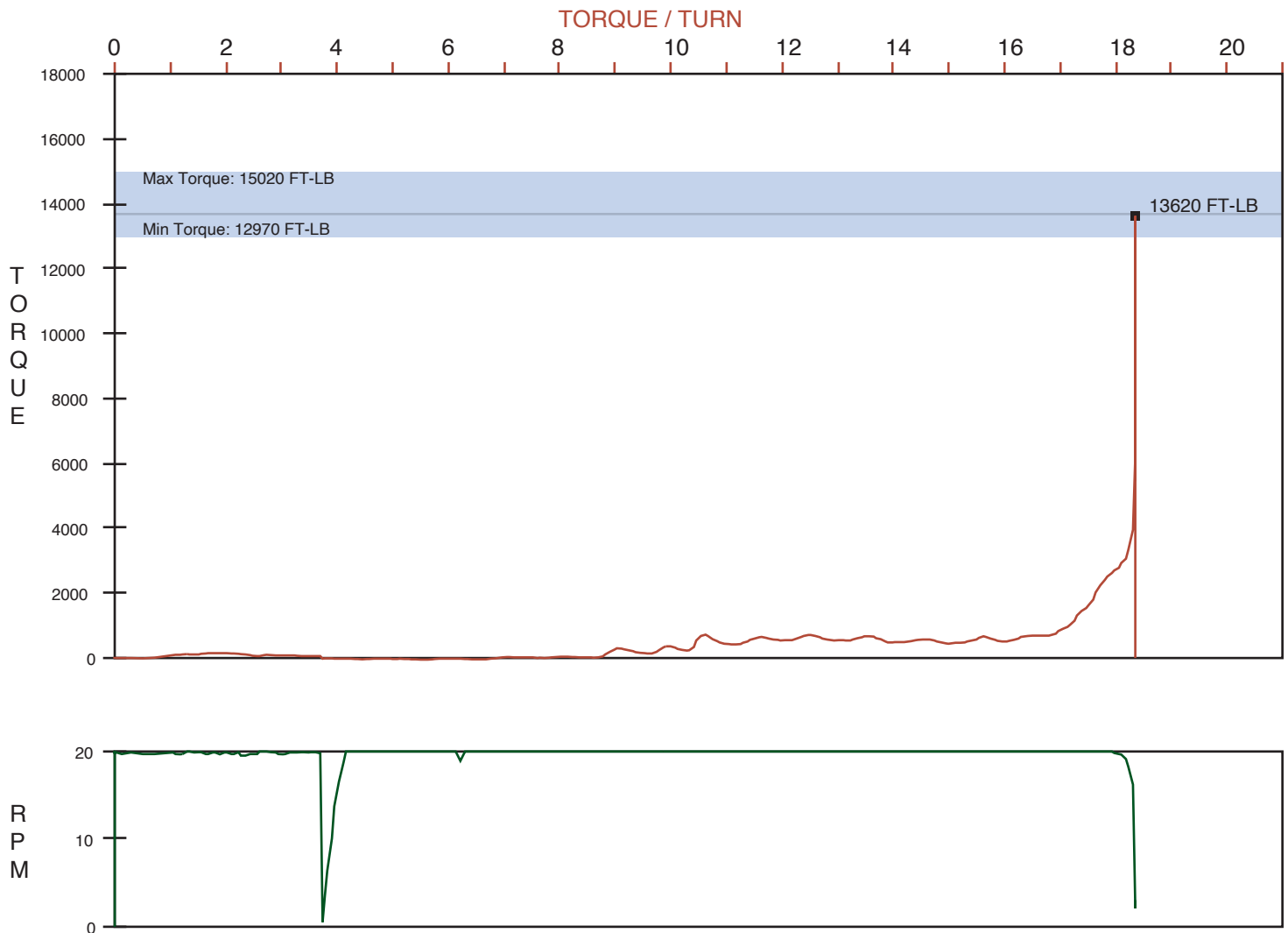


**Joint #: 263****Count #: 263**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 1:03:19 PM**

Heat/Lot#:

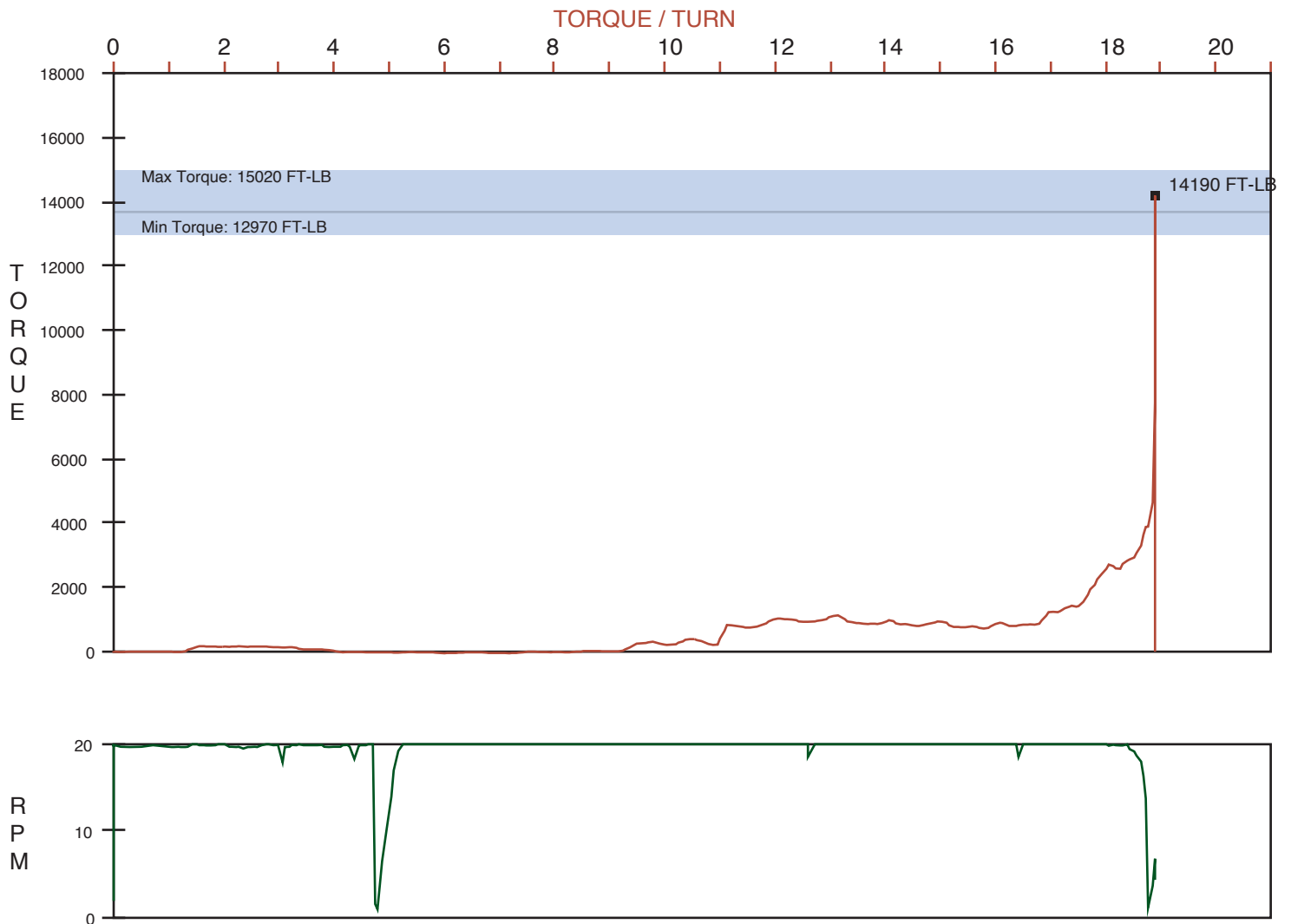
Pipe Length: **36.578 ft**Cumulative Length: **9843.354 ft**Cumulative Weight: **225953.587 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13620 FT-LB**Final Turns: **18.354**Max RPM: **22.620**Delta Torque: **3620 FT-LB**Delta Turns: **0.016**Notes: **joint 263**

**Joint #: 264****Count #: 264**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 1:06:36 PM**

Heat/Lot#:

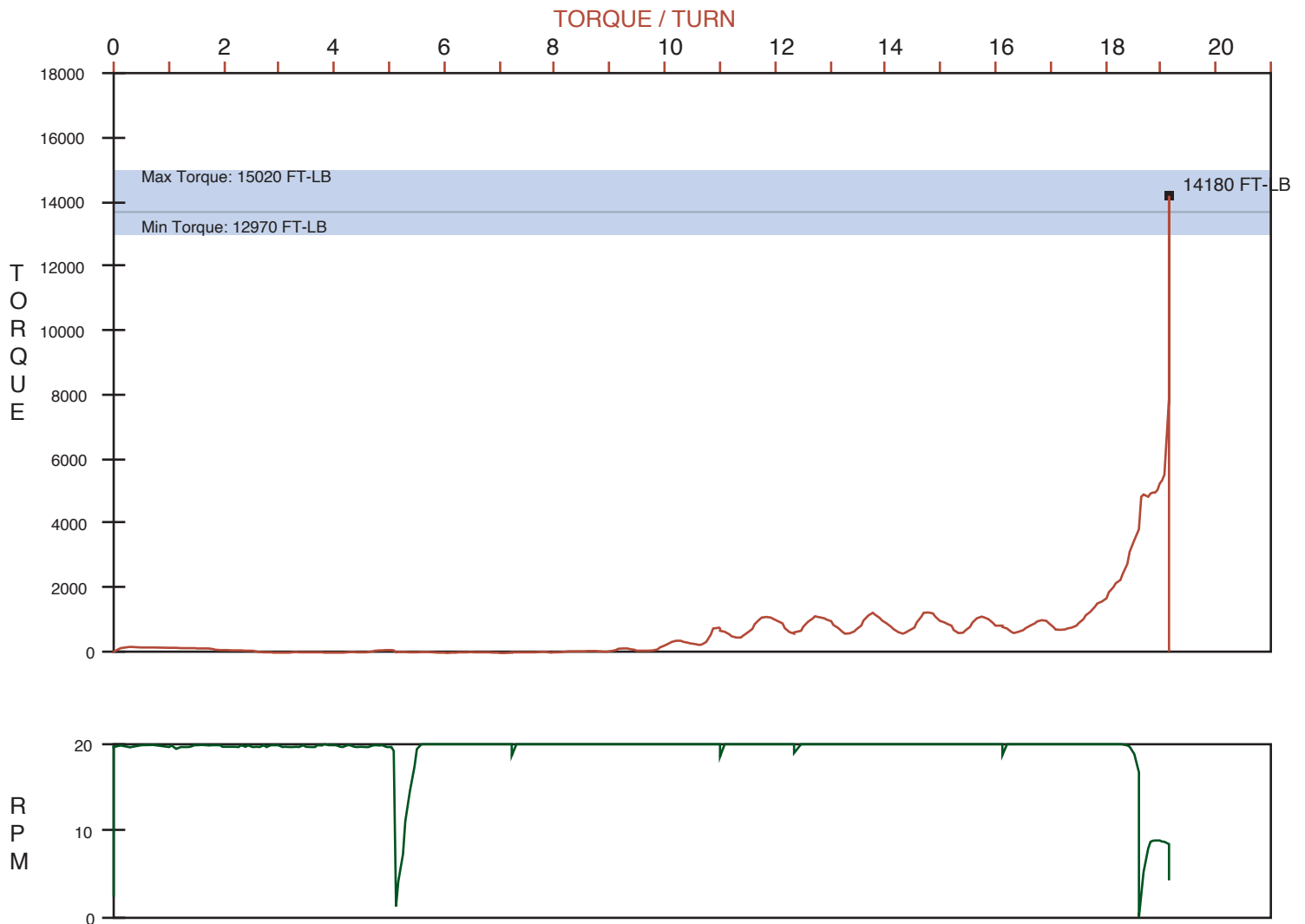
Pipe Length: **34.751 ft**Cumulative Length: **9878.105 ft**Cumulative Weight: **226752.860 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14190 FT-LB**Final Turns: **18.902**Max RPM: **22.440**Delta Torque: **7450 FT-LB**Delta Turns: **0.060**Notes: **joint 264**

**Joint #: 265****Count #: 265**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 1:09:46 PM**

Heat/Lot#:

Pipe Length: **36.371 ft**Cumulative Length: **9914.476 ft**Cumulative Weight: **227589.393 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14180 FT-LB**Final Turns: **19.134**Max RPM: **22.740**Delta Torque: **6310 FT-LB**Delta Turns: **0.045**Notes: **joint 265**

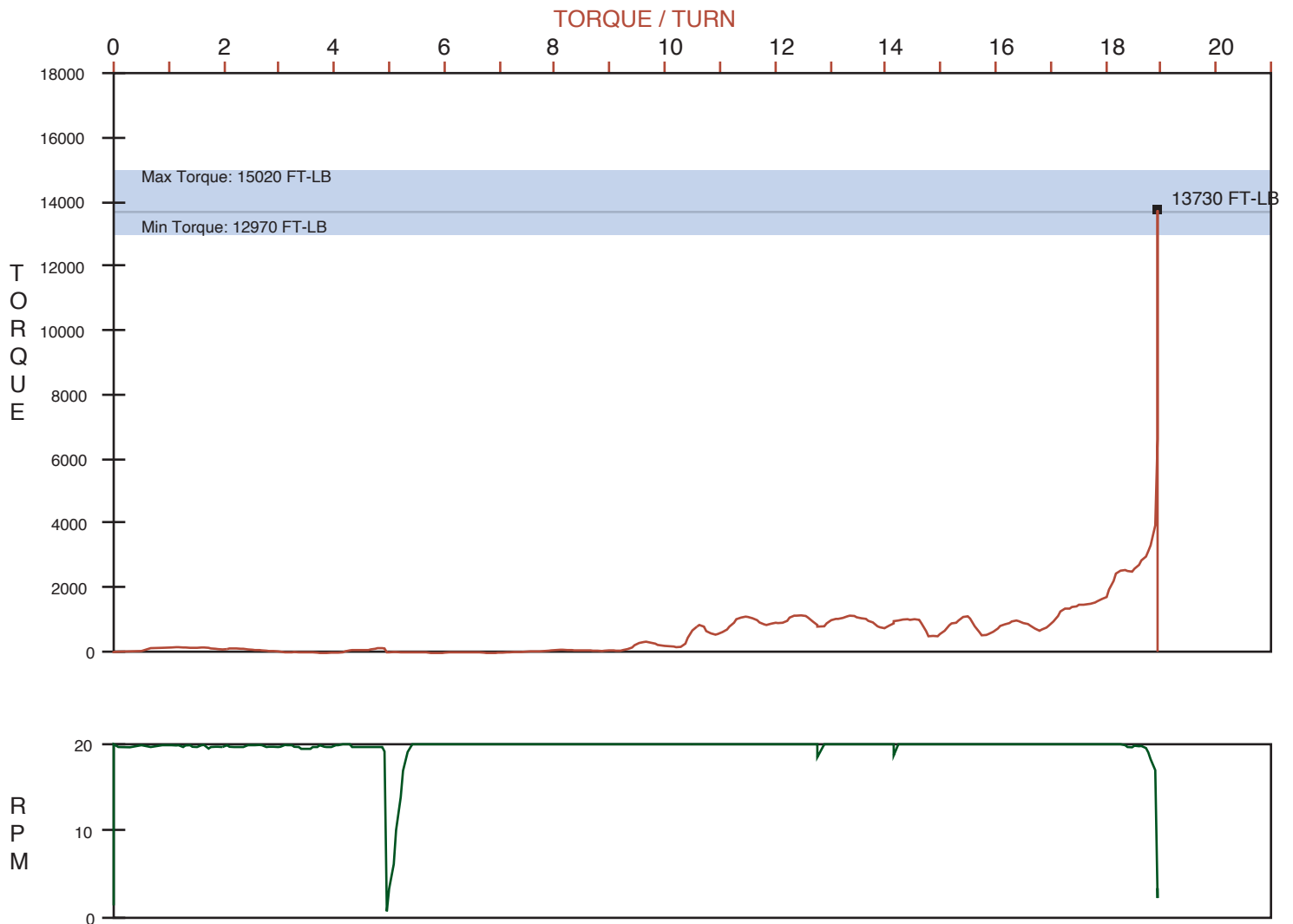


**Joint #: 266****Count #: 266**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 1:13:08 PM**

Heat/Lot#:

Pipe Length: **37.703 ft**Cumulative Length: **9952.179 ft**Cumulative Weight: **228456.562 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13730 FT-LB**Final Turns: **18.952**Max RPM: **22.410**Delta Torque: **3340 FT-LB**Delta Turns: **0.010**Notes: **joint 266**

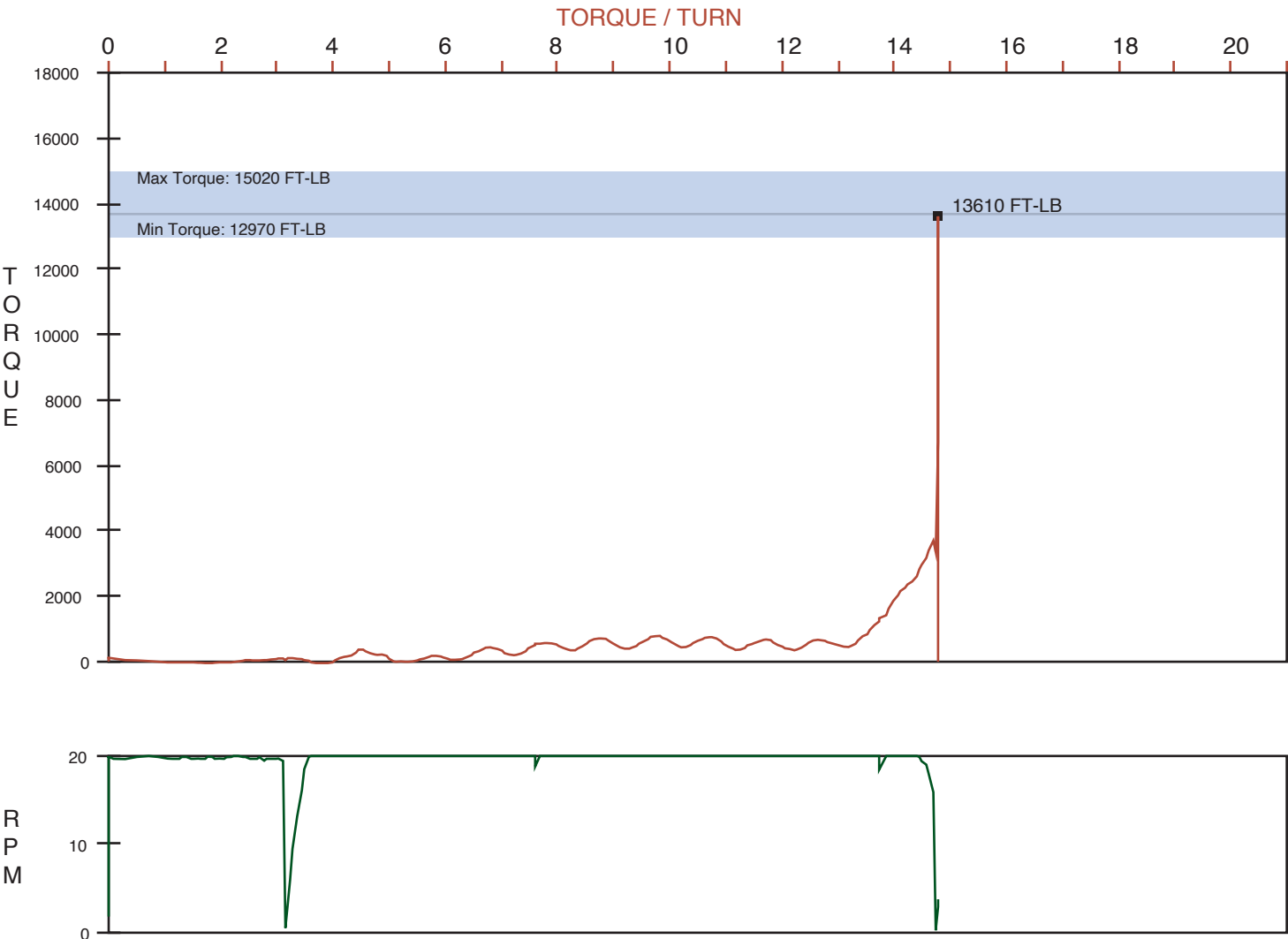
Joint #: 267

Count #: 267

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:16:28 PM	Heat/Lot#:	
Pipe Length:	37.723 ft		
Cumulative Length:	9989.902 ft		
Cumulative Weight:	229324.191 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13610 FT-LB
Final Turns:	14.801
Max RPM:	22.5
Delta Torque:	3550 FT-LB
Delta Turns:	0.015

Notes: joint 267

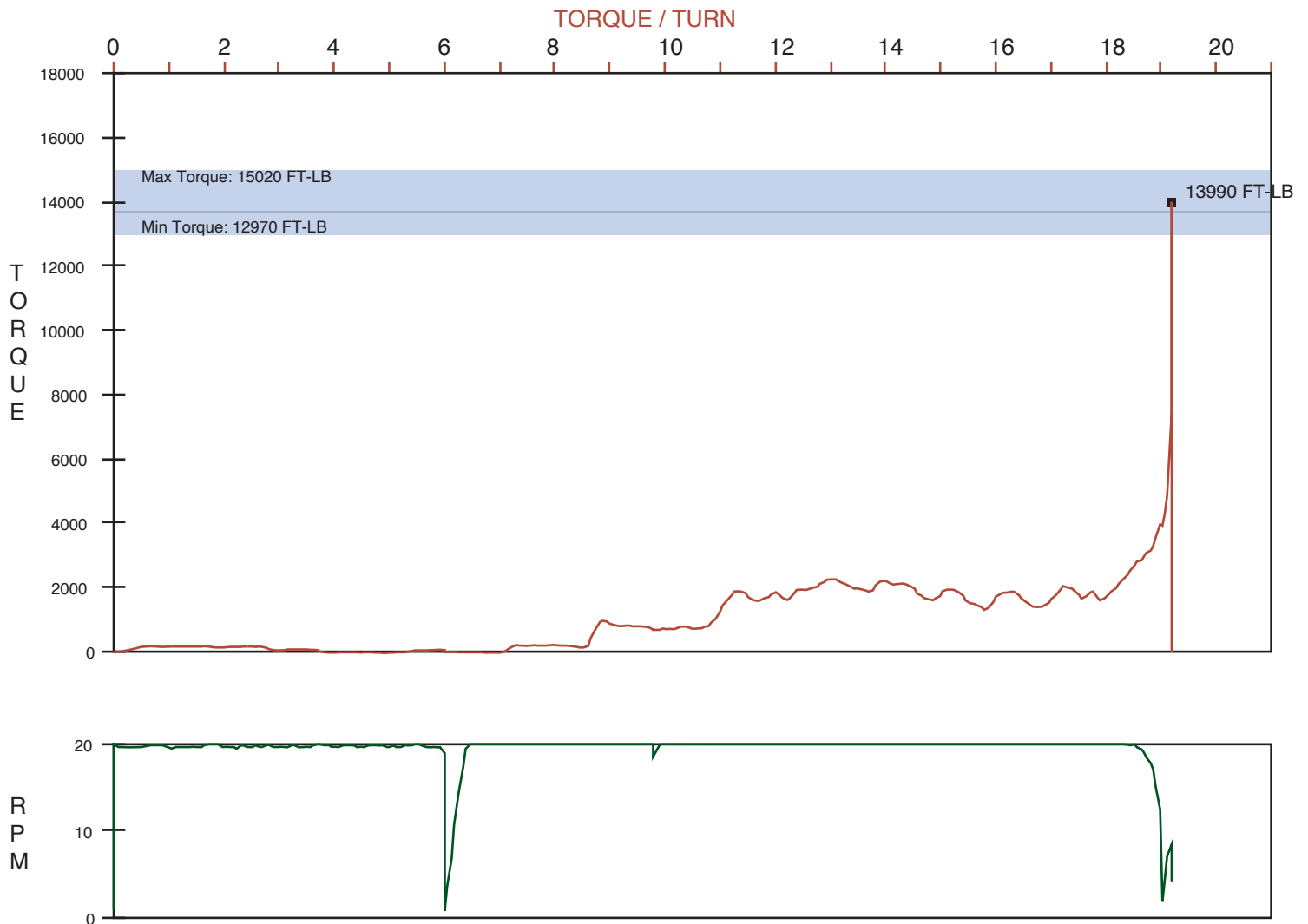


**Joint #: 268****Count #: 268**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 1:19:47 PM**

Heat/Lot#:

Pipe Length: **37.877 ft**Cumulative Length: **10027.779 ft**Cumulative Weight: **230195.362 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13990 FT-LB**Final Turns: **19.176**Max RPM: **22.470**Delta Torque: **2290 FT-LB**Delta Turns: **0.008**Notes: **joint 268**

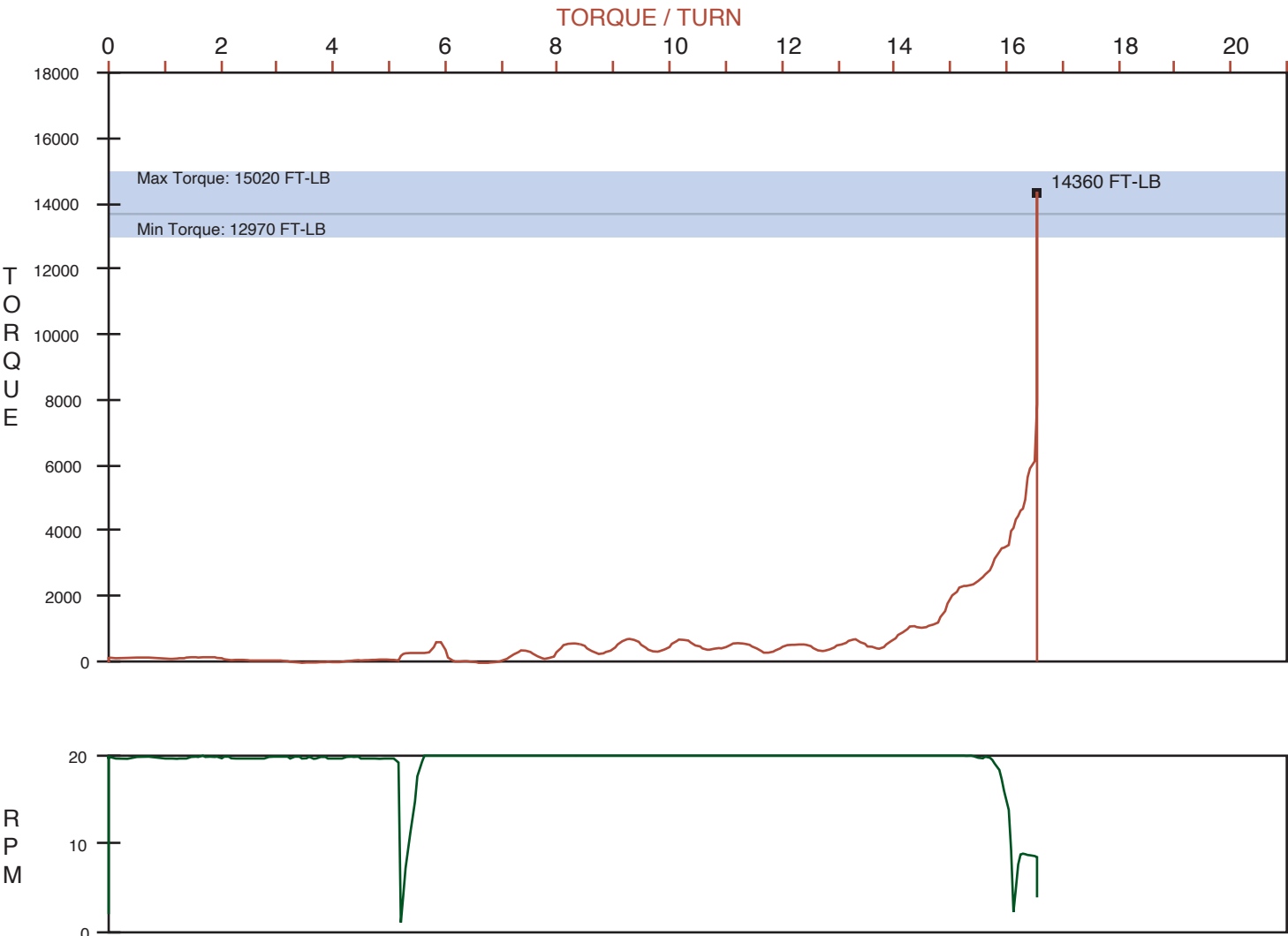
Joint #: 269

Count #: 269

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:23:53 PM	Heat/Lot#:	
Pipe Length:	37.874 ft		
Cumulative Length:	10065.653 ft		
Cumulative Weight:	231066.464 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14360 FT-LB
Final Turns:	16.560
Max RPM:	21
Delta Torque:	3640 FT-LB
Delta Turns:	0.016

Notes: joint 269

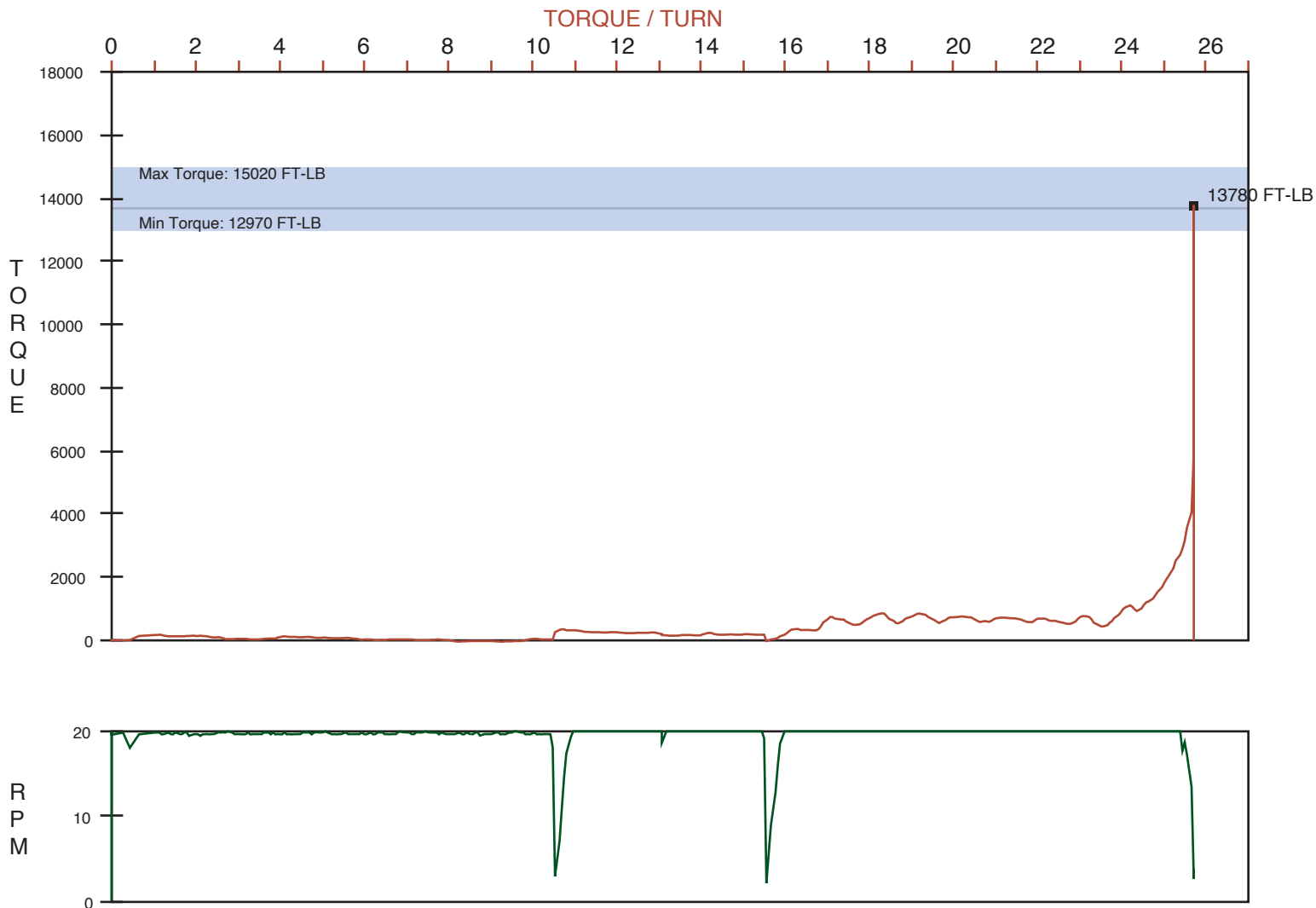


**Joint #: 270****Count #: 270**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 1:27:56 PM**

Heat/Lot#:

Pipe Length: **37.638 ft**Cumulative Length: **10103.291 ft**Cumulative Weight: **231932.138 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13780 FT-LB**Final Turns: **25.707**Max RPM: **22.590**Delta Torque: **3720 FT-LB**Delta Turns: **0.018**Notes: **joint 270**

**Joint #: 271****Count #: 271**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:32:12 PM	Heat/Lot#:	
Pipe Length:	37.887 ft		
Cumulative Length:	10141.178 ft		
Cumulative Weight:	232803.539 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14020 FT-LB

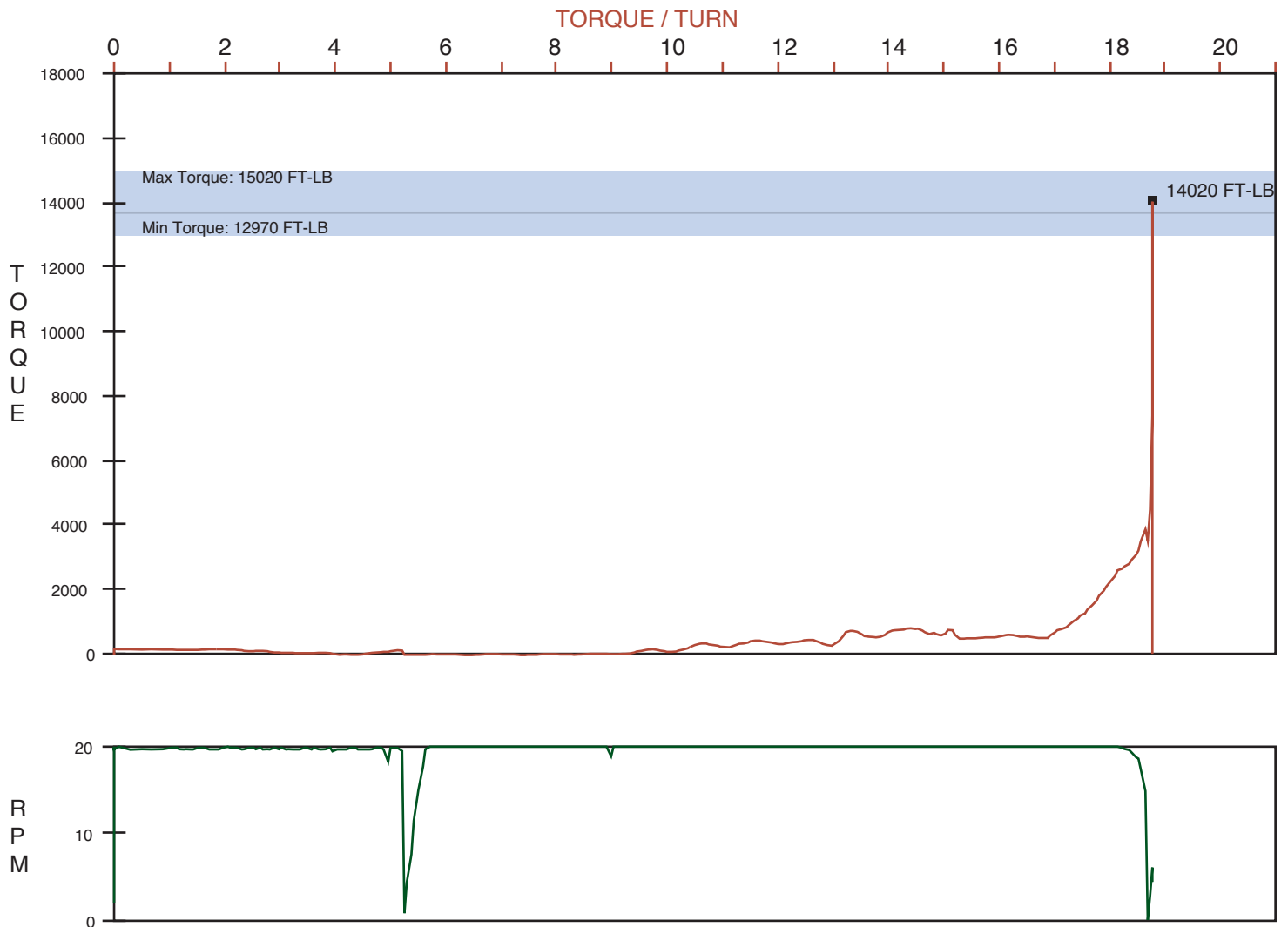
Final Turns: 18.788

Max RPM: 22.650

Delta Torque: 3970 FT-LB

Delta Turns: 0.013

Notes: joint 271



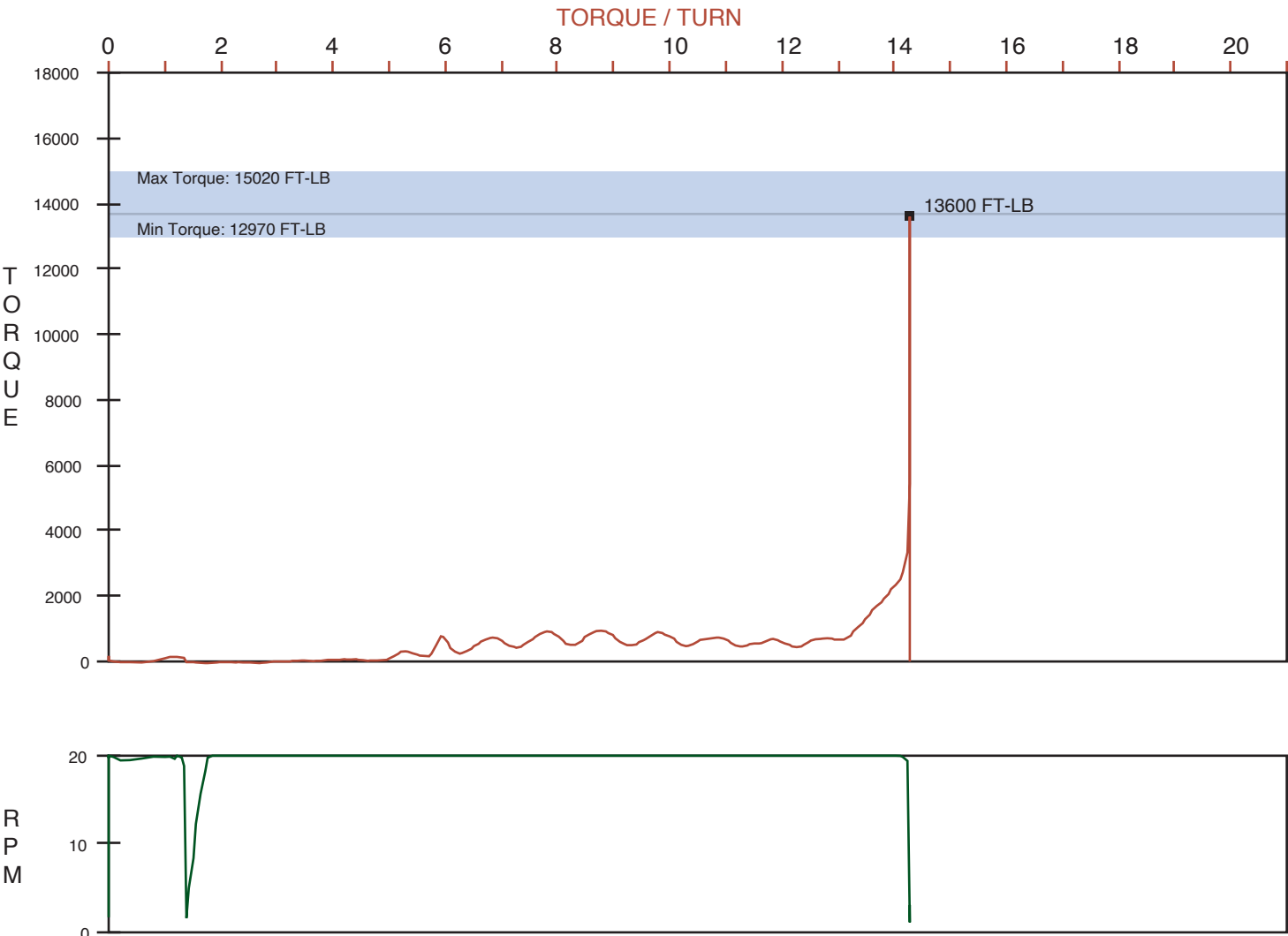
Joint #: 272

Count #: 272

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:52:27 PM	Heat/Lot#:	
Pipe Length:	37.854 ft		
Cumulative Length:	10179.032 ft		
Cumulative Weight:	233674.181 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13600 FT-LB
Final Turns:	14.28
Max RPM:	20.970
Delta Torque:	4270 FT-LB
Delta Turns:	0.020

Notes: joint 272



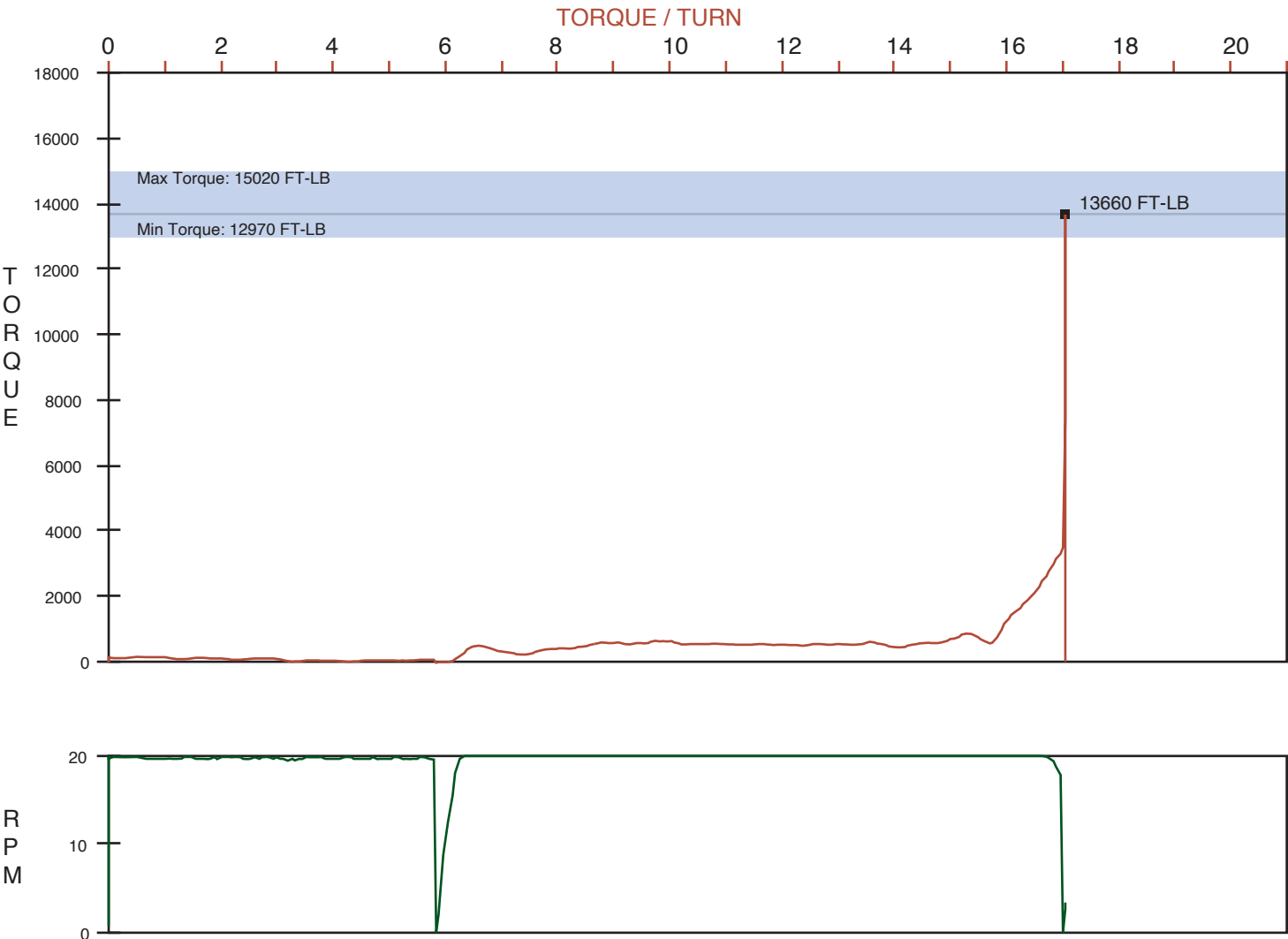
Joint #: 273

Count #: 273

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 1:57:09 PM	Heat/Lot#:	
Pipe Length:	37.871 ft		
Cumulative Length:	10216.903 ft		
Cumulative Weight:	234545.214 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13660 FT-LB
Final Turns:	17.057
Max RPM:	20.880
Delta Torque:	2570 FT-LB
Delta Turns:	0.011

Notes: joint 273





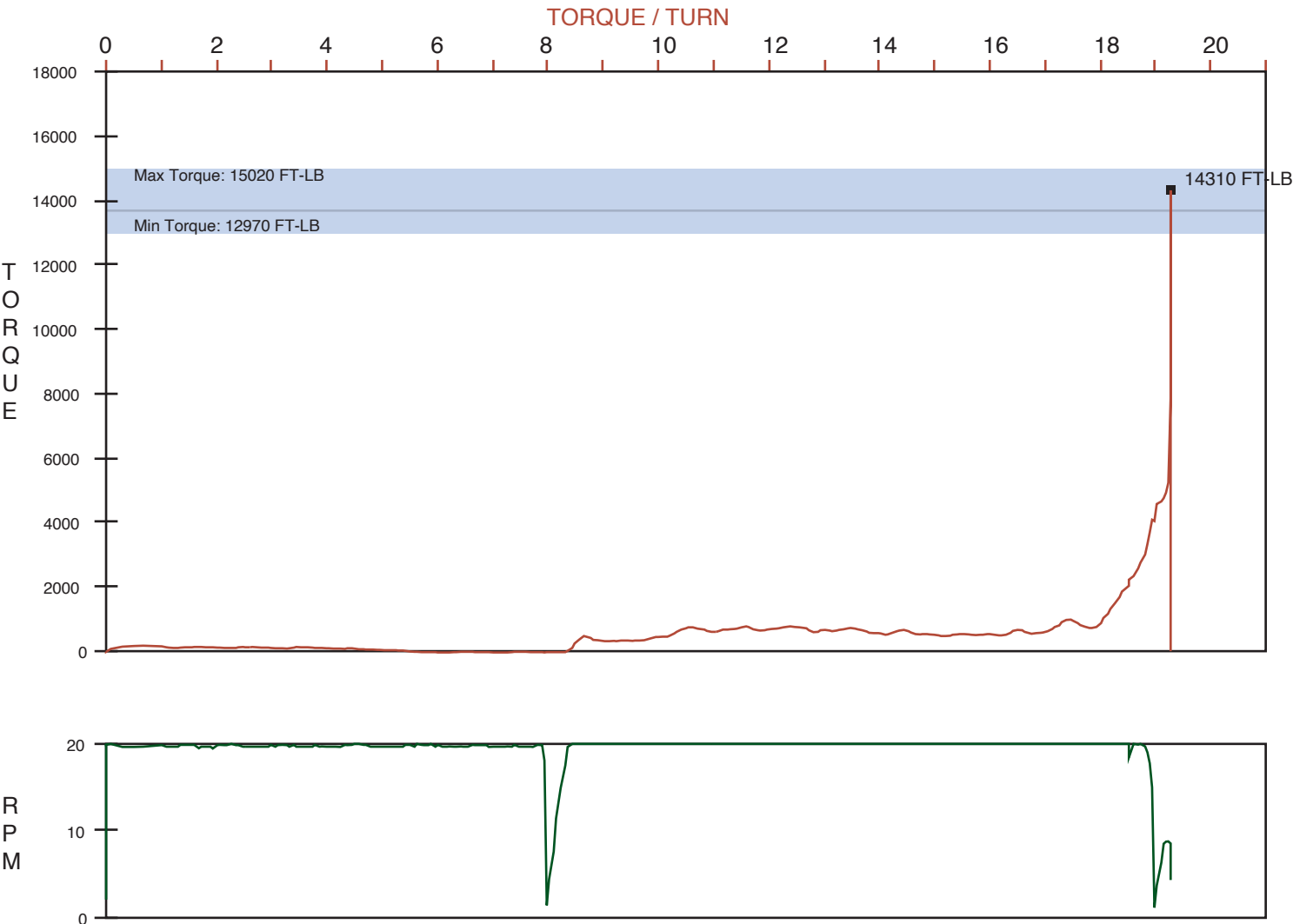
Joint #: 274

Count #: 274

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:00:47 PM	Heat/Lot#:	
Pipe Length:	35.443 ft		
Cumulative Length:	10252.346 ft		
Cumulative Weight:	235360.403 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14310 FT-LB
Final Turns:	19.294
Max RPM:	20.850
Delta Torque:	5270 FT-LB
Delta Turns:	0.034

Notes: joint 274

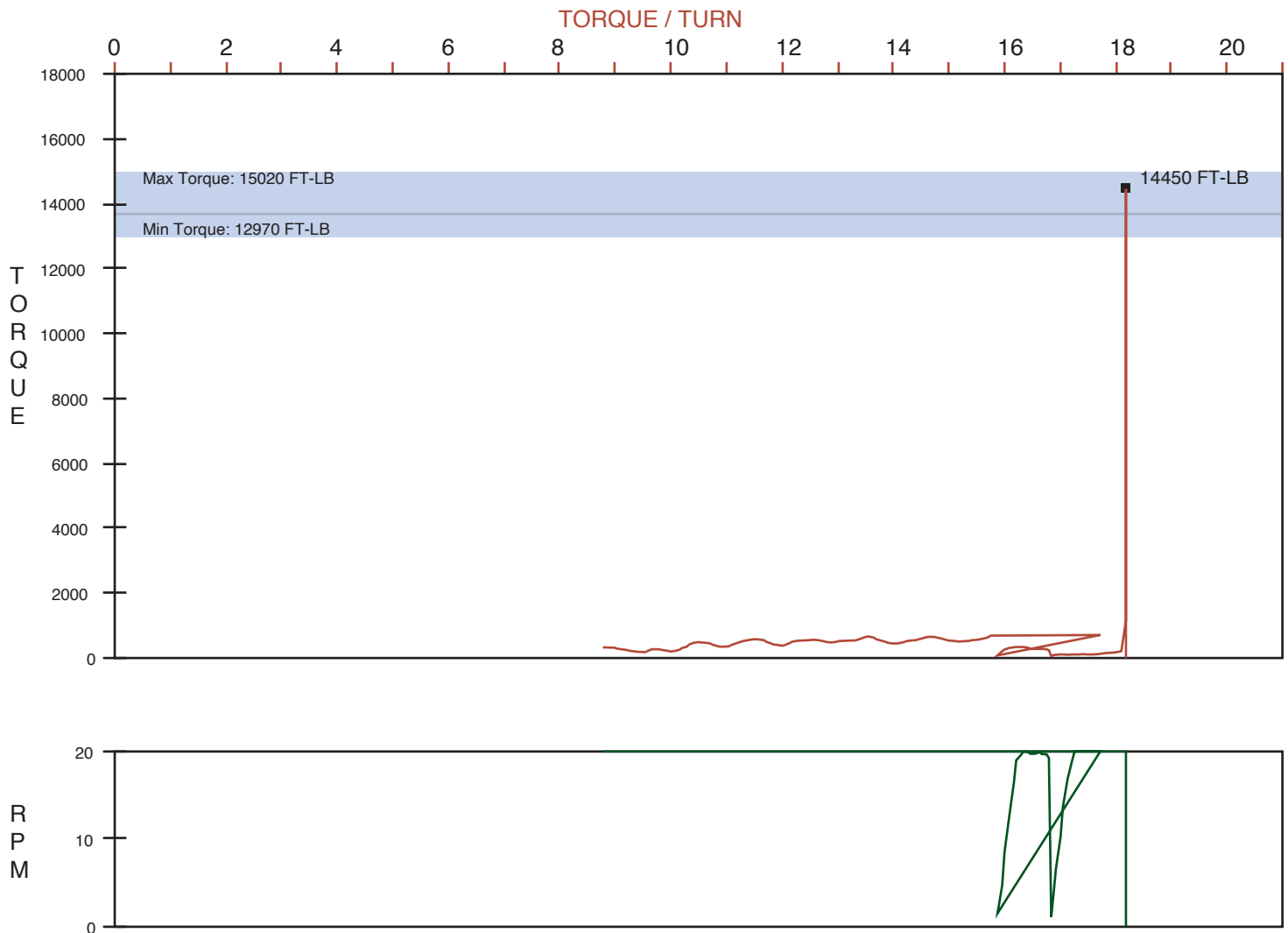


**Joint #: 275****Count #: 275**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:06:33 PM**

Heat/Lot#:

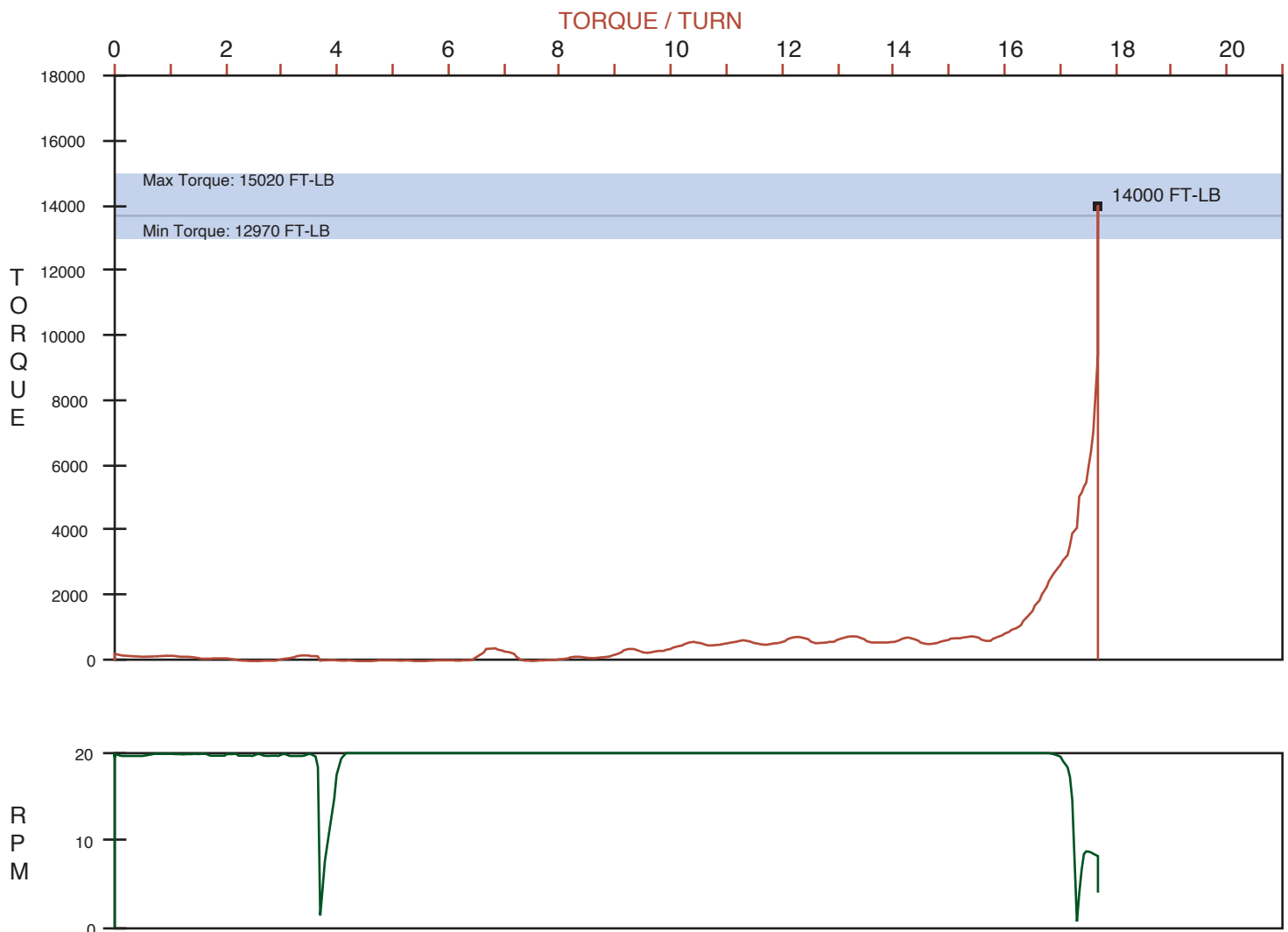
Pipe Length: **37.867 ft**Cumulative Length: **10290.213 ft**Cumulative Weight: **236231.344 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14450 FT-LB**Final Turns: **18.175**Max RPM: **21**Delta Torque: **0 FT-LB**Delta Turns: **0**Notes: **joint 275**

**Joint #: 276****Count #: 276**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:10:17 PM**

Heat/Lot#:

Pipe Length: **36.207 ft**Cumulative Length: **10326.420 ft**Cumulative Weight: **237064.105 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14000 FT-LB**Final Turns: **17.671**Max RPM: **21**Delta Torque: **6260 FT-LB**Delta Turns: **0.068**Notes: **joint 276**

**Joint #: 277****Count #: 277**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:13:53 PM	Heat/Lot#:	
Pipe Length:	37.867 ft		
Cumulative Length:	10364.287 ft		
Cumulative Weight:	237935.046 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 14060 FT-LB

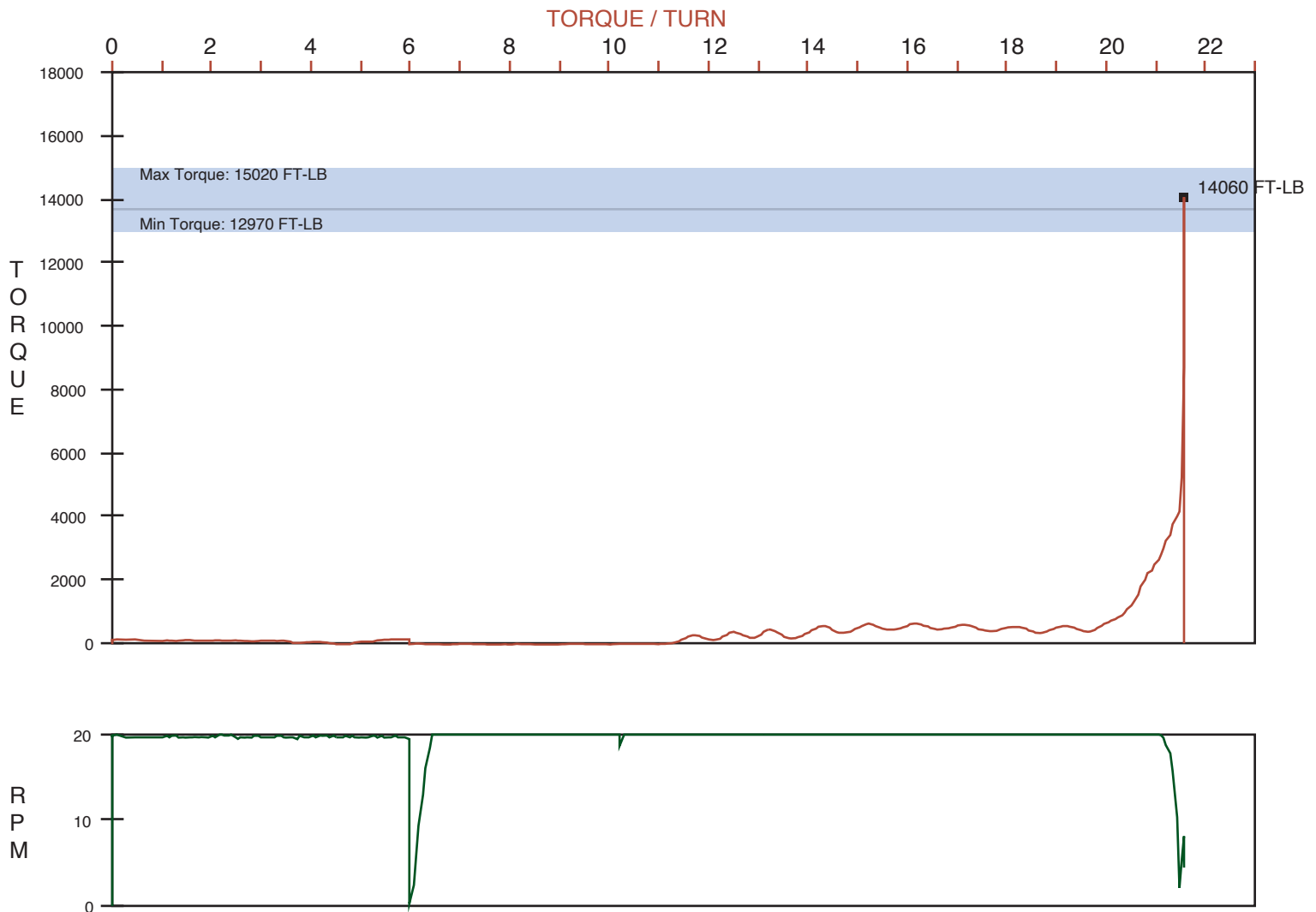
Final Turns: 21.576

Max RPM: 22.620

Delta Torque: 7380 FT-LB

Delta Turns: 0.075

Notes: joint 277



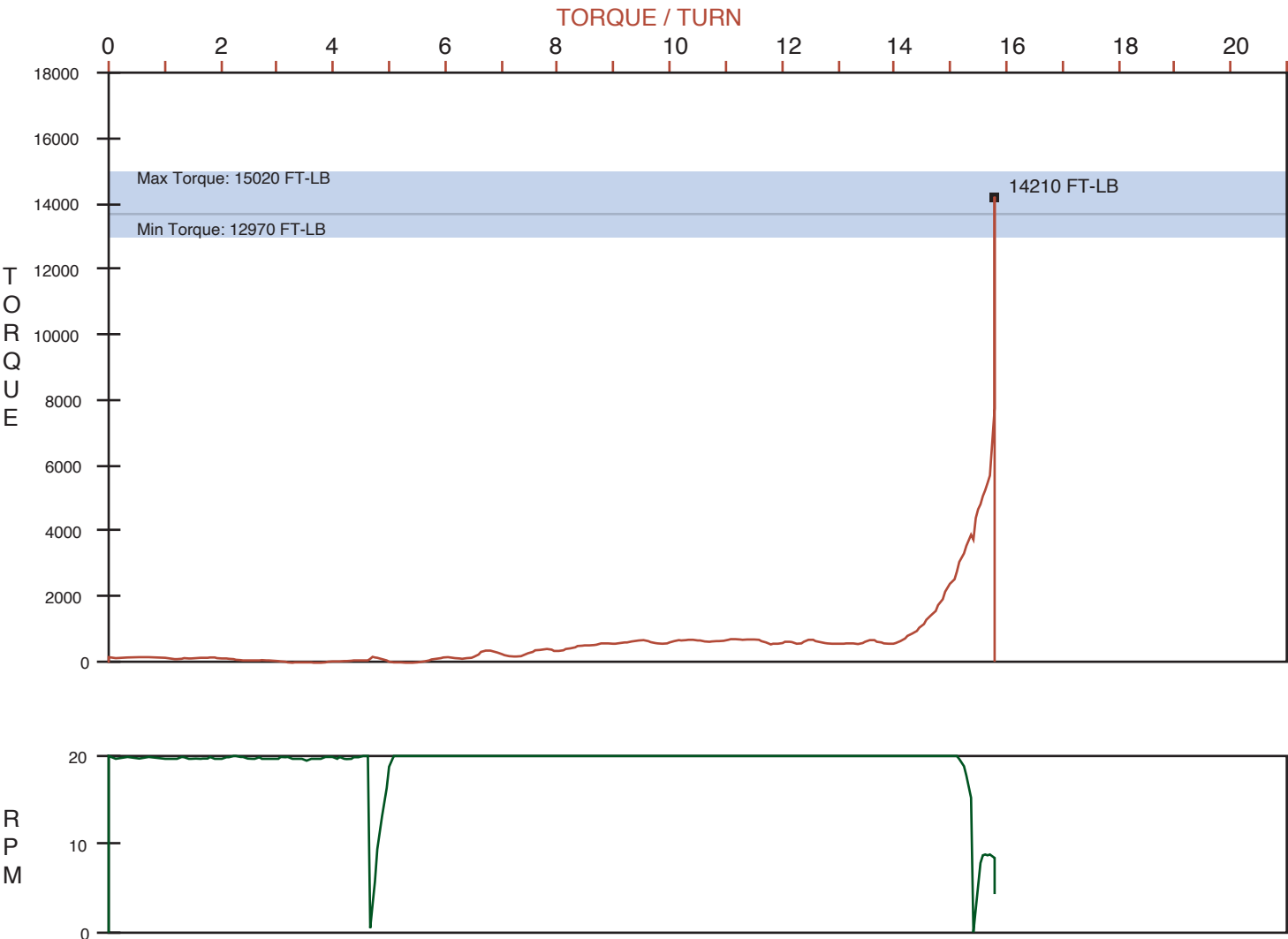
Joint #: 278

Count #: 278

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:16:47 PM	Heat/Lot#:	
Pipe Length:	37.818 ft		
Cumulative Length:	10402.105 ft		
Cumulative Weight:	238804.860 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14210 FT-LB
Final Turns:	15.771
Max RPM:	20.850
Delta Torque:	3040 FT-LB
Delta Turns:	0.011

Notes: joint 278



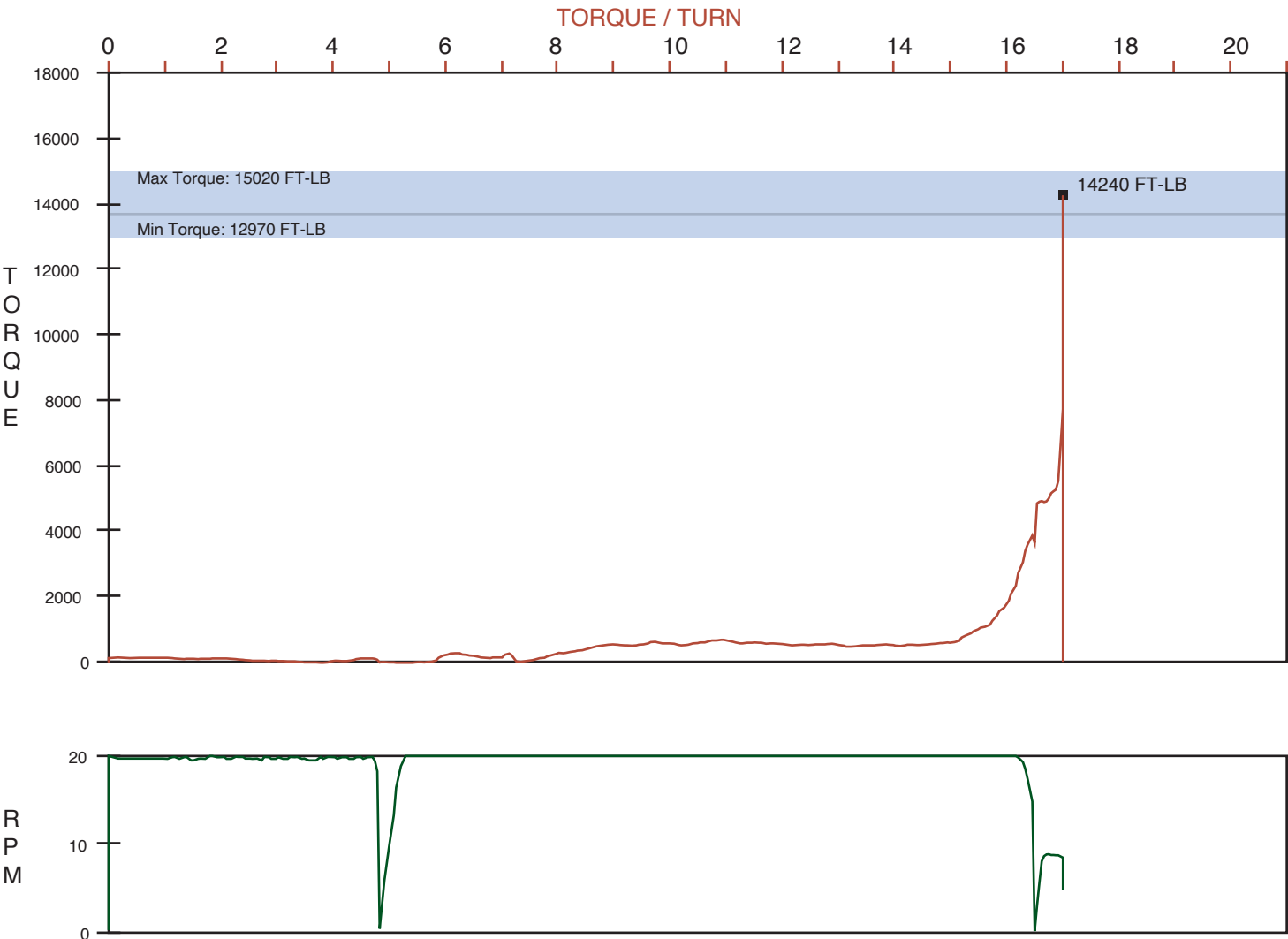
Joint #: 279

Count #: 279

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:20:37 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	10439.966 ft		
Cumulative Weight:	239675.663 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14240 FT-LB
Final Turns:	17.004
Max RPM:	20.940
Delta Torque:	3740 FT-LB
Delta Turns:	0.017

Notes: joint 279

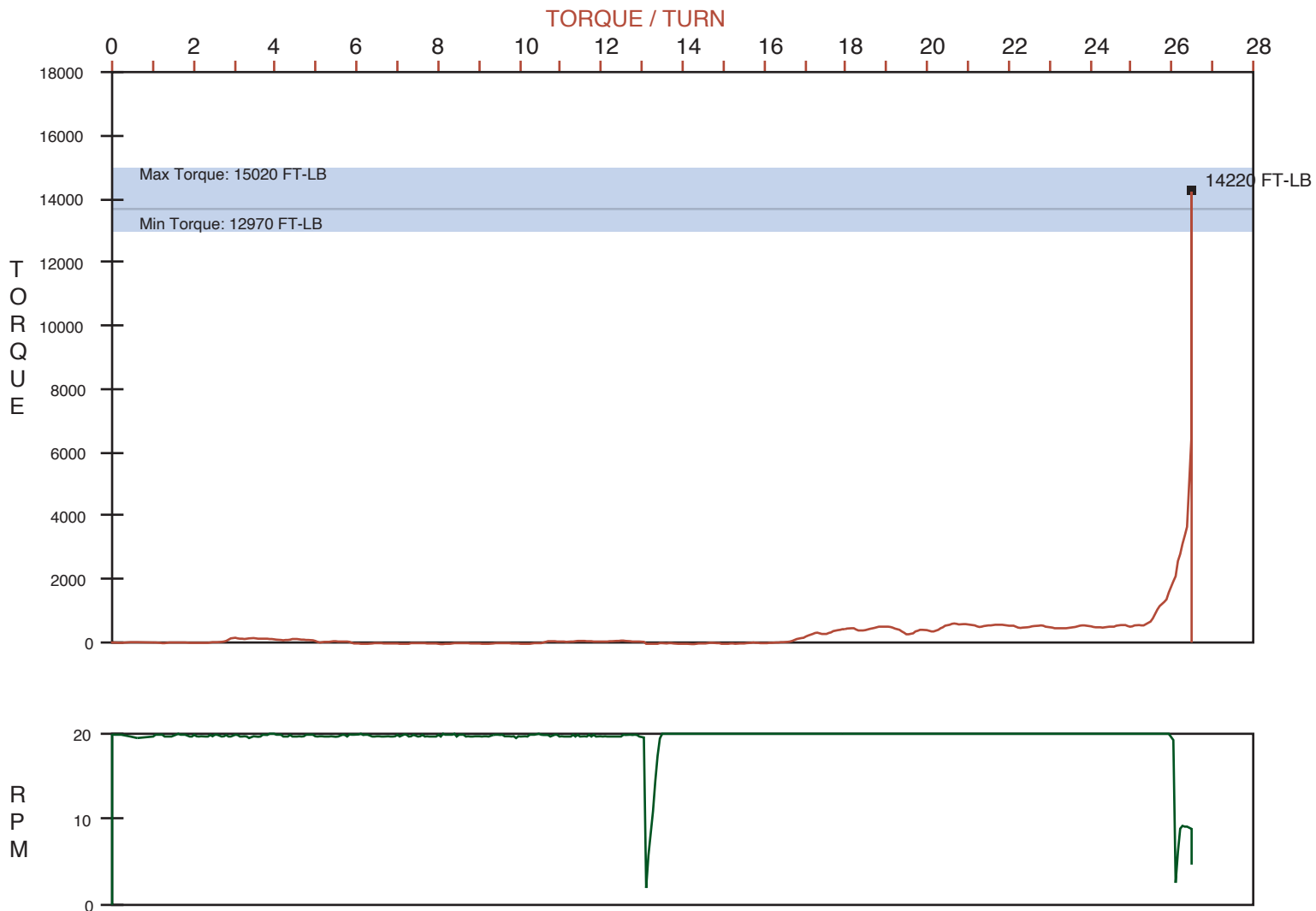


**Joint #: 280****Count #: 280**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:23:59 PM**

Heat/Lot#:

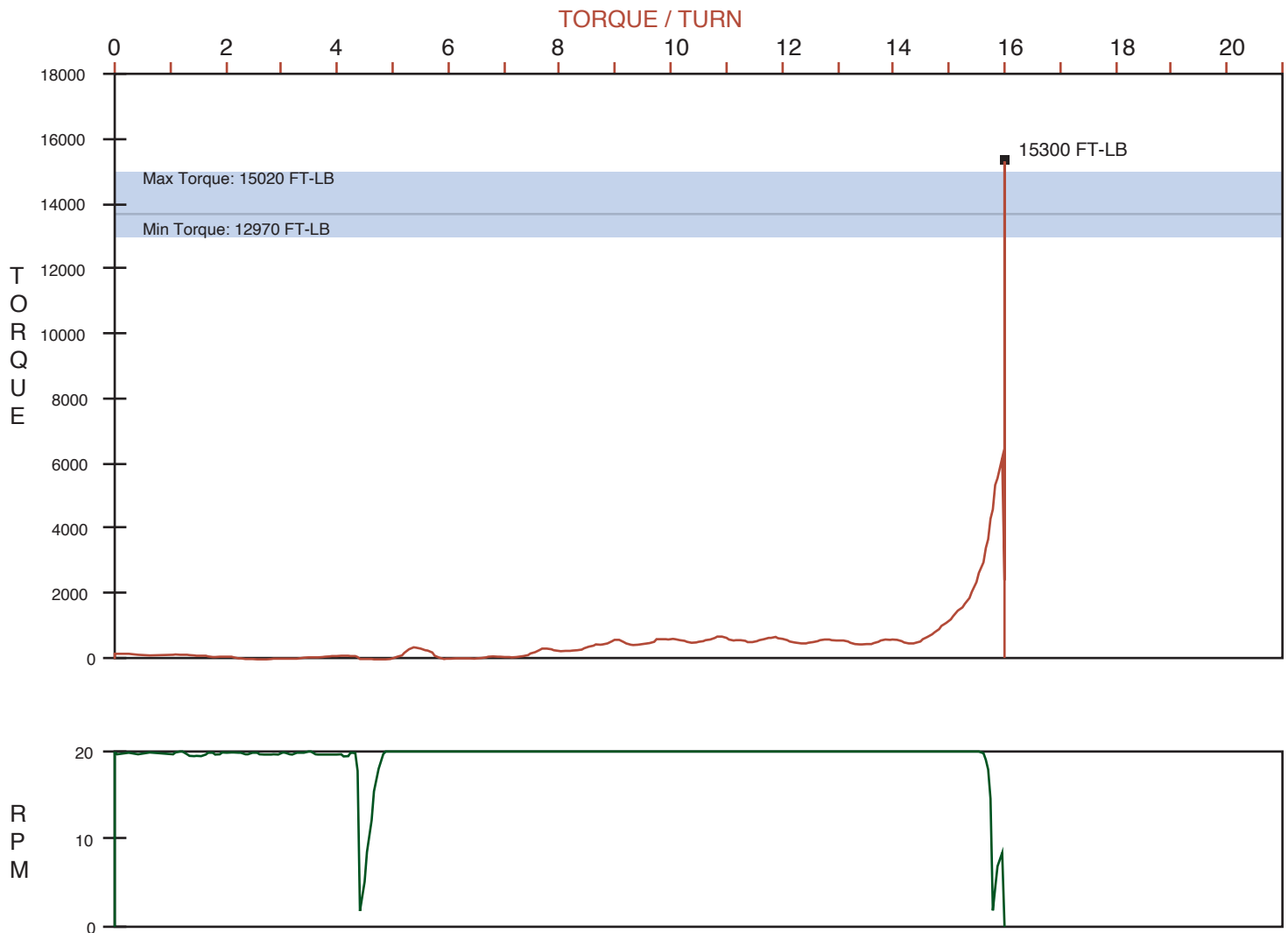
Pipe Length: **34.944 ft**Cumulative Length: **10474.910 ft**Cumulative Weight: **240479.375 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14220 FT-LB**Final Turns: **26.476**Max RPM: **21.870**Delta Torque: **7630 FT-LB**Delta Turns: **0.065**Notes: **joint 280**

**Joint #: 281****Count #: 281**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:27:56 PM**

Heat/Lot#:

Pipe Length: **37.861 ft**Cumulative Length: **10512.771 ft**Cumulative Weight: **241350.178 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **15300 FT-LB**Final Turns: **16.001**Max RPM: **20.940**Delta Torque: **0 FT-LB**Delta Turns: **0**Notes: **joint 281**

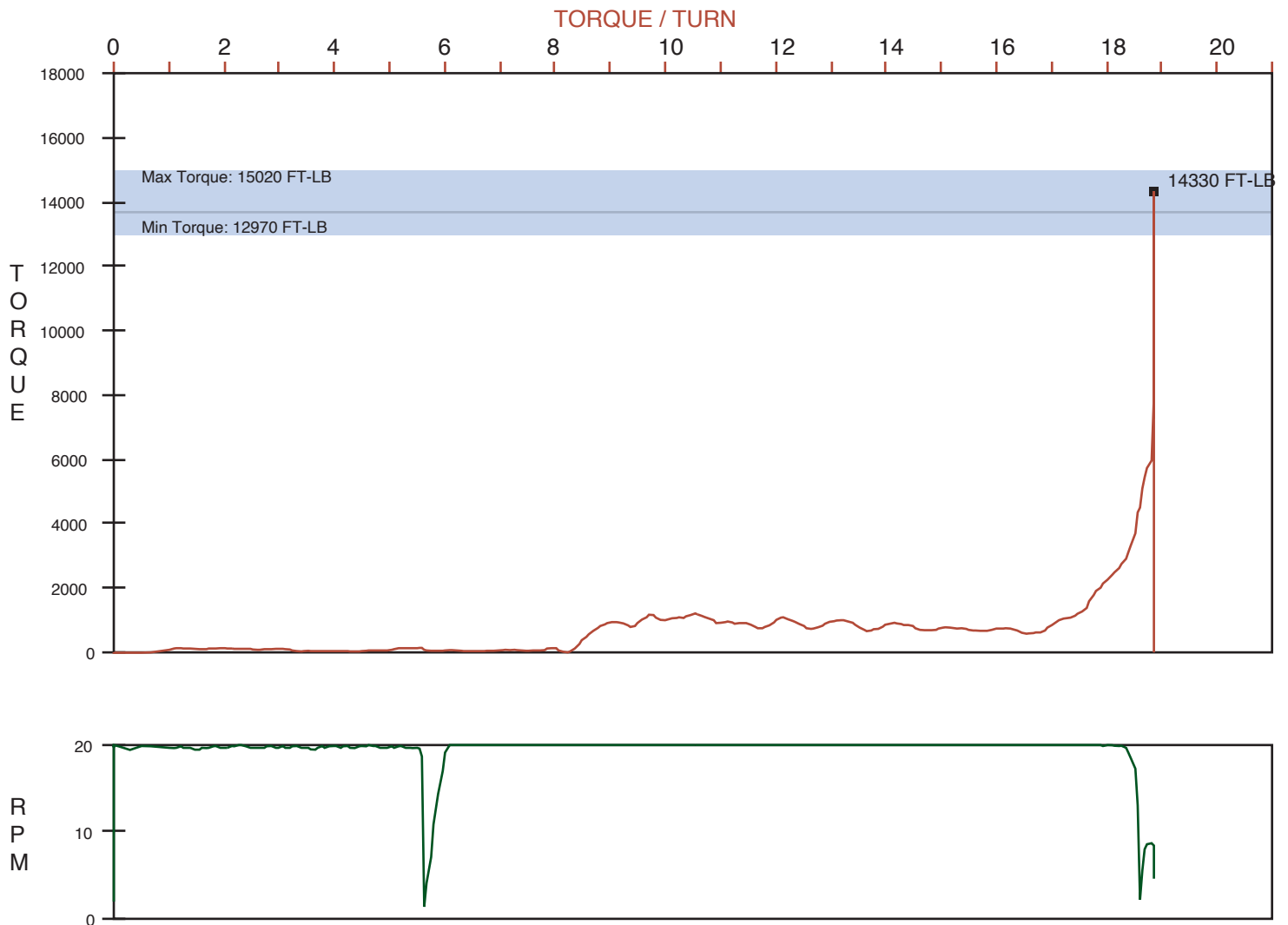


**Joint #: 282****Count #: 282**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:31:16 PM**

Heat/Lot#:

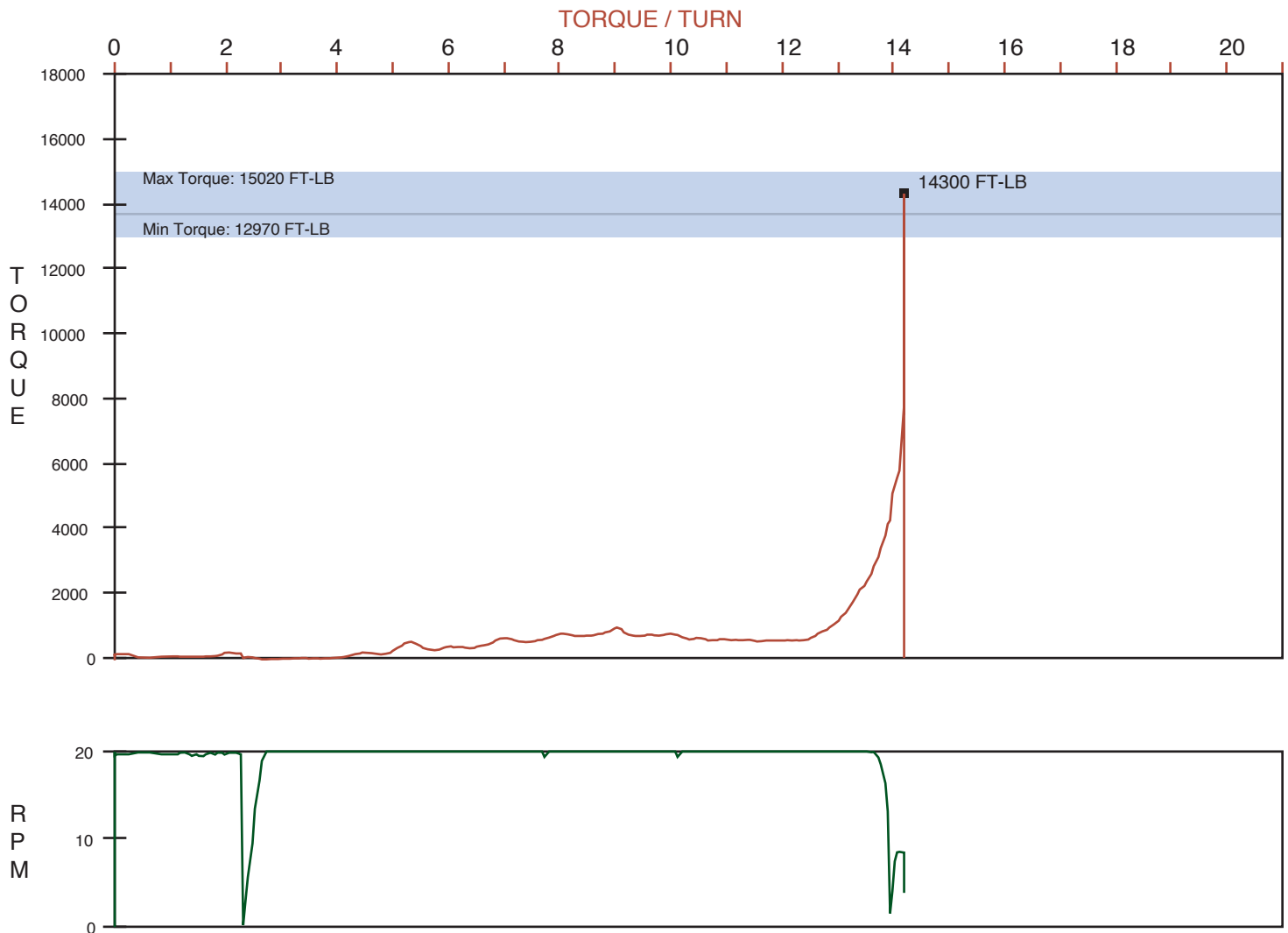
Pipe Length: **34.570 ft**Cumulative Length: **10547.341 ft**Cumulative Weight: **242145.288 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14330 FT-LB**Final Turns: **18.864**Max RPM: **20.820**Delta Torque: **3460 FT-LB**Delta Turns: **0.015**Notes: **joint 282**

**Joint #: 283****Count #: 283**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:34:14 PM**

Heat/Lot#:

Pipe Length: **37.861 ft**Cumulative Length: **10585.202 ft**Cumulative Weight: **243016.091 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14300 FT-LB**Final Turns: **14.189**Max RPM: **21.780**Delta Torque: **5880 FT-LB**Delta Turns: **0.037**Notes: **joint 283**

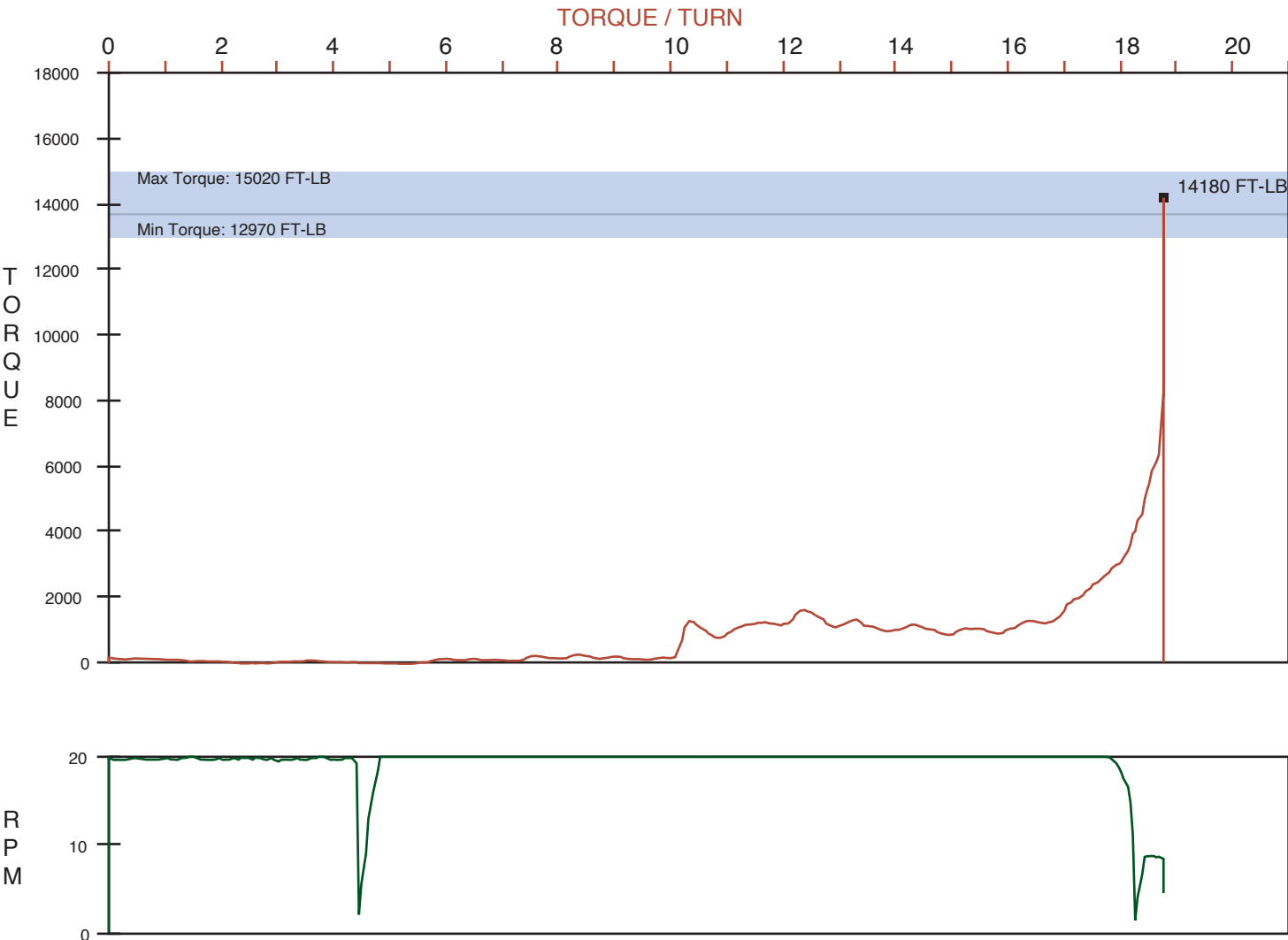
**Joint #: 284**

**Count #: 284**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:37:31 PM	Heat/Lot#:	
Pipe Length:	34.990 ft		
Cumulative Length:	10620.192 ft		
Cumulative Weight:	243820.861 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque:	14180 FT-LB
Final Turns:	18.771
Max RPM:	20.970
Delta Torque:	3030 FT-LB
Delta Turns:	0.014

Notes: joint 284



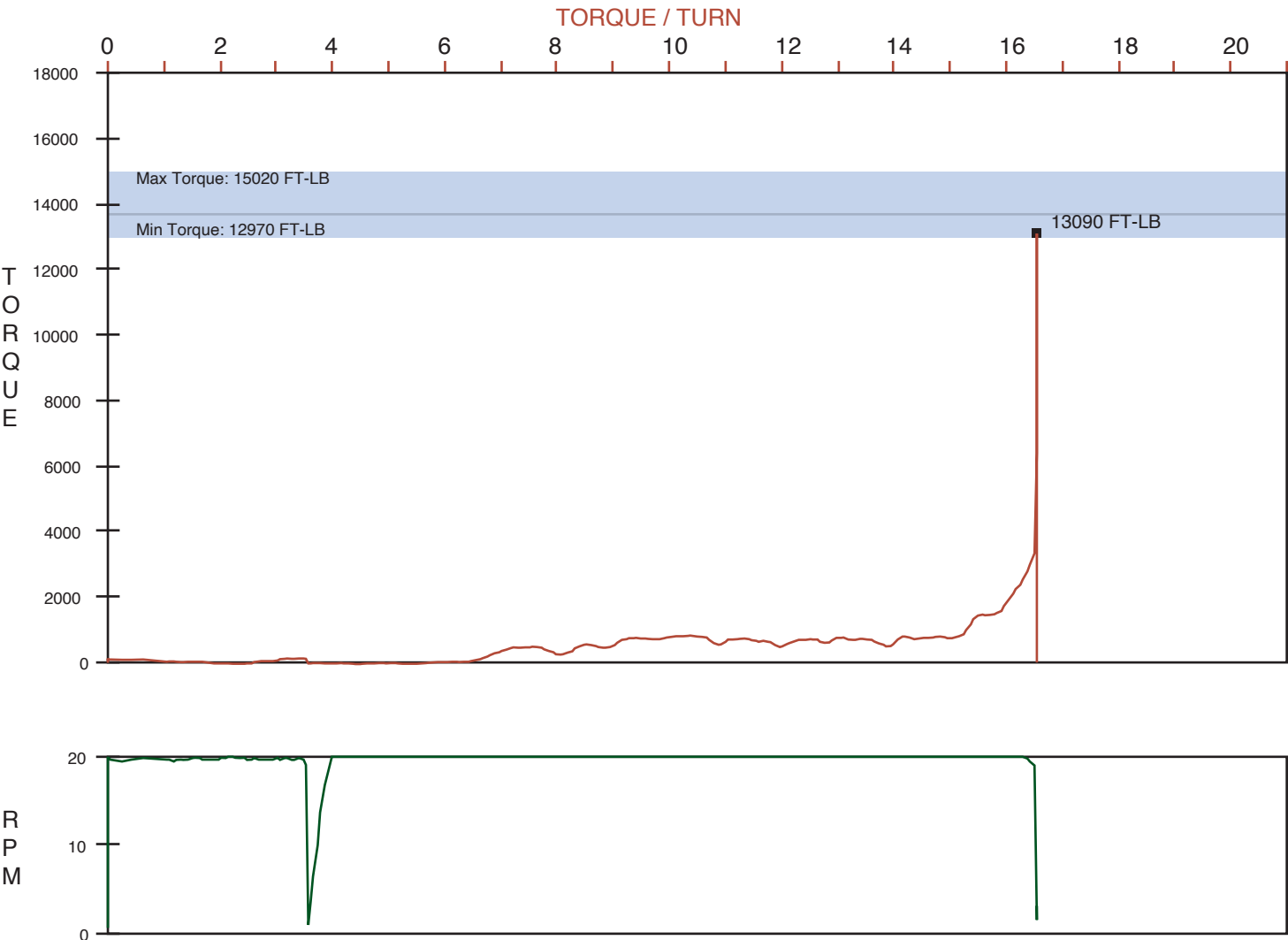
Joint #: 285

Count #: 285

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:41:09 PM	Heat/Lot#:	
Pipe Length:	37.851 ft		
Cumulative Length:	10658.043 ft		
Cumulative Weight:	244691.434 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13090 FT-LB
Final Turns:	16.564
Max RPM:	20.880
Delta Torque:	4340 FT-LB
Delta Turns:	0.021

Notes: joint 285



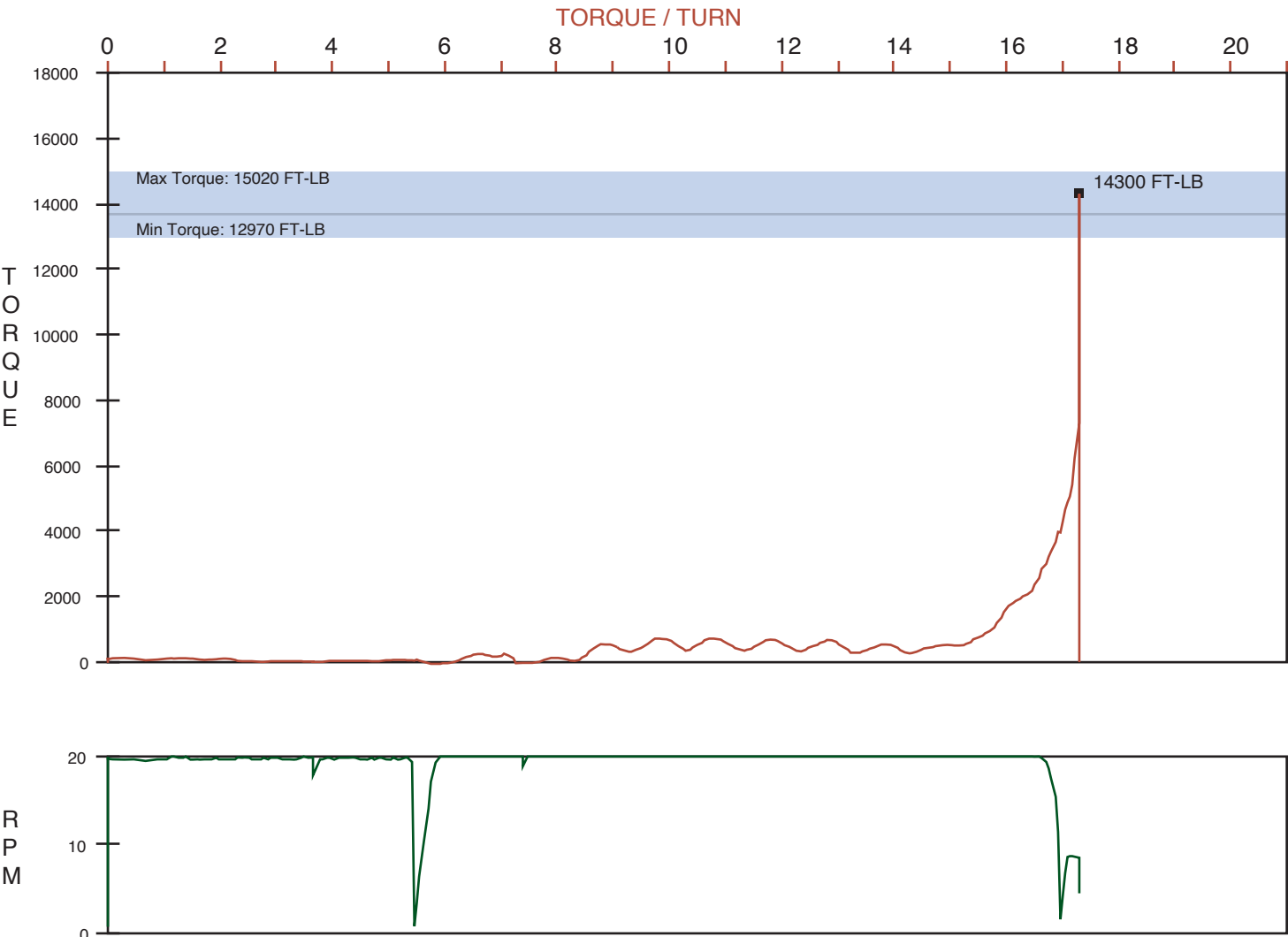
Joint #: 286

Count #: 286

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:44:52 PM	Heat/Lot#:	
Pipe Length:	34.793 ft		
Cumulative Length:	10692.836 ft		
Cumulative Weight:	245491.673 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14300 FT-LB
Final Turns:	17.296
Max RPM:	22.590
Delta Torque:	3620 FT-LB
Delta Turns:	0.012

Notes: joint 286

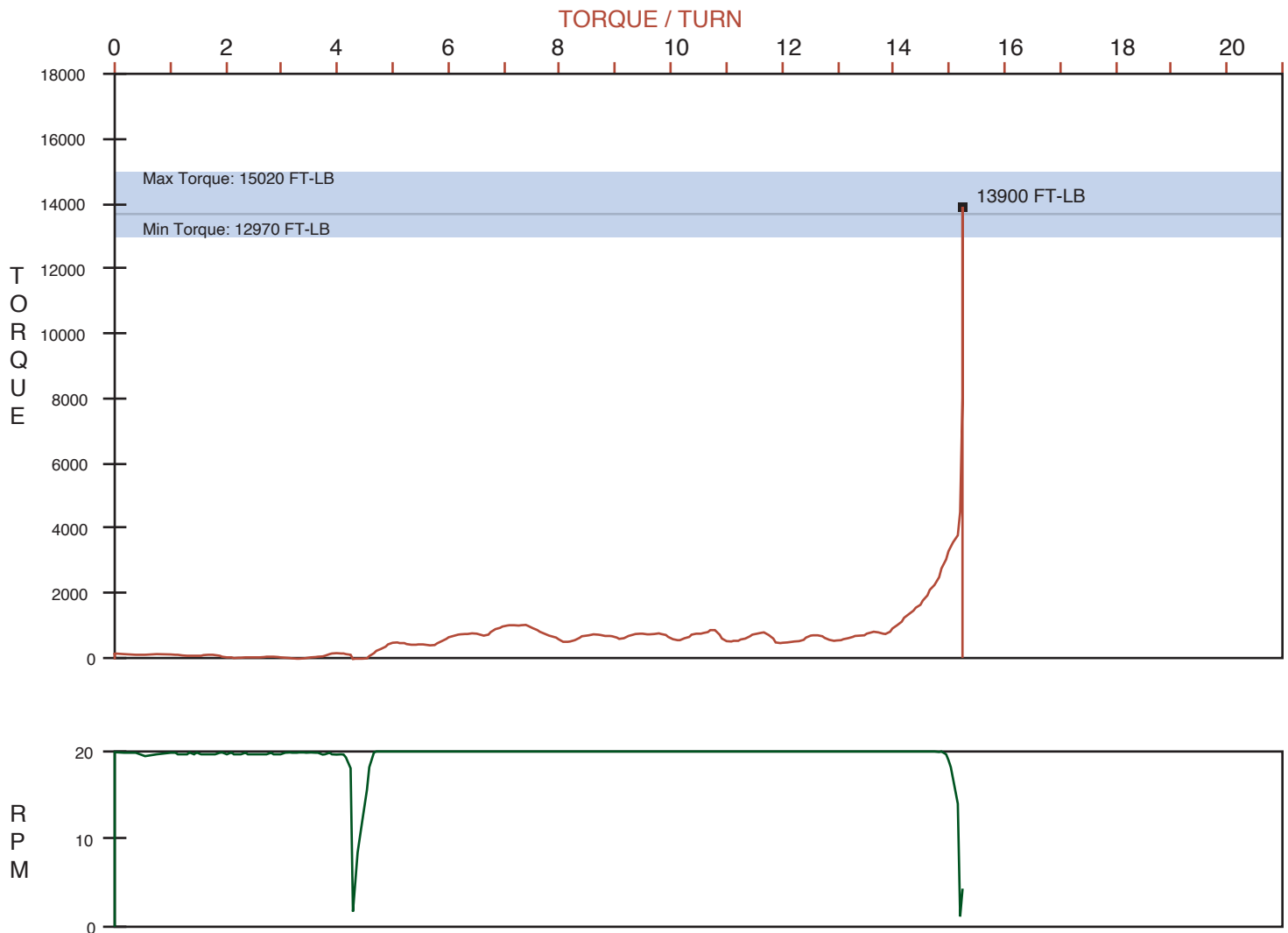


**Joint #: 287****Count #: 287**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:48:20 PM**

Heat/Lot#:

Pipe Length: **37.864 ft**Cumulative Length: **10730.700 ft**Cumulative Weight: **246362.545 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13900 FT-LB**Final Turns: **15.252**Max RPM: **20.850**Delta Torque: **8180 FT-LB**Delta Turns: **0.072**Notes: **joint 287**

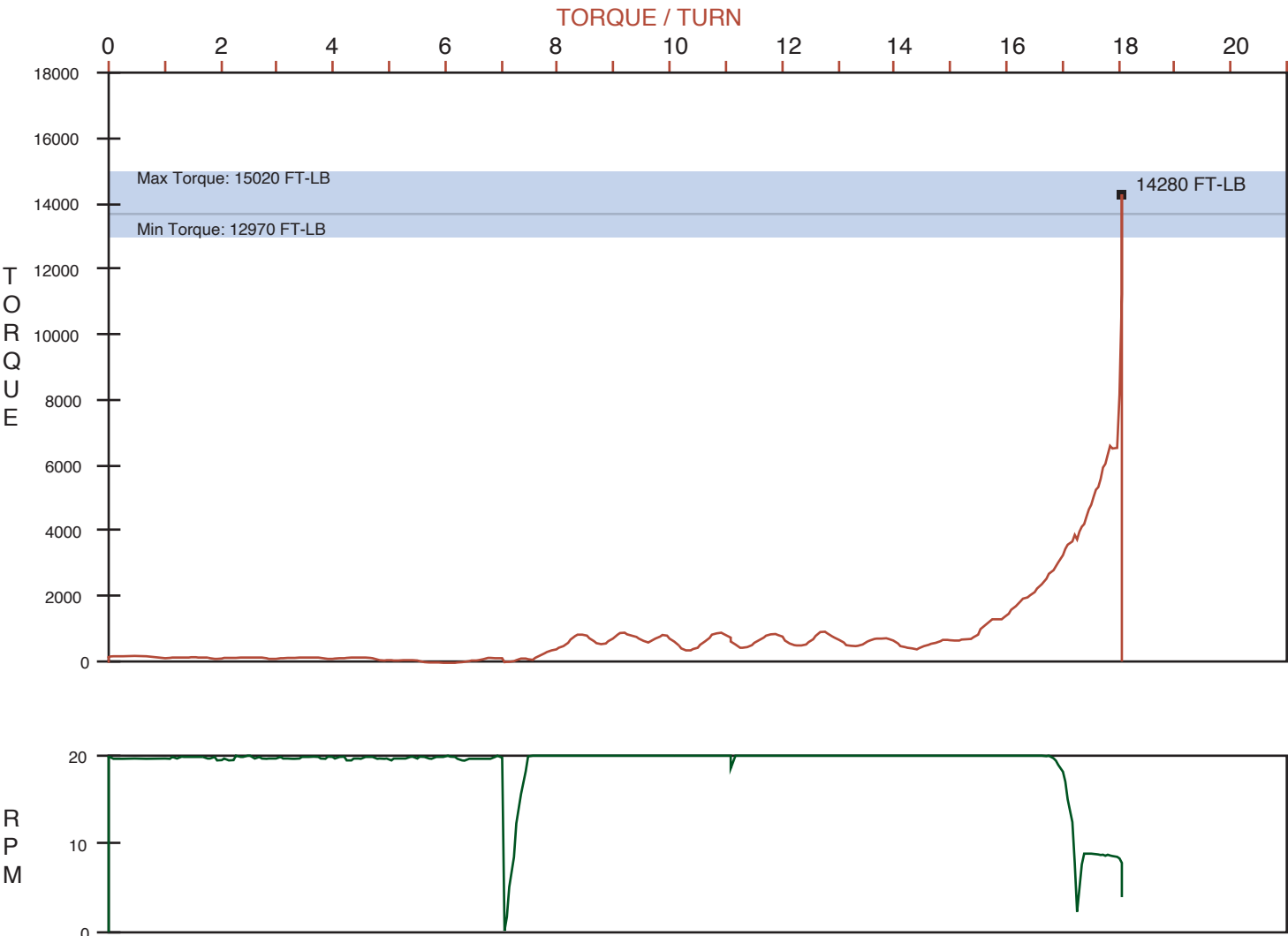
Joint #: 288

Count #: 288

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:51:32 PM	Heat/Lot#:	
Pipe Length:	37.881 ft		
Cumulative Length:	10768.581 ft		
Cumulative Weight:	247233.808 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14280 FT-LB
Final Turns:	18.075
Max RPM:	22.710
Delta Torque:	5310 FT-LB
Delta Turns:	0.091

Notes: joint 288



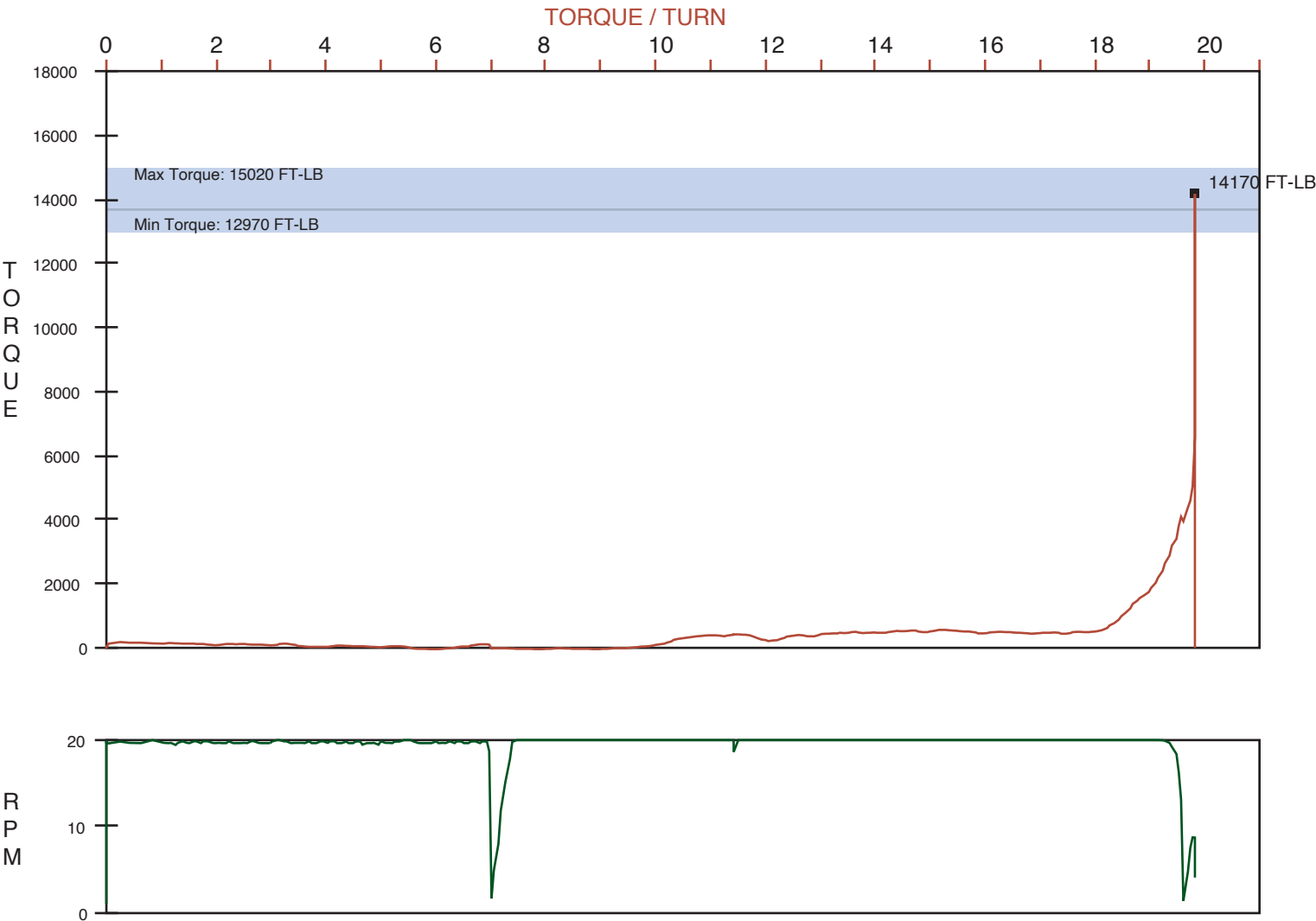
Joint #: 289

Count #: 289

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 2:55:22 PM	Heat/Lot#:	
Pipe Length:	37.861 ft		
Cumulative Length:	10806.442 ft		
Cumulative Weight:	248104.611 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14170 FT-LB
Final Turns:	19.834
Max RPM:	22.320
Delta Torque:	6620 FT-LB
Delta Turns:	0.042

Notes: joint 289



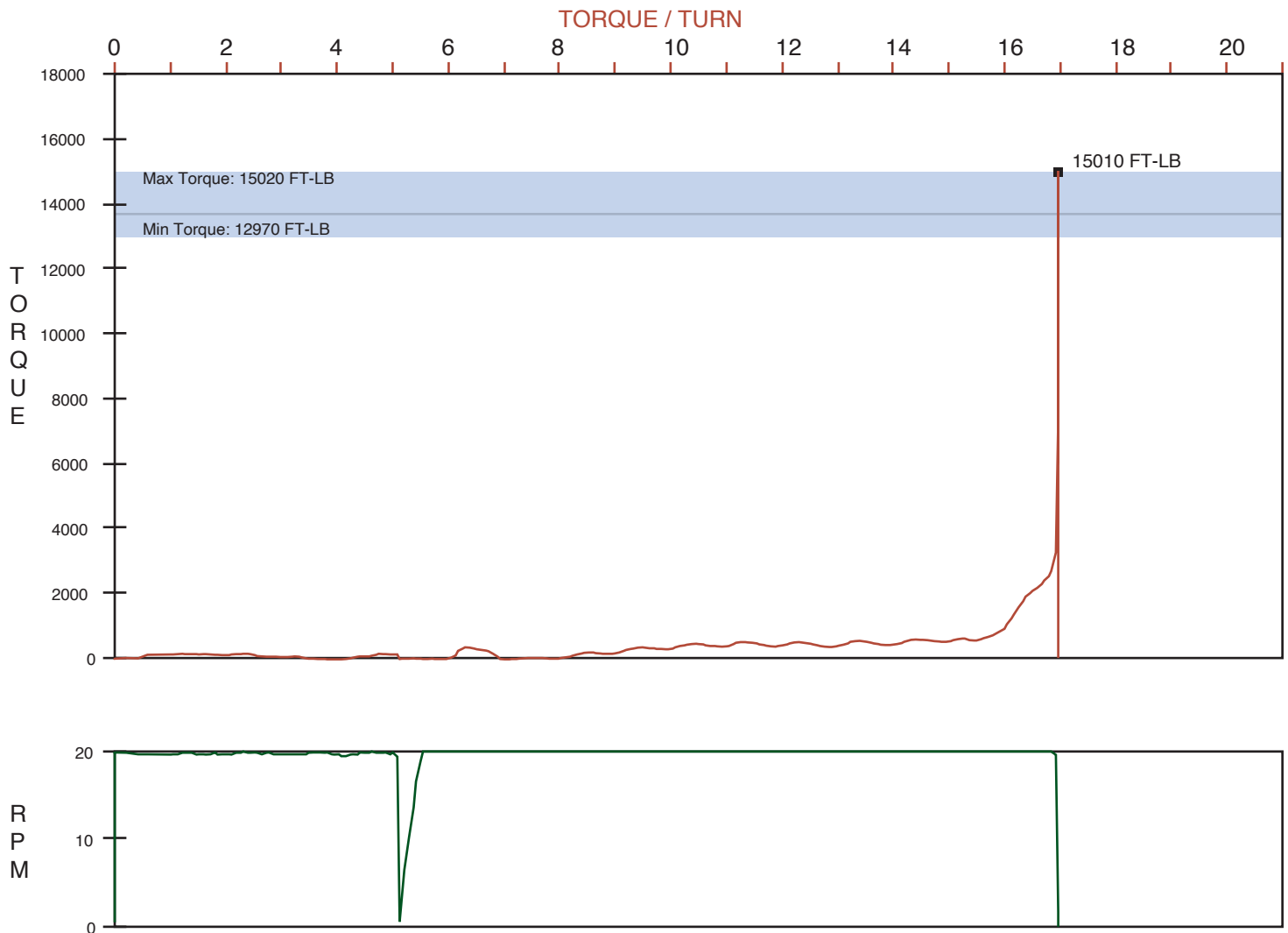


**Joint #: 290****Count #: 290**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 2:59:32 PM**

Heat/Lot#:

Pipe Length: **34.944 ft**Cumulative Length: **10841.386 ft**Cumulative Weight: **248908.323 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **15010 FT-LB**Final Turns: **16.984**Max RPM: **20.970**Delta Torque: **0 FT-LB**Delta Turns: **0**Notes: **joint 290**

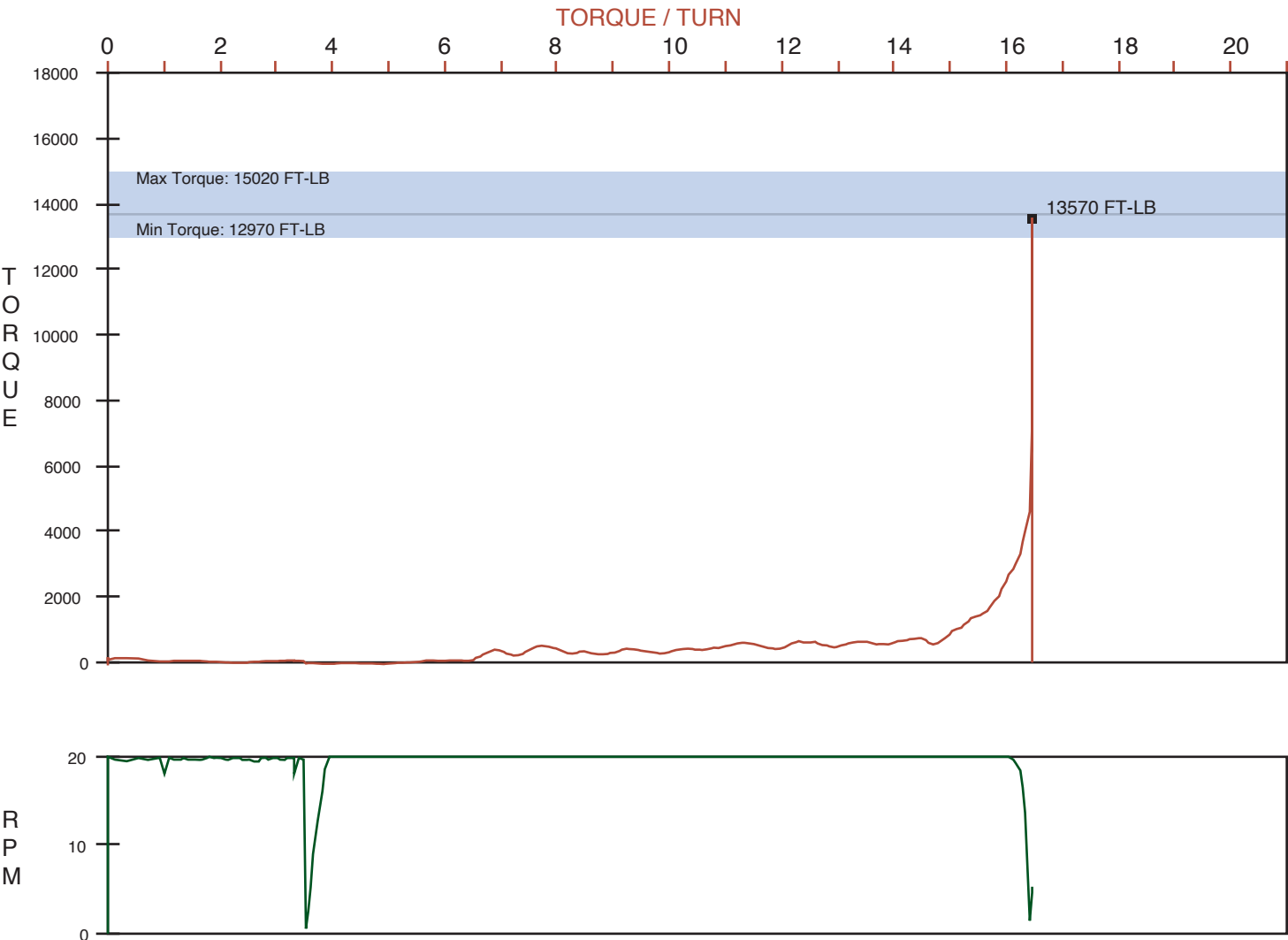
Joint #: 291

Count #: 291

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:02:55 PM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	10879.244 ft		
Cumulative Weight:	249779.057 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13570 FT-LB
Final Turns:	16.465
Max RPM:	21.450
Delta Torque:	2550 FT-LB
Delta Turns:	0.013

Notes: joint 291

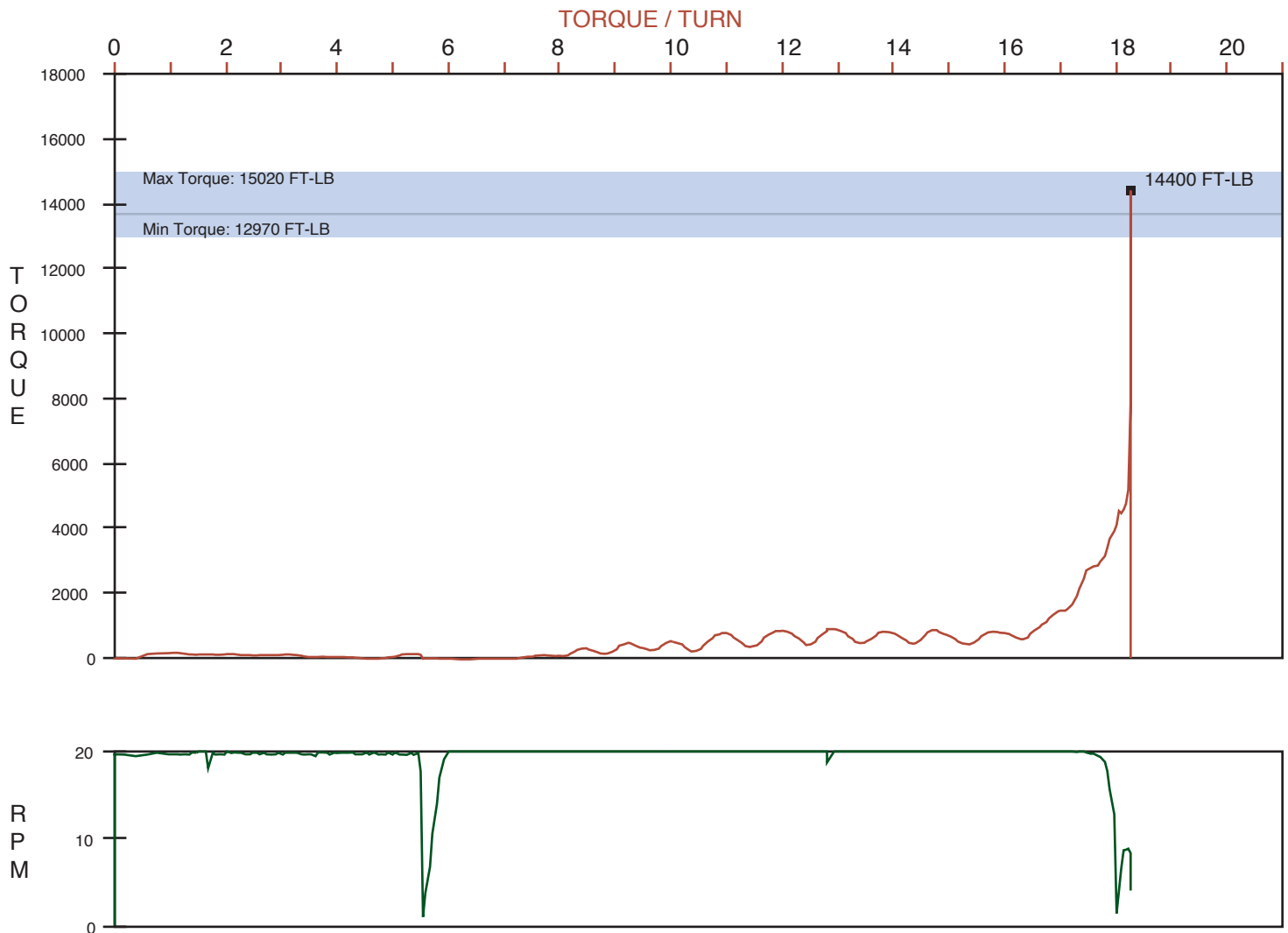


**Joint #: 292****Count #: 292**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:06:11 PM**

Heat/Lot#:

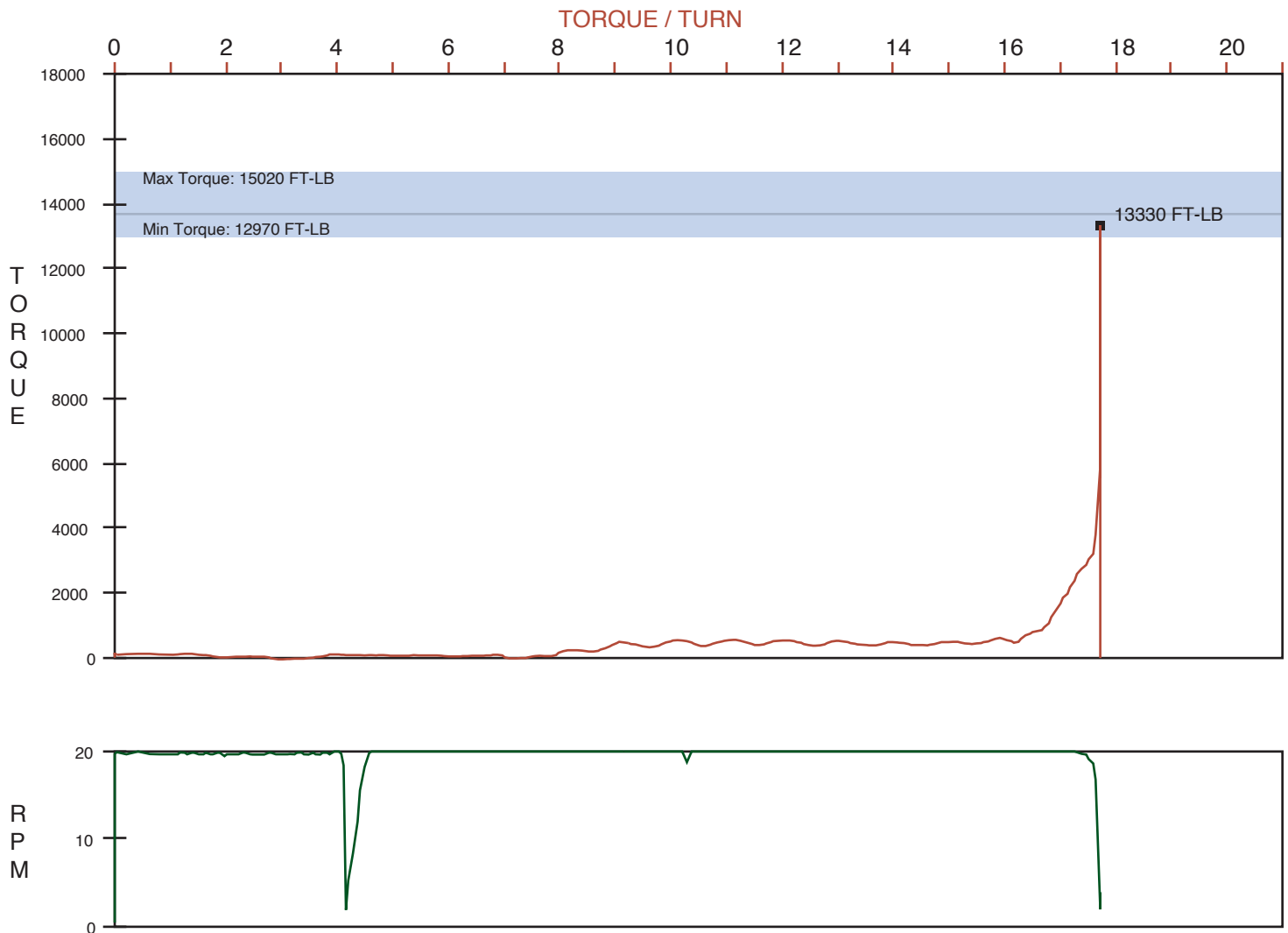
Pipe Length: **34.531 ft**Cumulative Length: **10913.775 ft**Cumulative Weight: **250573.270 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14400 FT-LB**Final Turns: **18.29**Max RPM: **22.440**Delta Torque: **7620 FT-LB**Delta Turns: **0.055**Notes: **joint 292**

**Joint #: 293****Count #: 293**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:09:05 PM	Heat/Lot#:	
Pipe Length:	37.543 ft		
Cumulative Length:	10951.318 ft		
Cumulative Weight:	251436.759 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

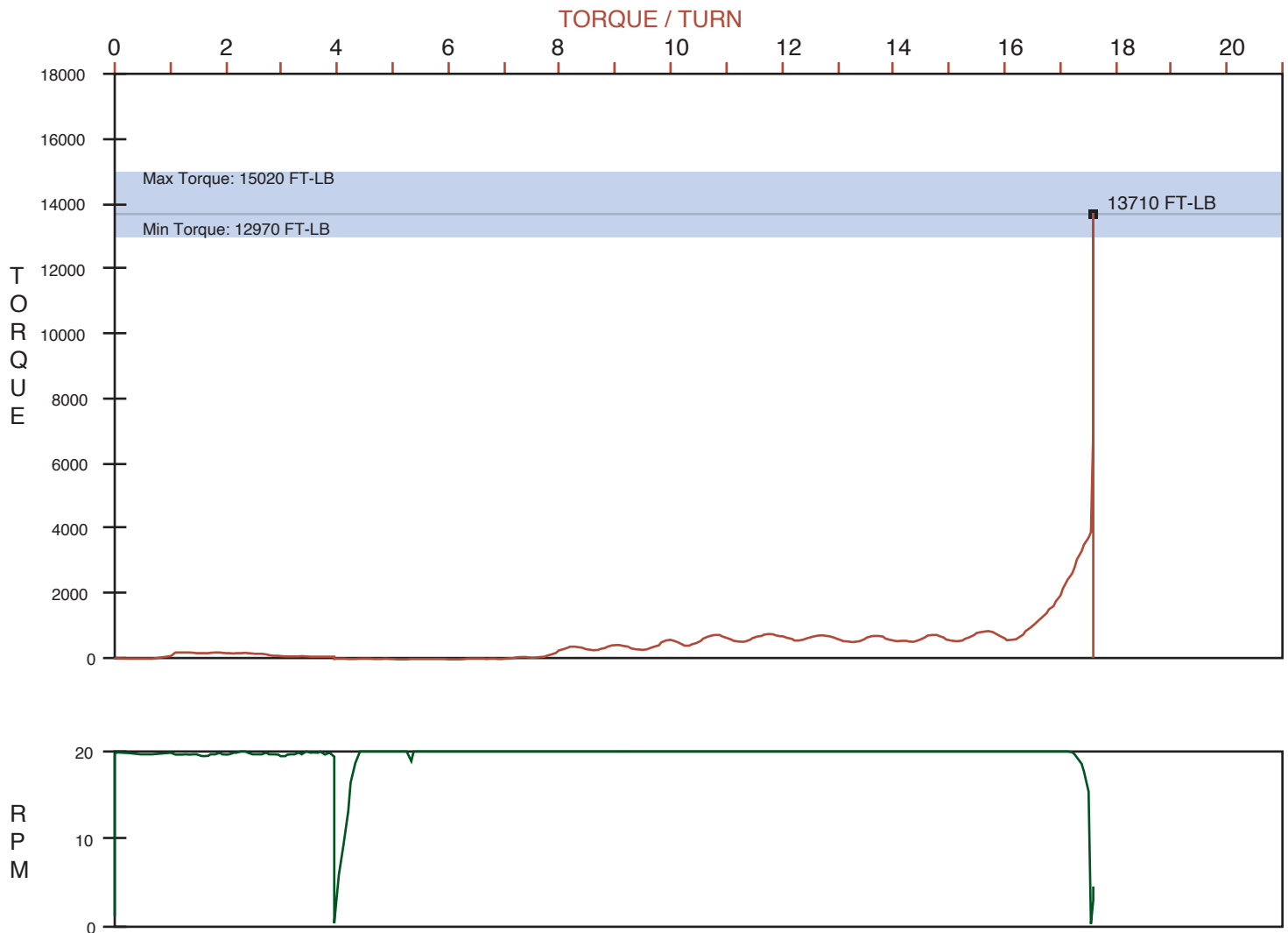
■ Final Torque:	13330 FT-LB
Final Turns:	17.704
Max RPM:	22.530
Delta Torque:	8960 FT-LB
Delta Turns:	0.086

Notes: joint 293



**Joint #: 294****Count #: 294**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:12:10 PM	Heat/Lot#:	
Pipe Length:	34.104 ft		
Cumulative Length:	10985.422 ft		
Cumulative Weight:	252221.151 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

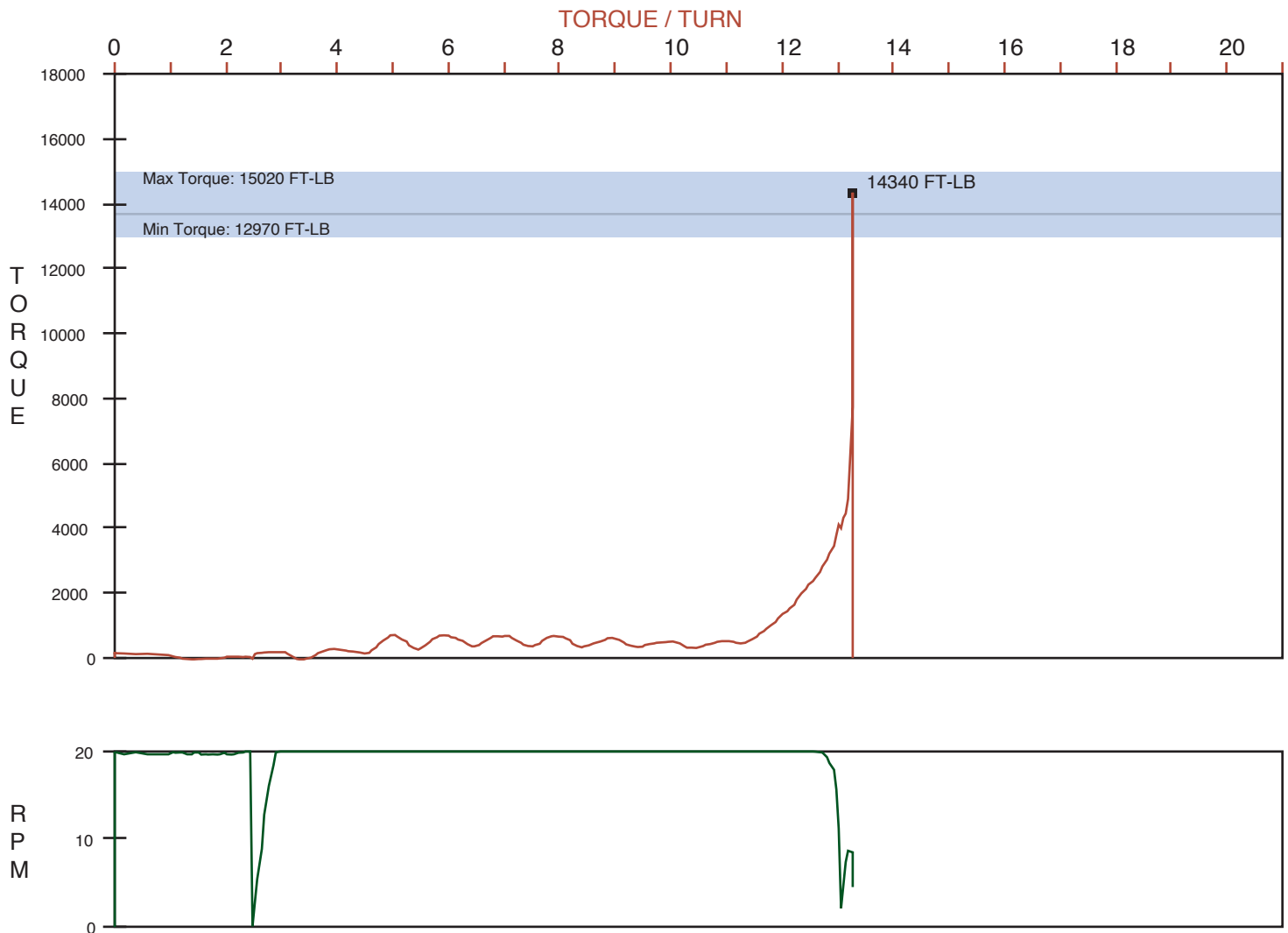
■ Final Torque: **13710 FT-LB**Final Turns: **17.608**Max RPM: **22.410**Delta Torque: **3220 FT-LB**Delta Turns: **0.015**Notes: **joint 294**

**Joint #: 295****Count #: 295**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:15:13 PM**

Heat/Lot#:

Pipe Length: **37.615 ft**Cumulative Length: **11023.037 ft**Cumulative Weight: **253086.296 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14340 FT-LB**Final Turns: **13.264**Max RPM: **21.690**Delta Torque: **3400 FT-LB**Delta Turns: **0.013**Notes: **joint 295**

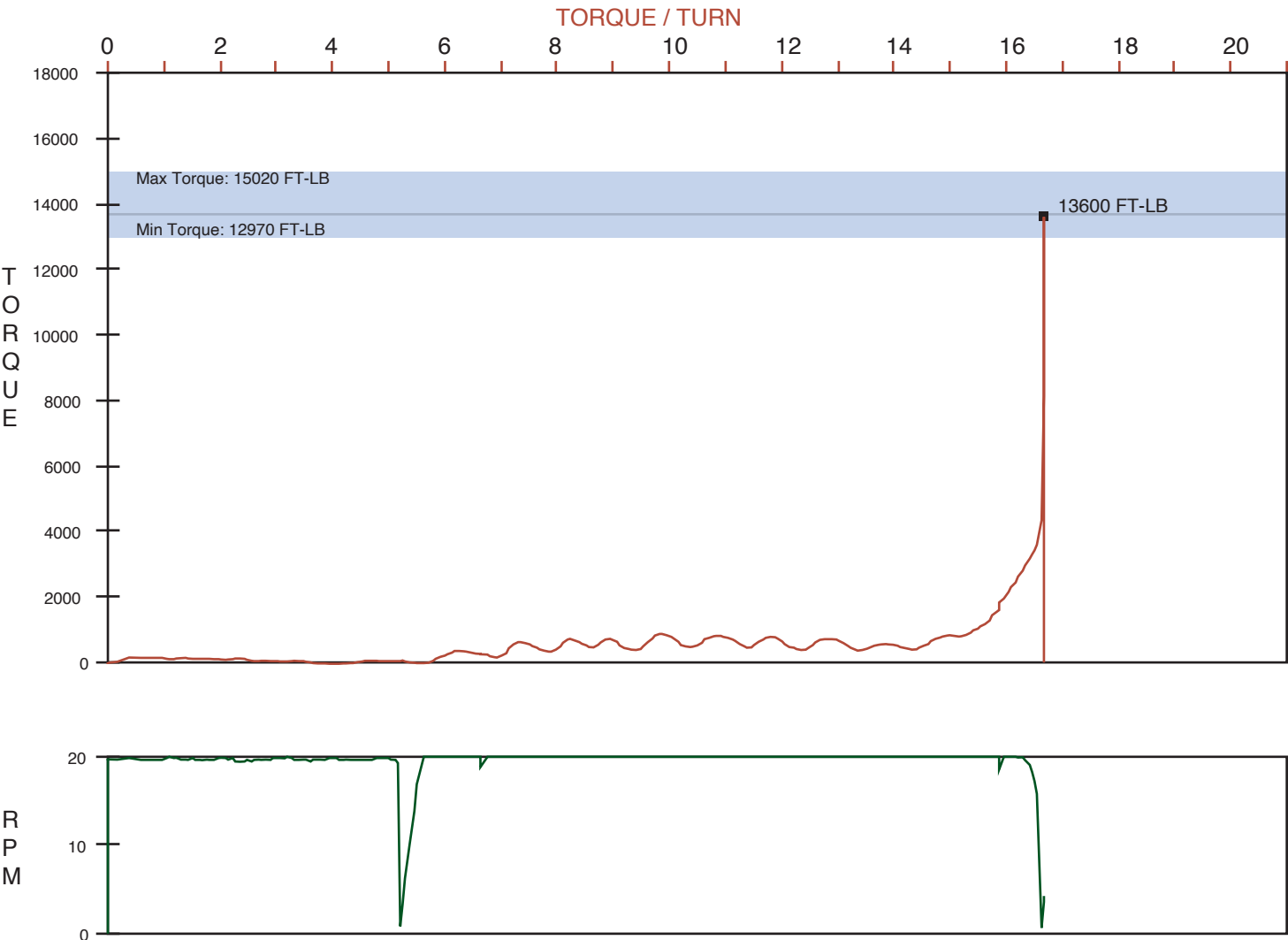
Joint #: 296

Count #: 296

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:18:43 PM	Heat/Lot#:	
Pipe Length:	37.615 ft		
Cumulative Length:	11060.652 ft		
Cumulative Weight:	253951.441 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13600 FT-LB
Final Turns:	16.670
Max RPM:	22.560
Delta Torque:	2570 FT-LB
Delta Turns:	0.012

Notes: joint 296



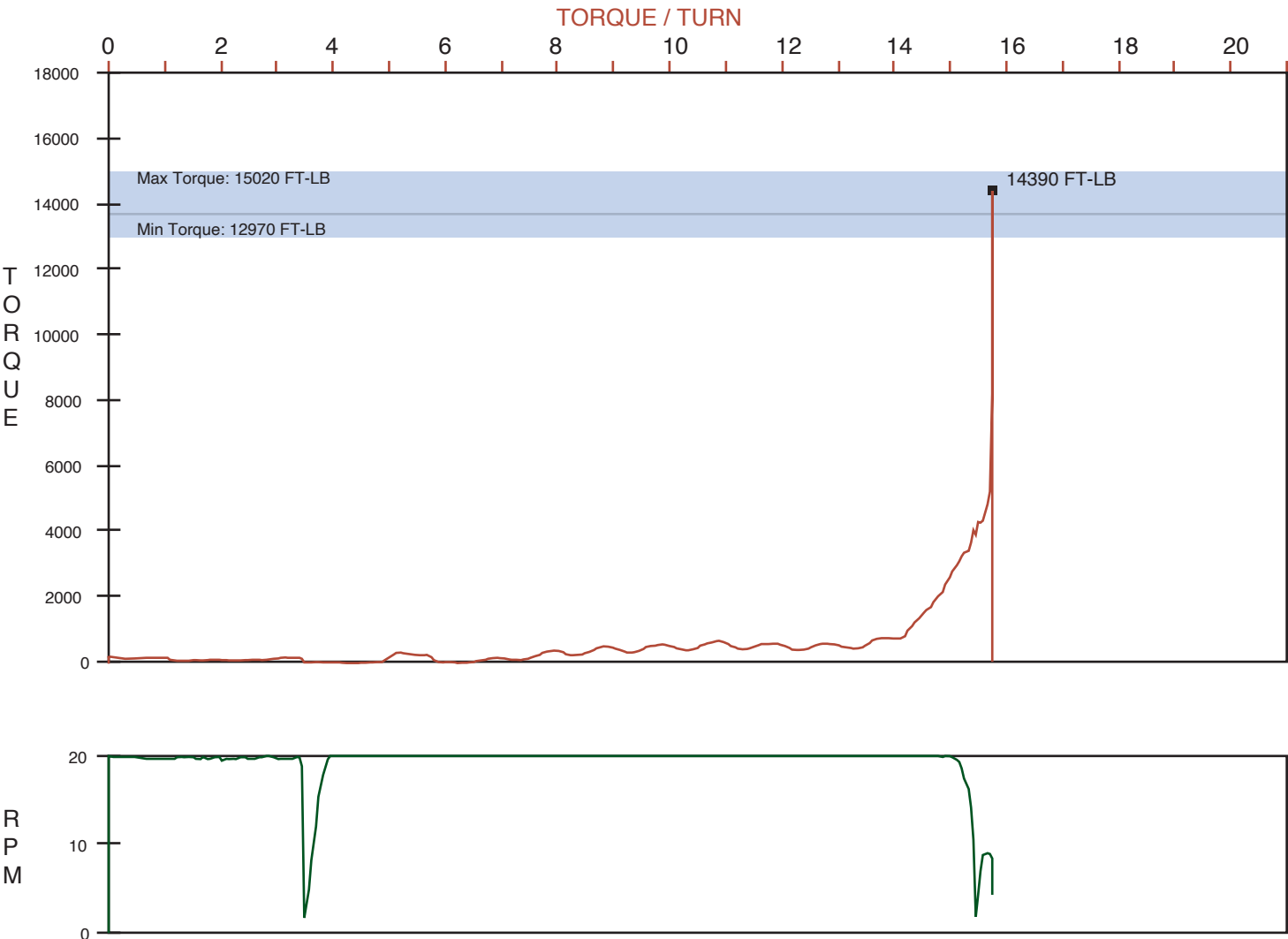
Joint #: 297

Count #: 297

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:21:46 PM	Heat/Lot#:	
Pipe Length:	37.867 ft		
Cumulative Length:	11098.519 ft		
Cumulative Weight:	254822.382 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14390 FT-LB
Final Turns:	15.766
Max RPM:	21
Delta Torque:	6200 FT-LB
Delta Turns:	0.046

Notes: joint 297





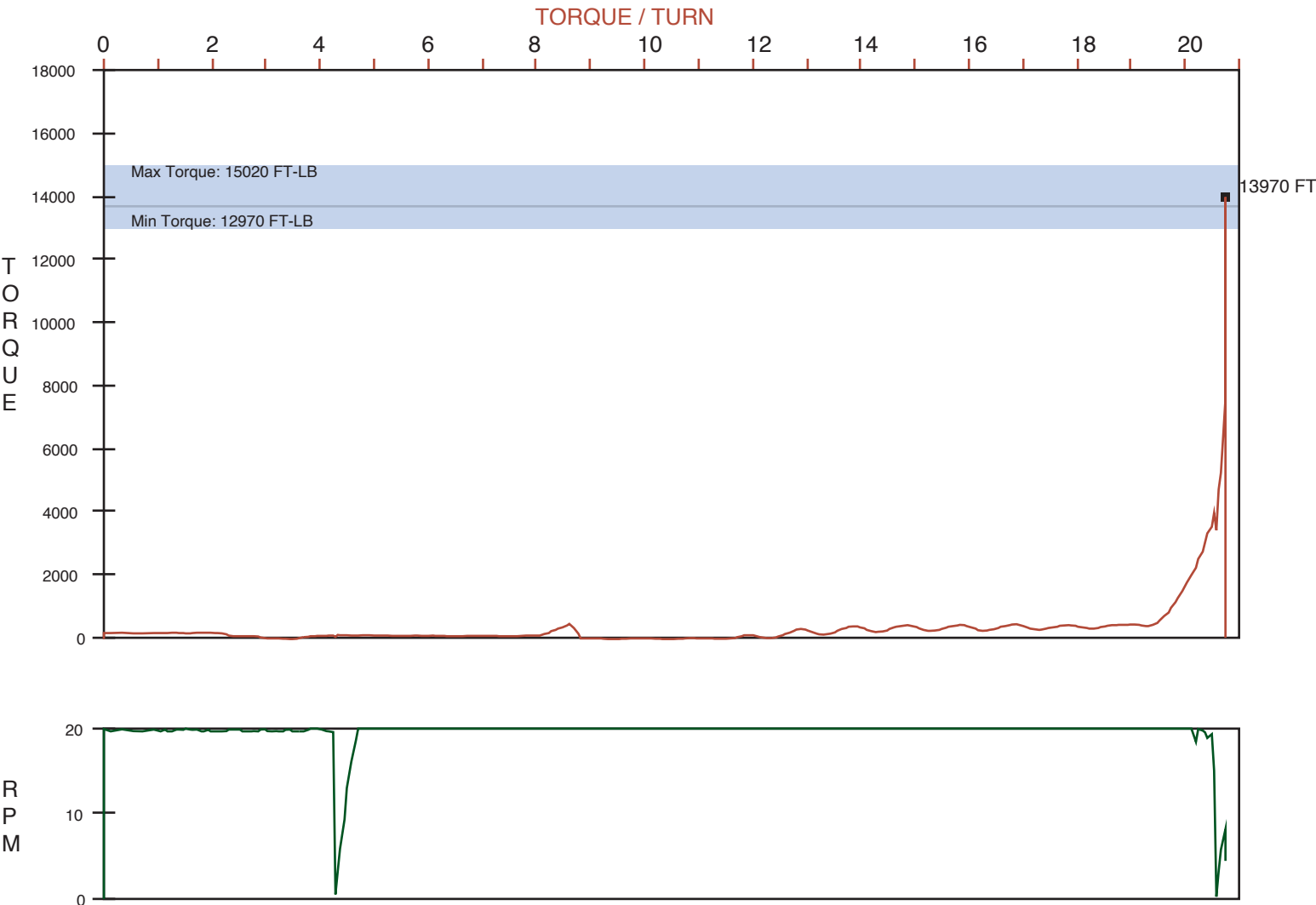
Joint #: 298

Count #: 298

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:25:50 PM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	11136.377 ft		
Cumulative Weight:	255693.116 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13970 FT-LB
Final Turns:	20.742
Max RPM:	21
Delta Torque:	2440 FT-LB
Delta Turns:	0.012

Notes: joint 298



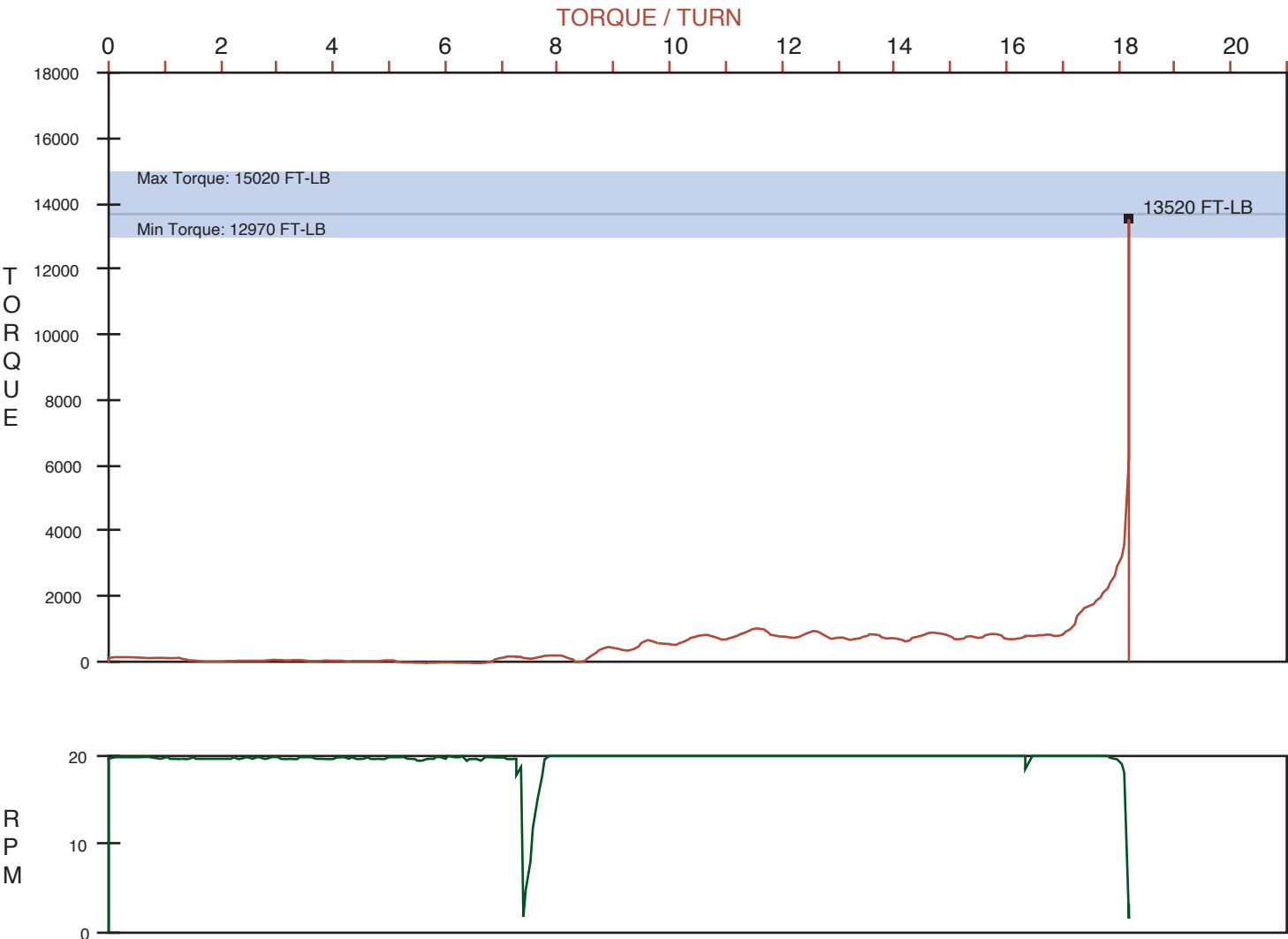
Joint #: 299

Count #: 299

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 3:29:22 PM	Heat/Lot#:	
Pipe Length:	34.482 ft		
Cumulative Length:	11170.859 ft		
Cumulative Weight:	256486.202 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13520 FT-LB
Final Turns:	18.167
Max RPM:	22.410
Delta Torque:	3240 FT-LB
Delta Turns:	0.011

Notes: joint 299

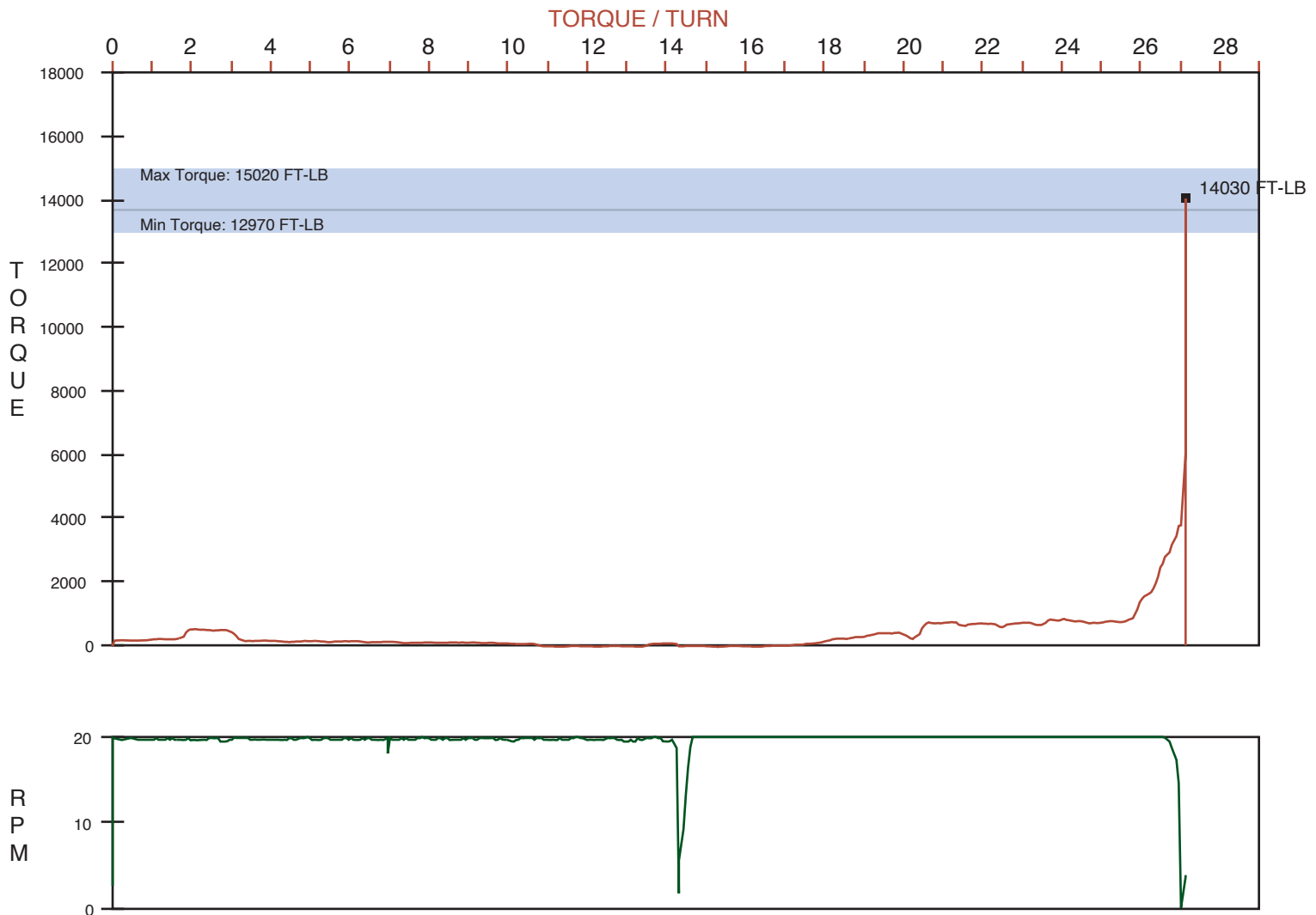


**Joint #: 300****Count #: 300**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 3:33:17 PM**

Heat/Lot#:

Pipe Length: **37.828 ft**Cumulative Length: **11208.687 ft**Cumulative Weight: **257356.246 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14030 FT-LB**Final Turns: **27.118**Max RPM: **21.480**Delta Torque: **3510 FT-LB**Delta Turns: **0.016**Notes: **joint 300**

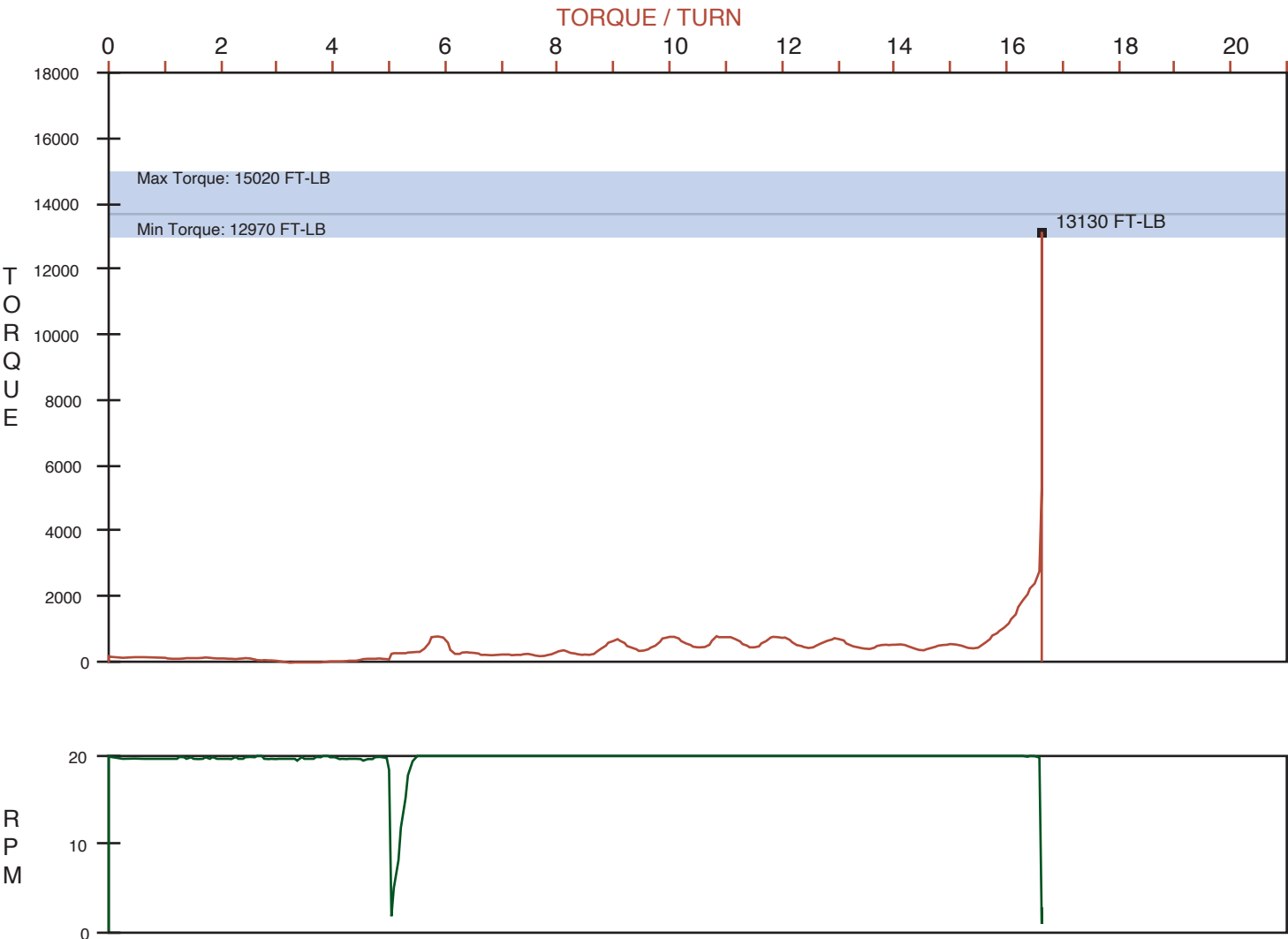
Joint #: 301

Count #: 301

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:00:01 PM	Heat/Lot#:	
Pipe Length:	37.822 ft		
Cumulative Length:	11246.509 ft		
Cumulative Weight:	258226.152 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13130 FT-LB
Final Turns:	16.643
Max RPM:	20.910
Delta Torque:	6340 FT-LB
Delta Turns:	0.041

Notes: joint 301



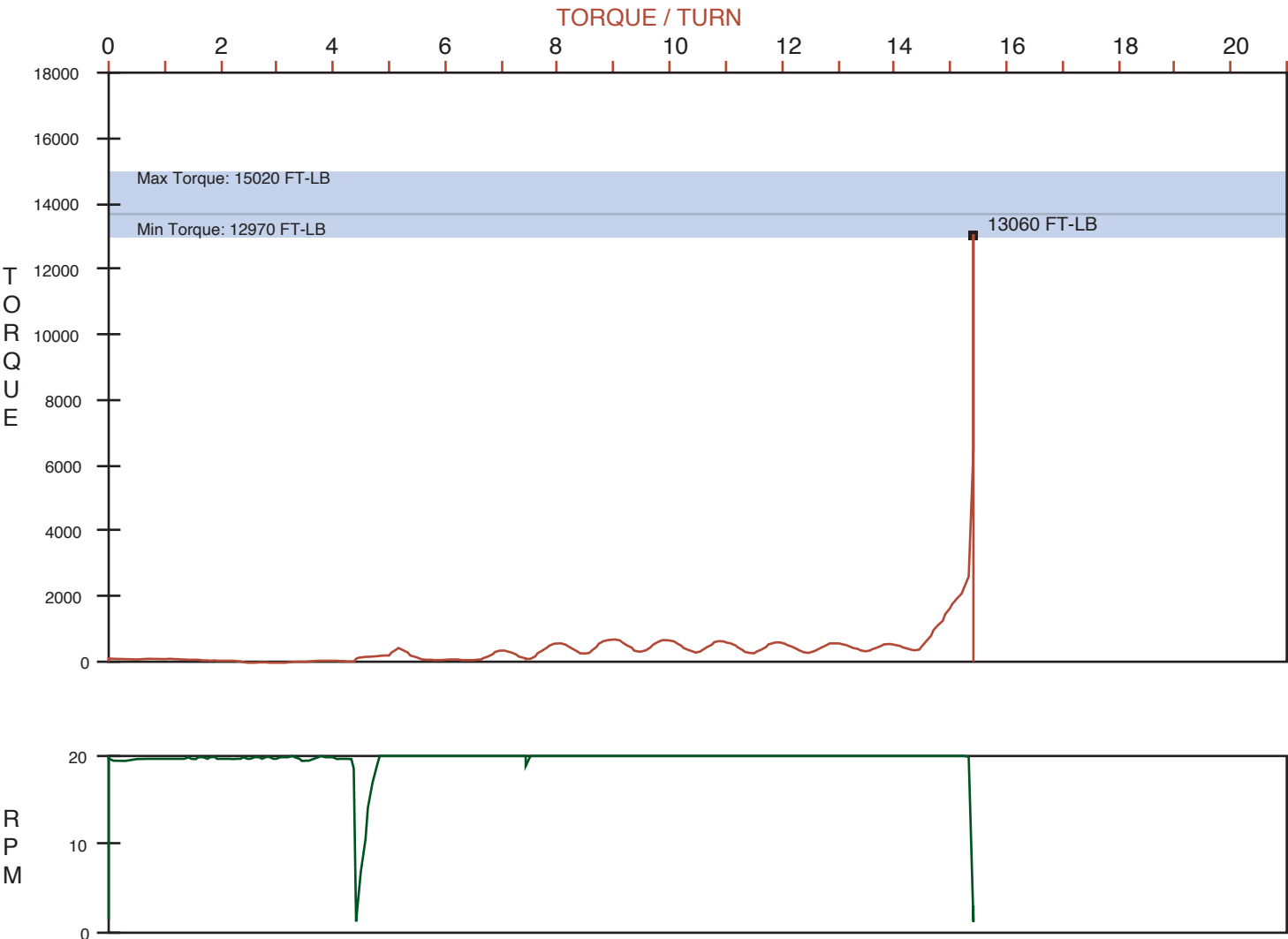
Joint #: 302

Count #: 302

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:04:23 PM	Heat/Lot#:	
Pipe Length:	34.147 ft		
Cumulative Length:	11280.656 ft		
Cumulative Weight:	259011.533 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13060 FT-LB
Final Turns:	15.396
Max RPM:	22.530
Delta Torque:	9400 FT-LB
Delta Turns:	0.065

Notes: joint 302



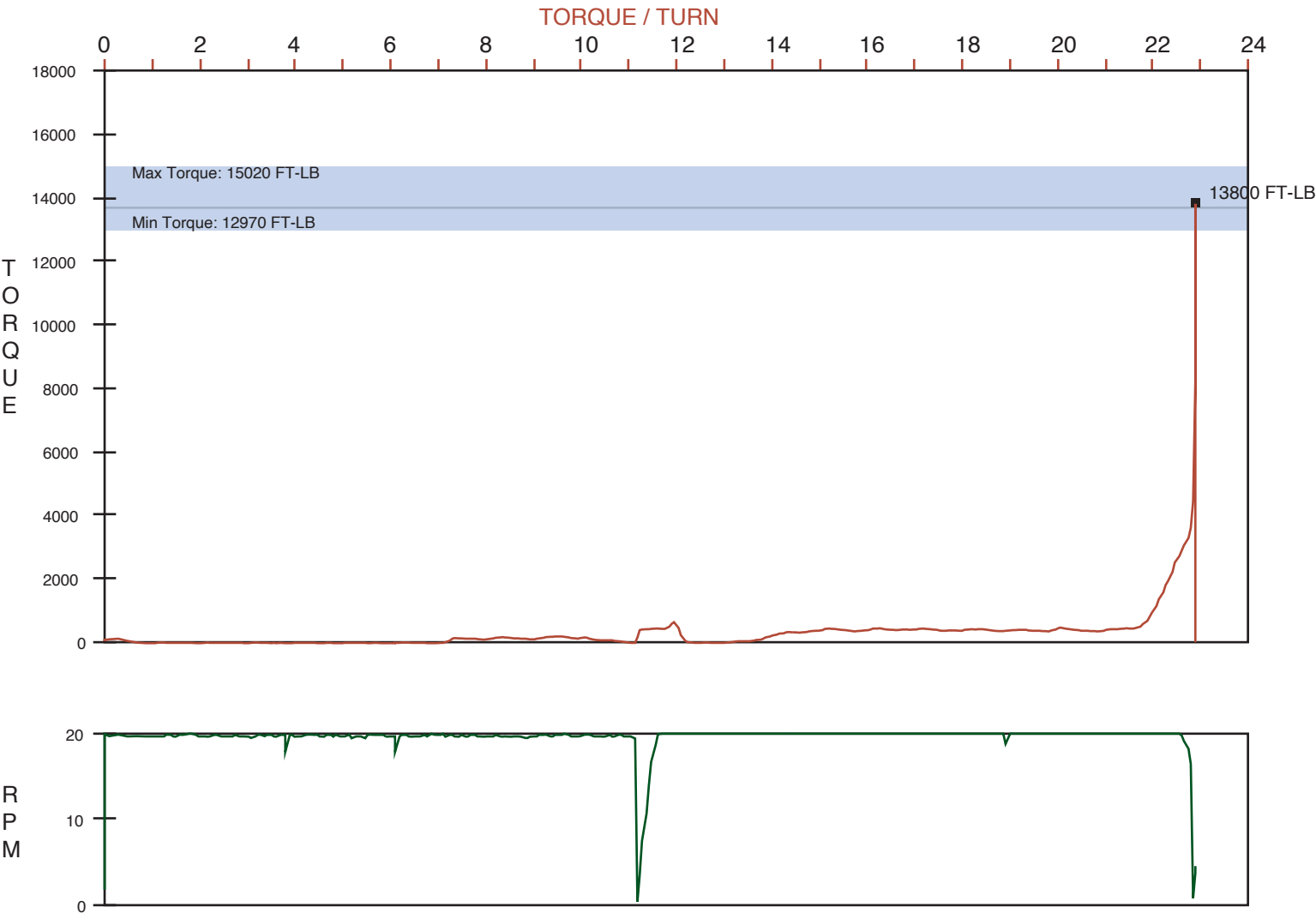
Joint #: 303

Count #: 303

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:08:24 PM	Heat/Lot#:	
Pipe Length:	37.851 ft		
Cumulative Length:	11318.507 ft		
Cumulative Weight:	259882.106 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13800 FT-LB
Final Turns:	22.917
Max RPM:	22.530
Delta Torque:	7720 FT-LB
Delta Turns:	0.076

Notes: joint 303

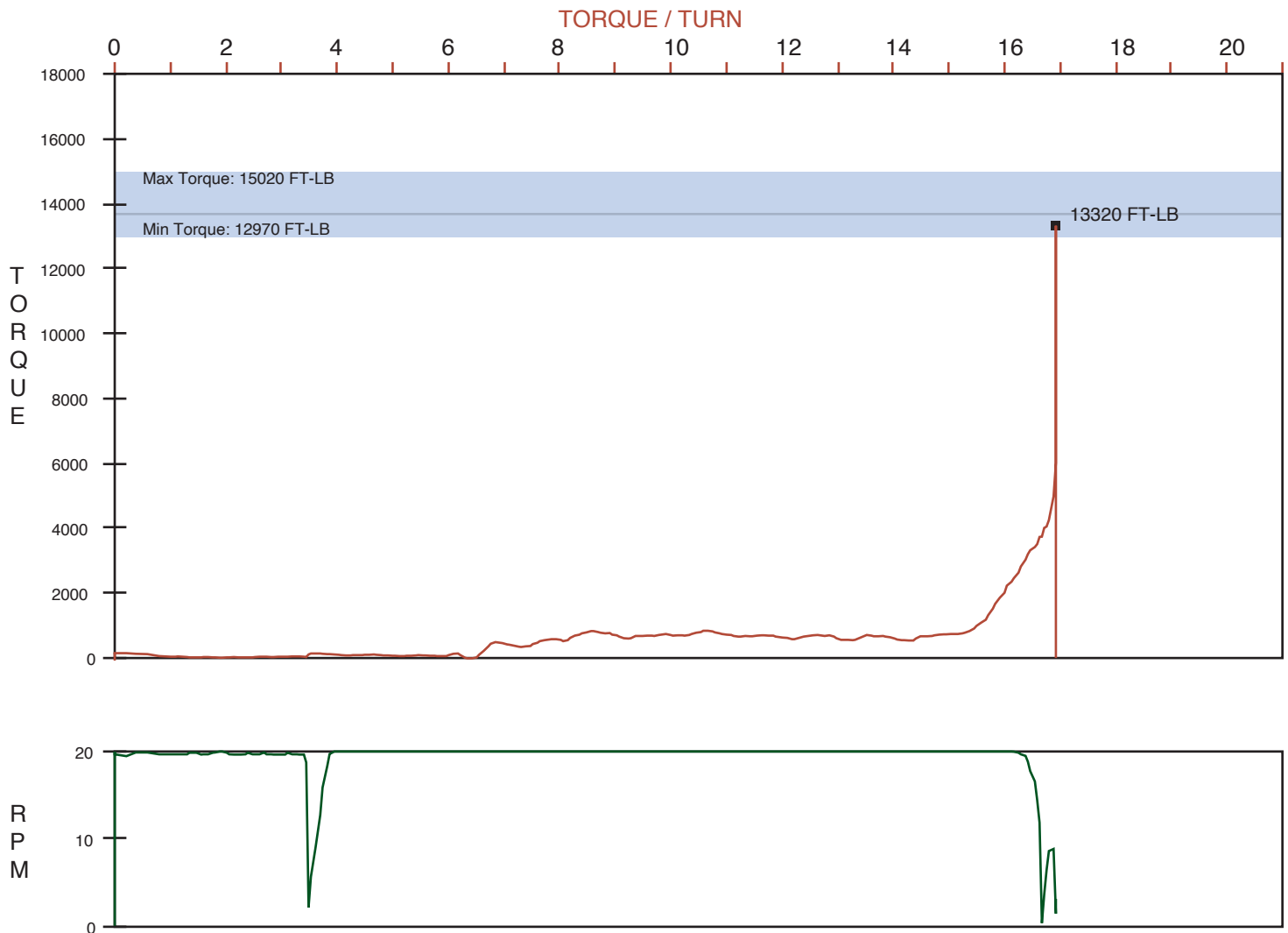


**Joint #: 304****Count #: 304**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:12:12 PM**

Heat/Lot#:

Pipe Length: **35.423 ft**Cumulative Length: **11353.930 ft**Cumulative Weight: **260696.835 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13320 FT-LB**Final Turns: **16.920**Max RPM: **20.940**Delta Torque: **5450 FT-LB**Delta Turns: **0.024**Notes: **joint 304**

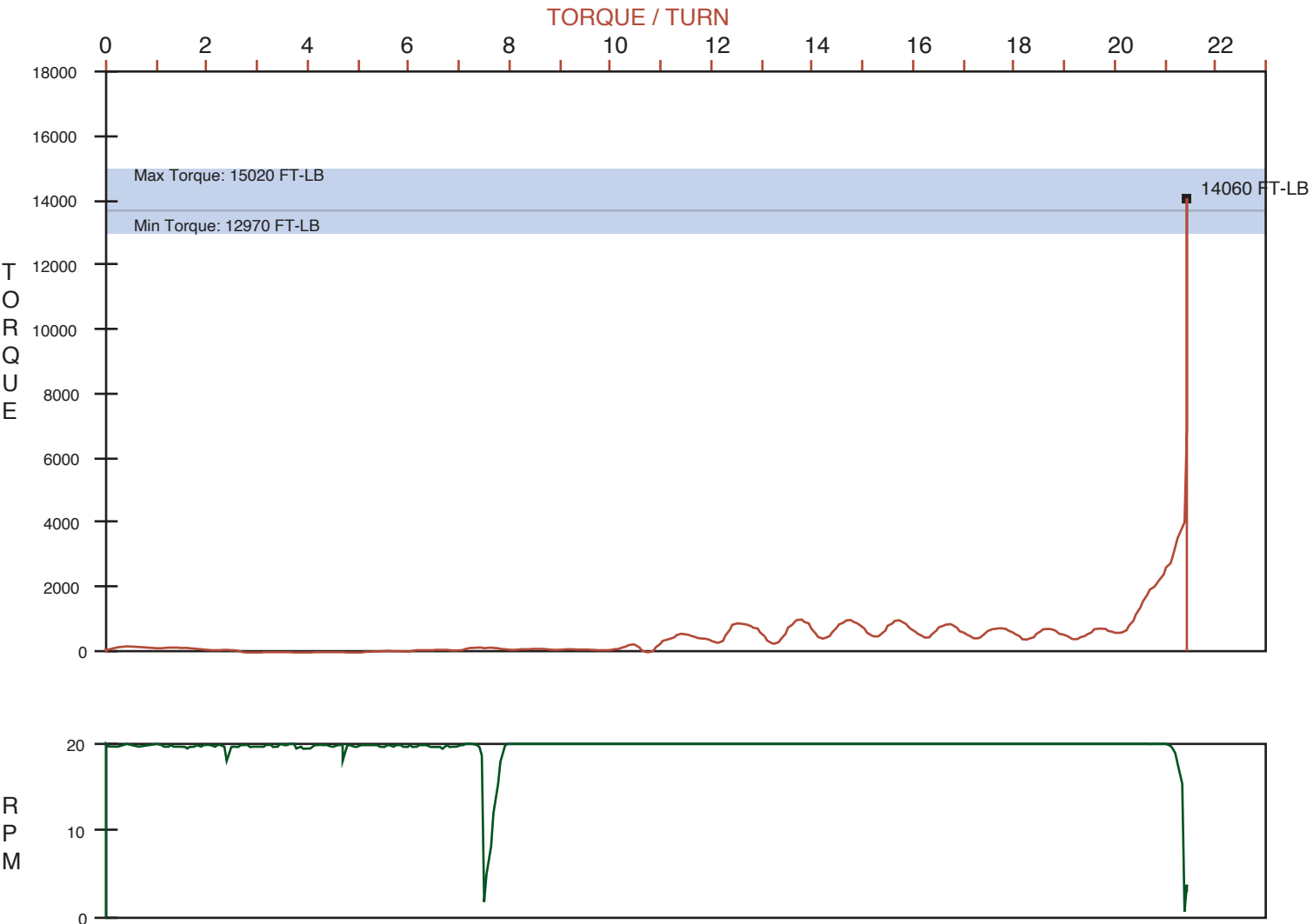
Joint #: 305

Count #: 305

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:16:53 PM	Heat/Lot#:	
Pipe Length:	37.828 ft		
Cumulative Length:	11391.758 ft		
Cumulative Weight:	261566.879 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14060 FT-LB
Final Turns:	21.448
Max RPM:	21.660
Delta Torque:	3540 FT-LB
Delta Turns:	0.015

Notes: joint 305





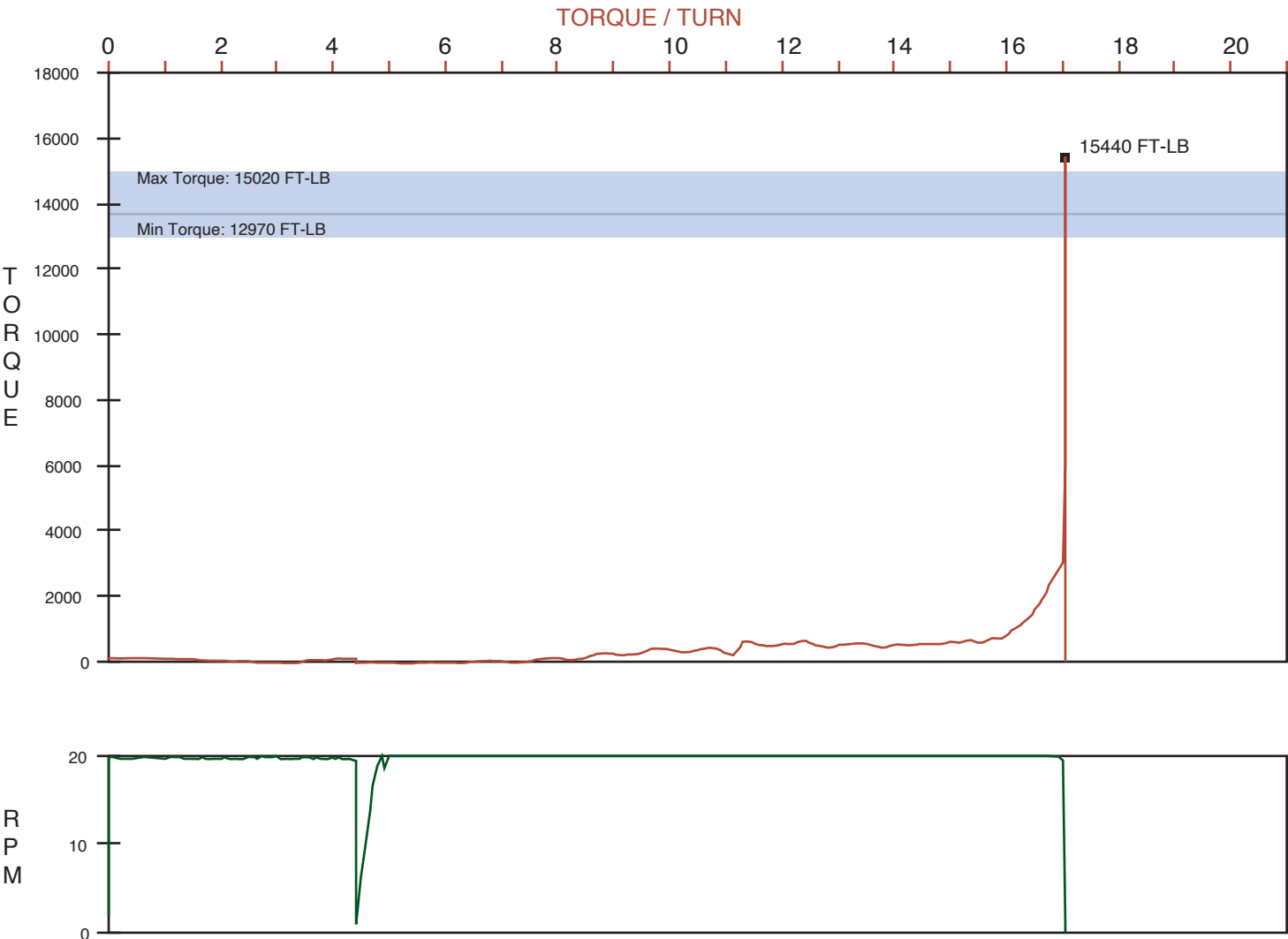
Joint #: 306

Count #: 306

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:21:29 PM	Heat/Lot#:	
Pipe Length:	37.894 ft		
Cumulative Length:	11429.652 ft		
Cumulative Weight:	262438.441 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	15440 FT-LB
Final Turns:	17.047
Max RPM:	22.590
Delta Torque:	180 FT-LB
Delta Turns:	0

Notes: joint 306



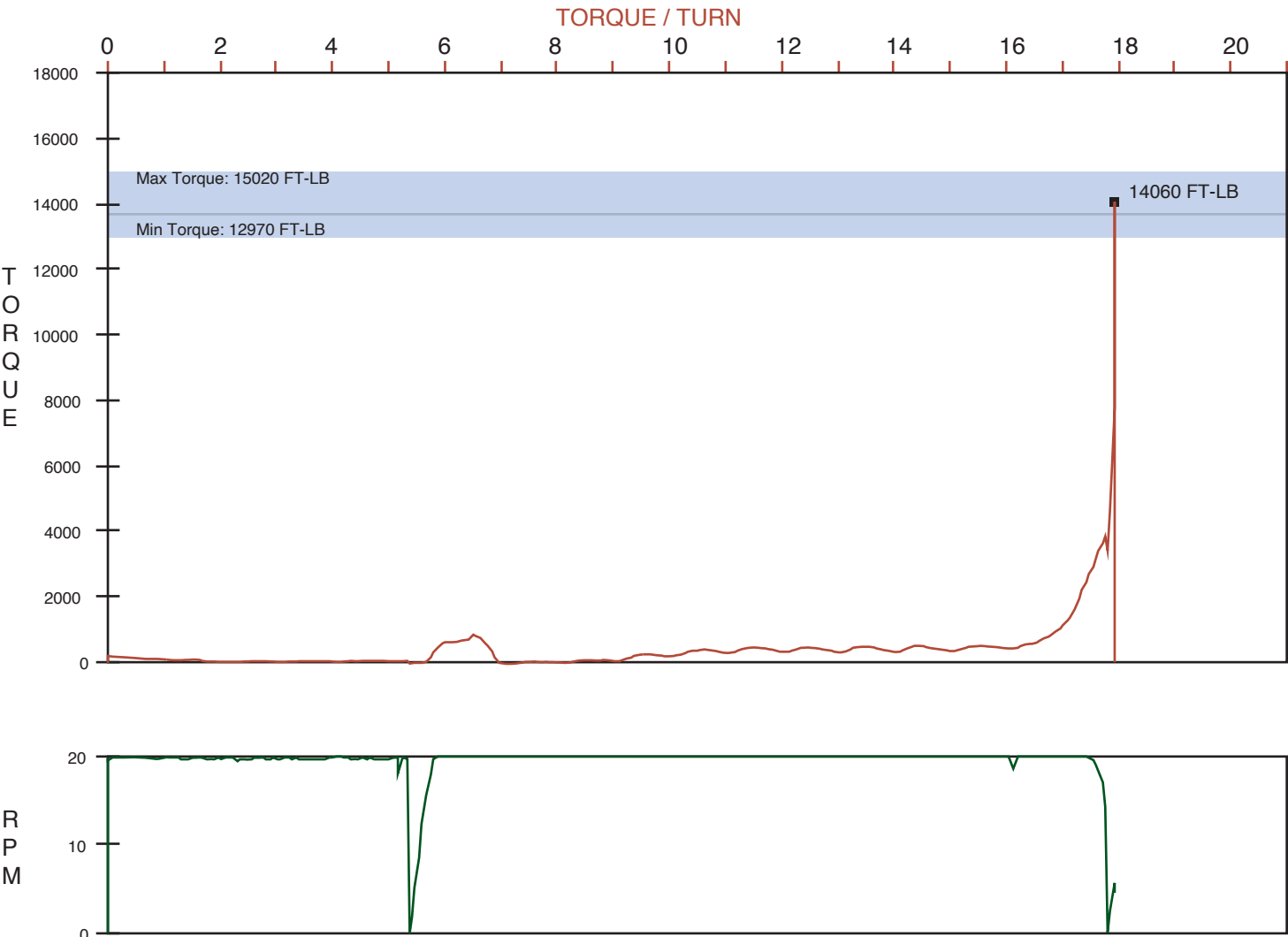
Joint #: 307

Count #: 307

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:24:49 PM	Heat/Lot#:	
Pipe Length:	37.257 ft		
Cumulative Length:	11466.909 ft		
Cumulative Weight:	263295.352 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14060 FT-LB
Final Turns:	17.913
Max RPM:	22.260
Delta Torque:	3800 FT-LB
Delta Turns:	0.015

Notes: joint 307



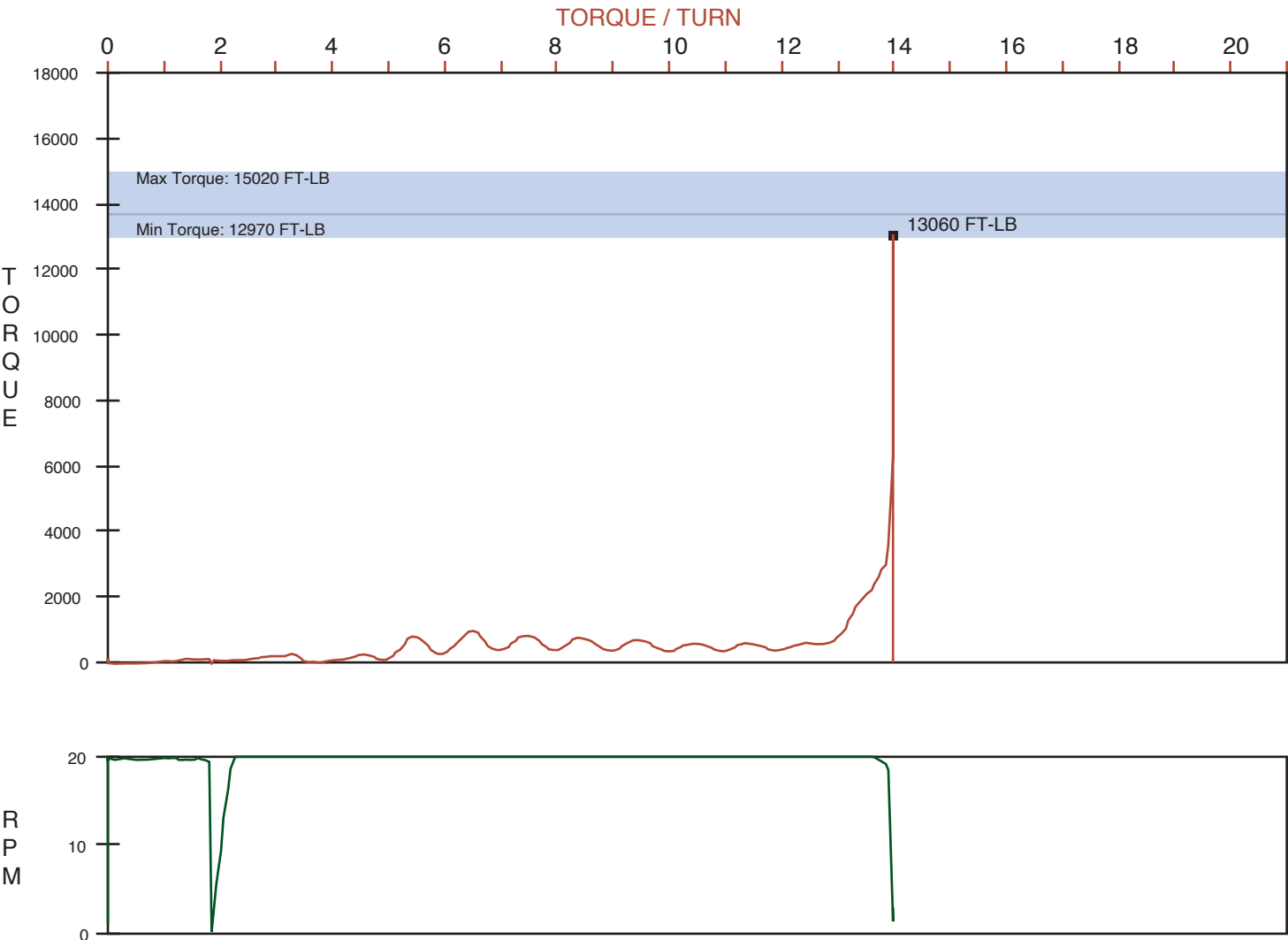
Joint #: 308

Count #: 308

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:28:32 PM	Heat/Lot#:	
Pipe Length:	37.871 ft		
Cumulative Length:	11504.780 ft		
Cumulative Weight:	264166.385 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13060 FT-LB
Final Turns:	13.966
Max RPM:	20.910
Delta Torque:	5470 FT-LB
Delta Turns:	0.040

Notes: joint 308

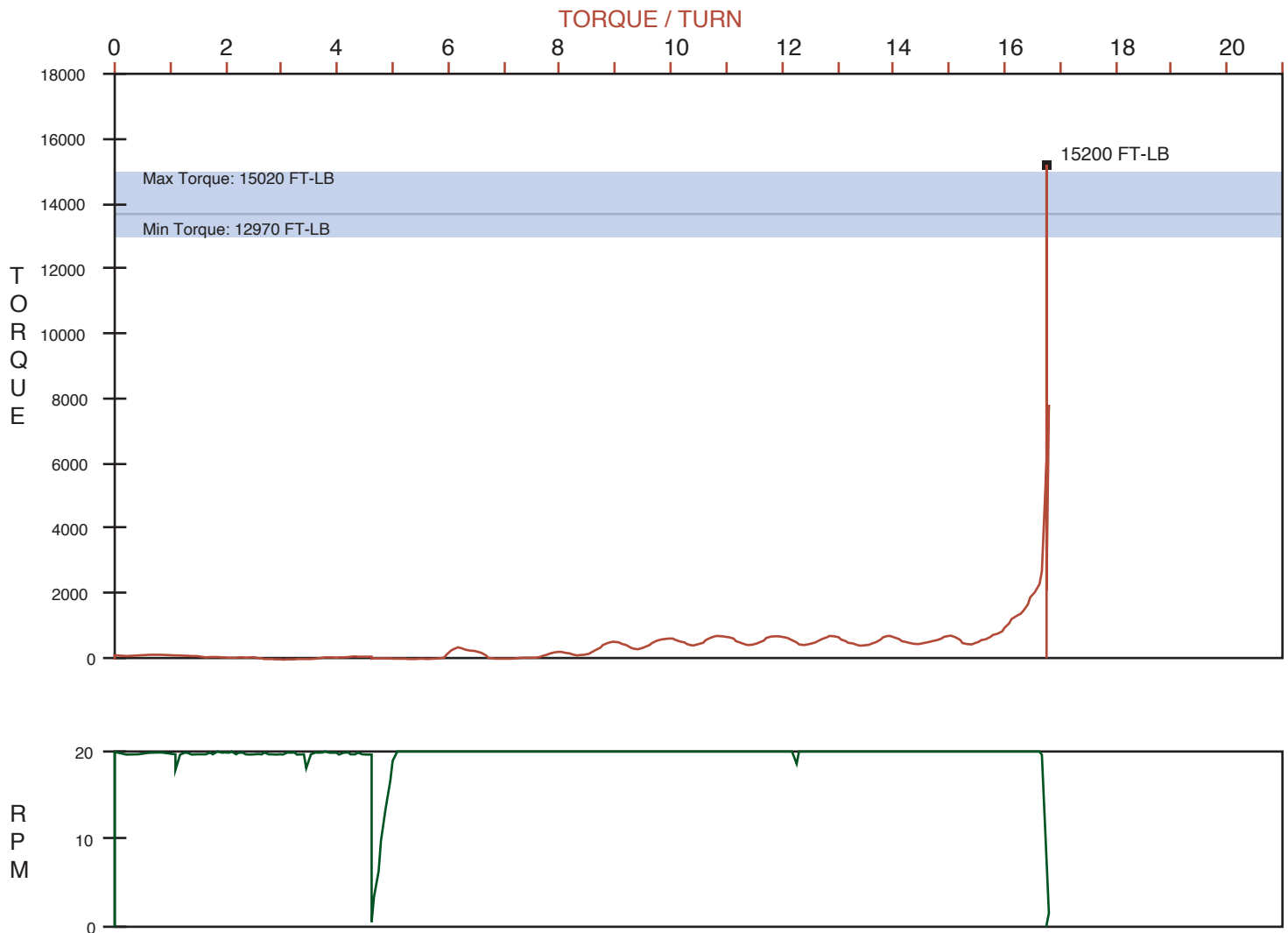


**Joint #: 309****Count #: 309**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:32:37 PM**

Heat/Lot#:

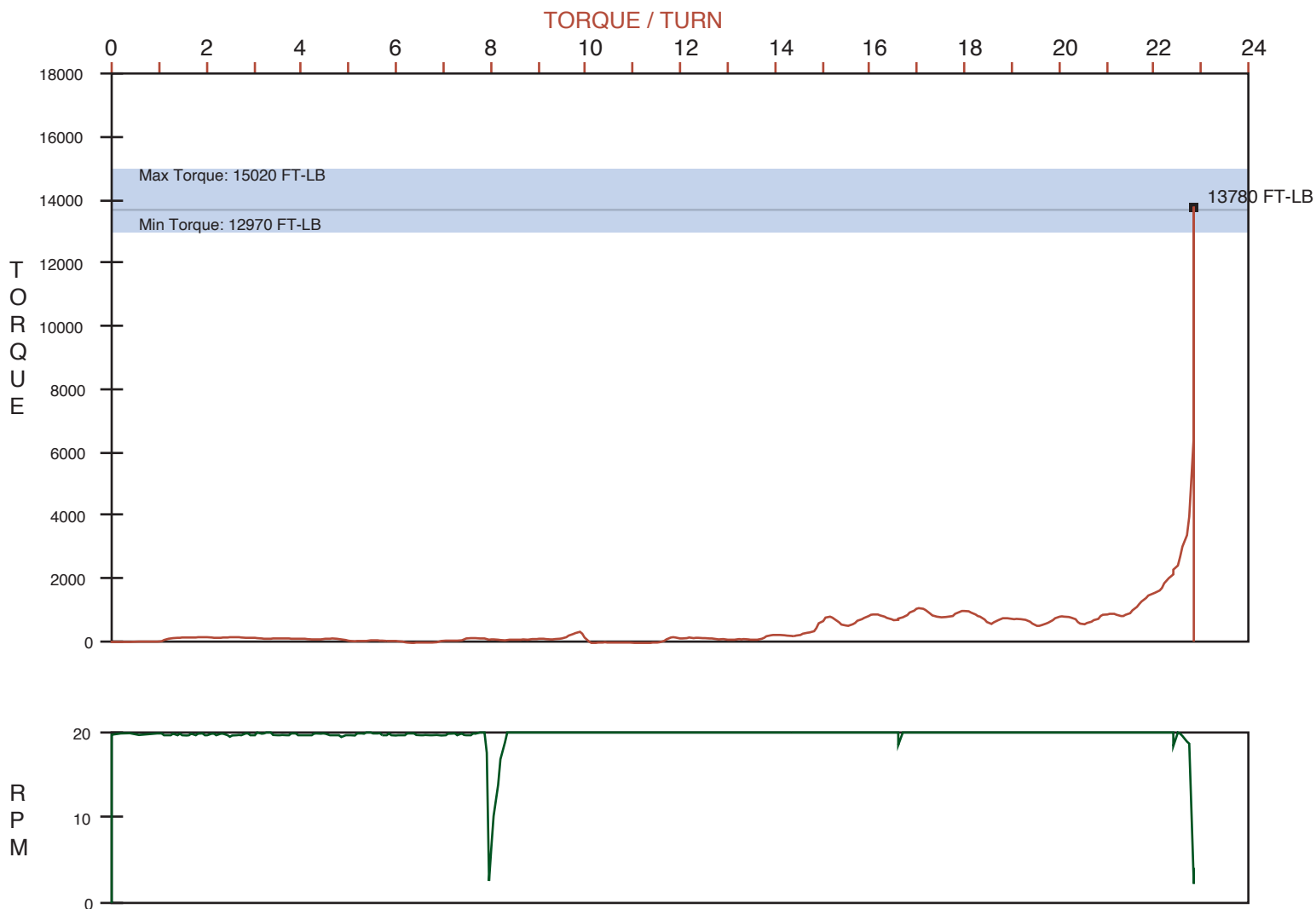
Pipe Length: **37.844 ft**Cumulative Length: **11542.624 ft**Cumulative Weight: **265036.797 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **15200 FT-LB**Final Turns: **16.778**Max RPM: **22.530**Delta Torque: **0 FT-LB**Delta Turns: **0**Notes: **joint 309**

**Joint #: 310****Count #: 310**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:36:39 PM**

Heat/Lot#:

Pipe Length: **37.861 ft**Cumulative Length: **11580.485 ft**Cumulative Weight: **265907.600 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13780 FT-LB**Final Turns: **22.832**Max RPM: **22.170**Delta Torque: **3170 FT-LB**Delta Turns: **0.009**Notes: **joint 310**

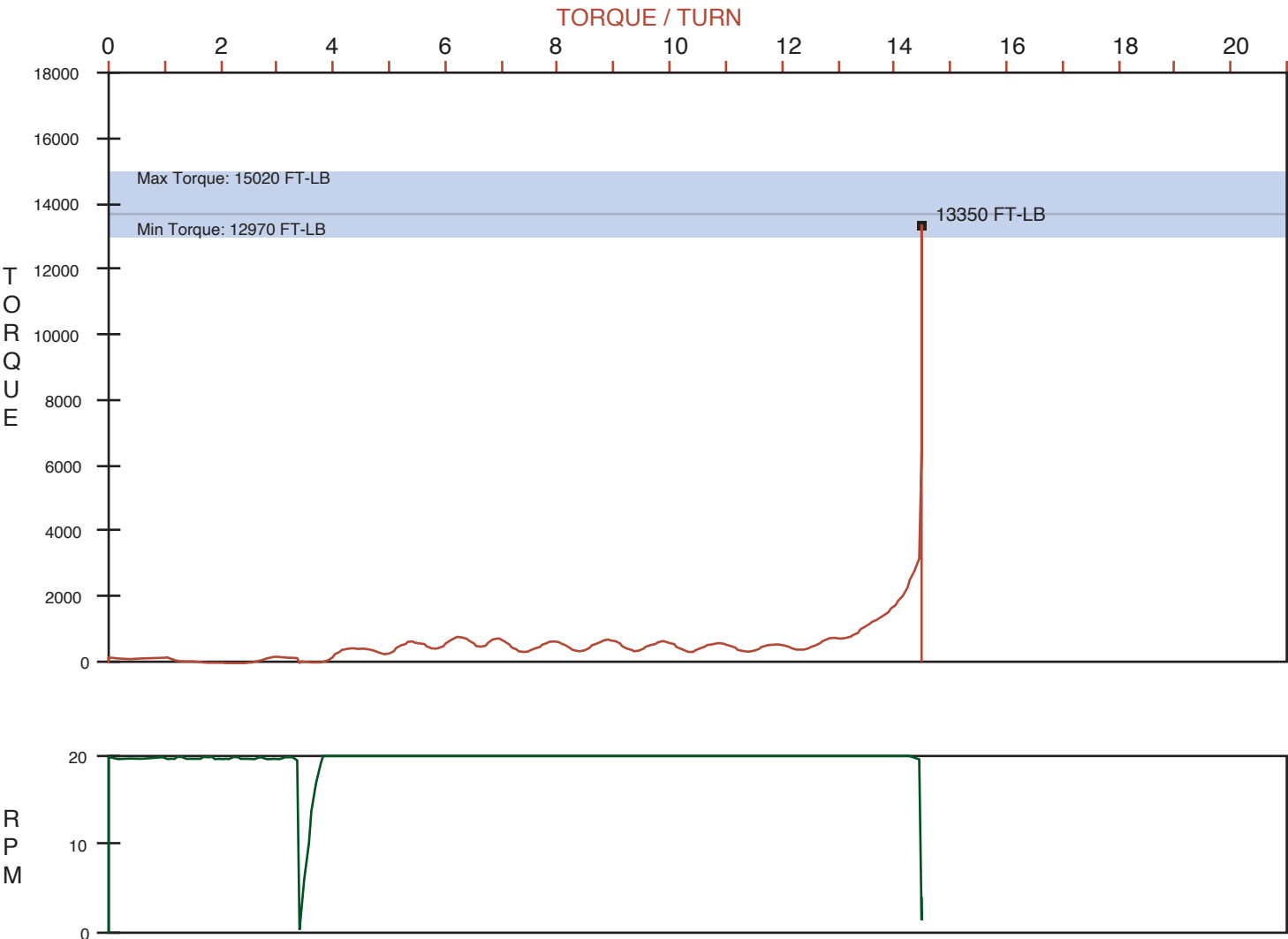
Joint #: 311

Count #: 311

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:40:04 PM	Heat/Lot#:	
Pipe Length:	37.818 ft		
Cumulative Length:	11618.303 ft		
Cumulative Weight:	266777.414 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13350 FT-LB
Final Turns:	14.502
Max RPM:	20.880
Delta Torque:	9280 FT-LB
Delta Turns:	0.076

Notes: joint 311

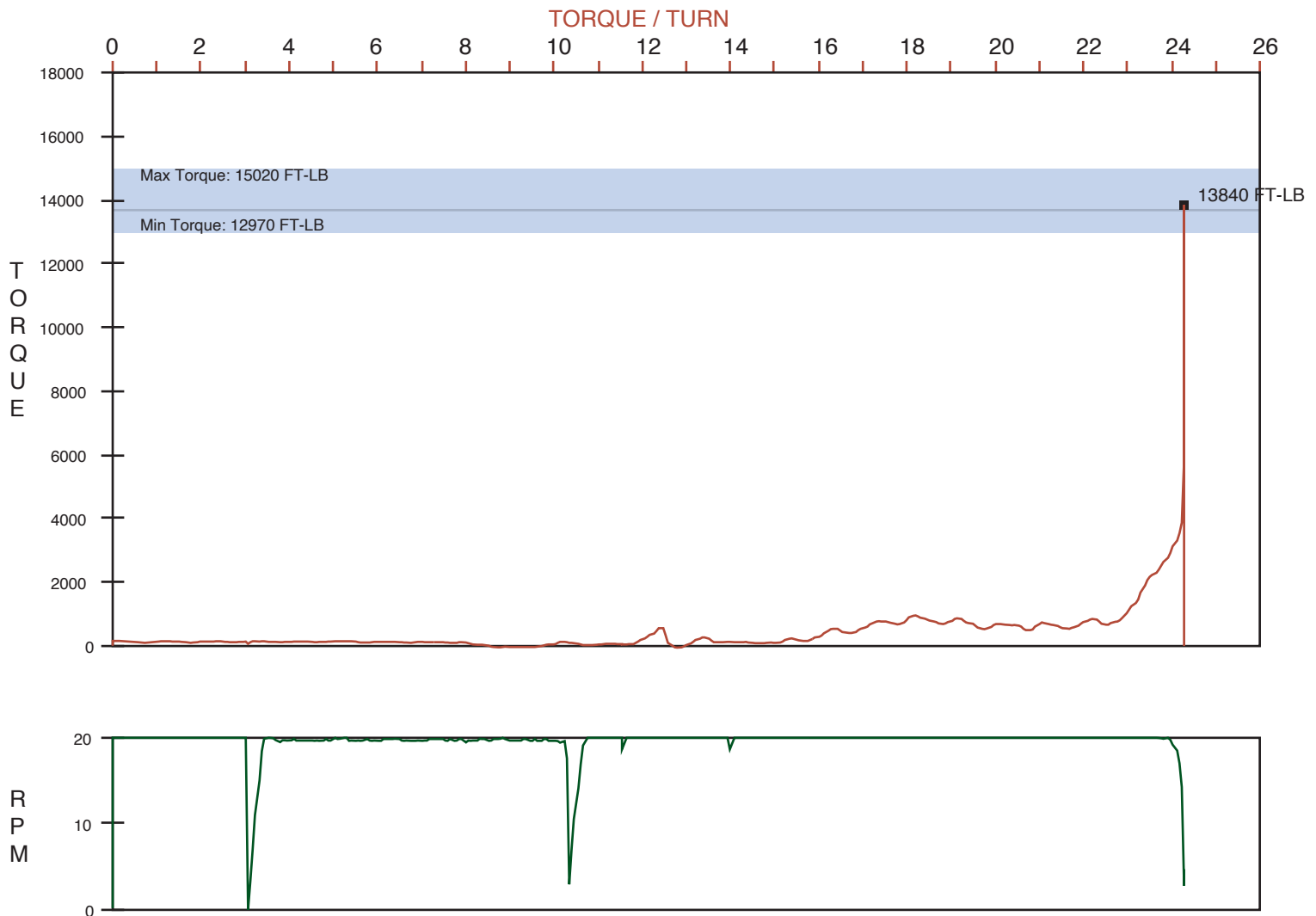


**Joint #: 312****Count #: 312**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:44:06 PM**

Heat/Lot#:

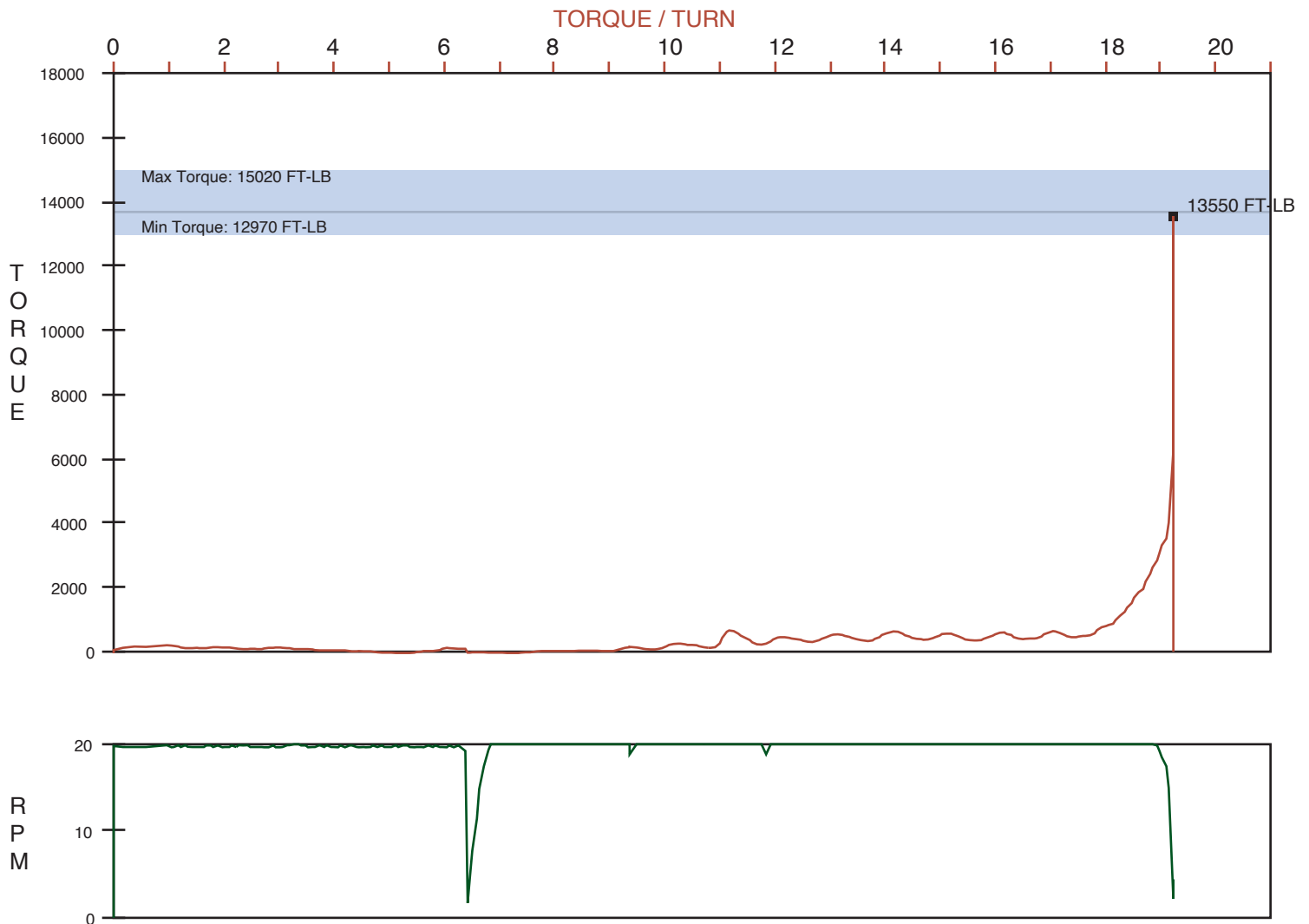
Pipe Length: **37.854 ft**Cumulative Length: **11656.157 ft**Cumulative Weight: **267648.056 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13840 FT-LB**Final Turns: **24.295**Max RPM: **22.380**Delta Torque: **10620 FT-LB**Delta Turns: **0.099**Notes: **joint 312**

**Joint #: 313****Count #: 313**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 4:47:17 PM**

Heat/Lot#:

Pipe Length: **37.854 ft**Cumulative Length: **11694.011 ft**Cumulative Weight: **268518.698 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13550 FT-LB**Final Turns: **19.229**Max RPM: **22.620**Delta Torque: **10030 FT-LB**Delta Turns: **0.097**Notes: **joint 313**



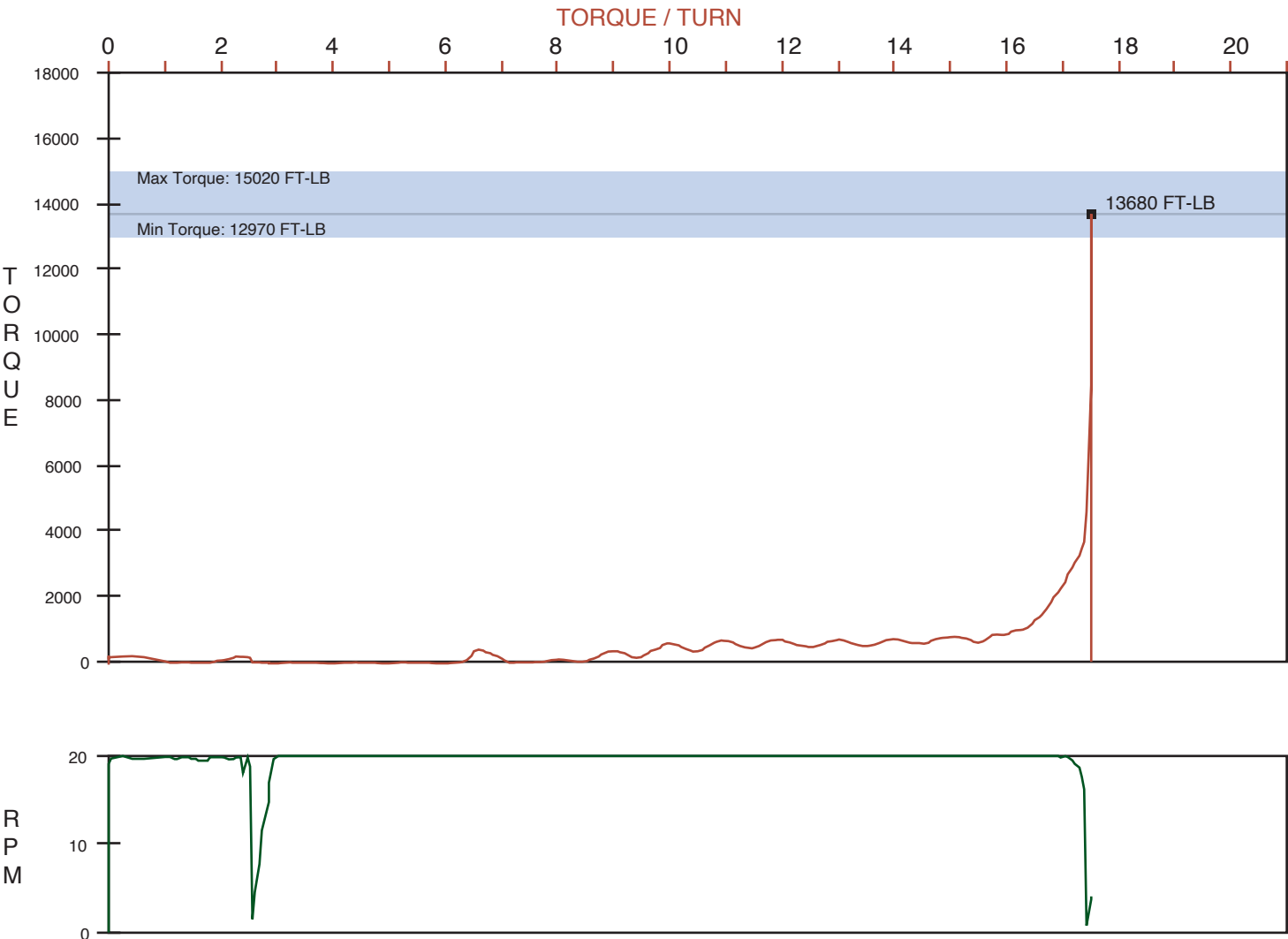
Joint #: 314

Count #: 314

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:50:25 PM	Heat/Lot#:	
Pipe Length:	37.858 ft		
Cumulative Length:	11731.869 ft		
Cumulative Weight:	269389.432 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13680 FT-LB
Final Turns:	17.500
Max RPM:	22.380
Delta Torque:	10180 FT-LB
Delta Turns:	0.106

Notes: joint 314



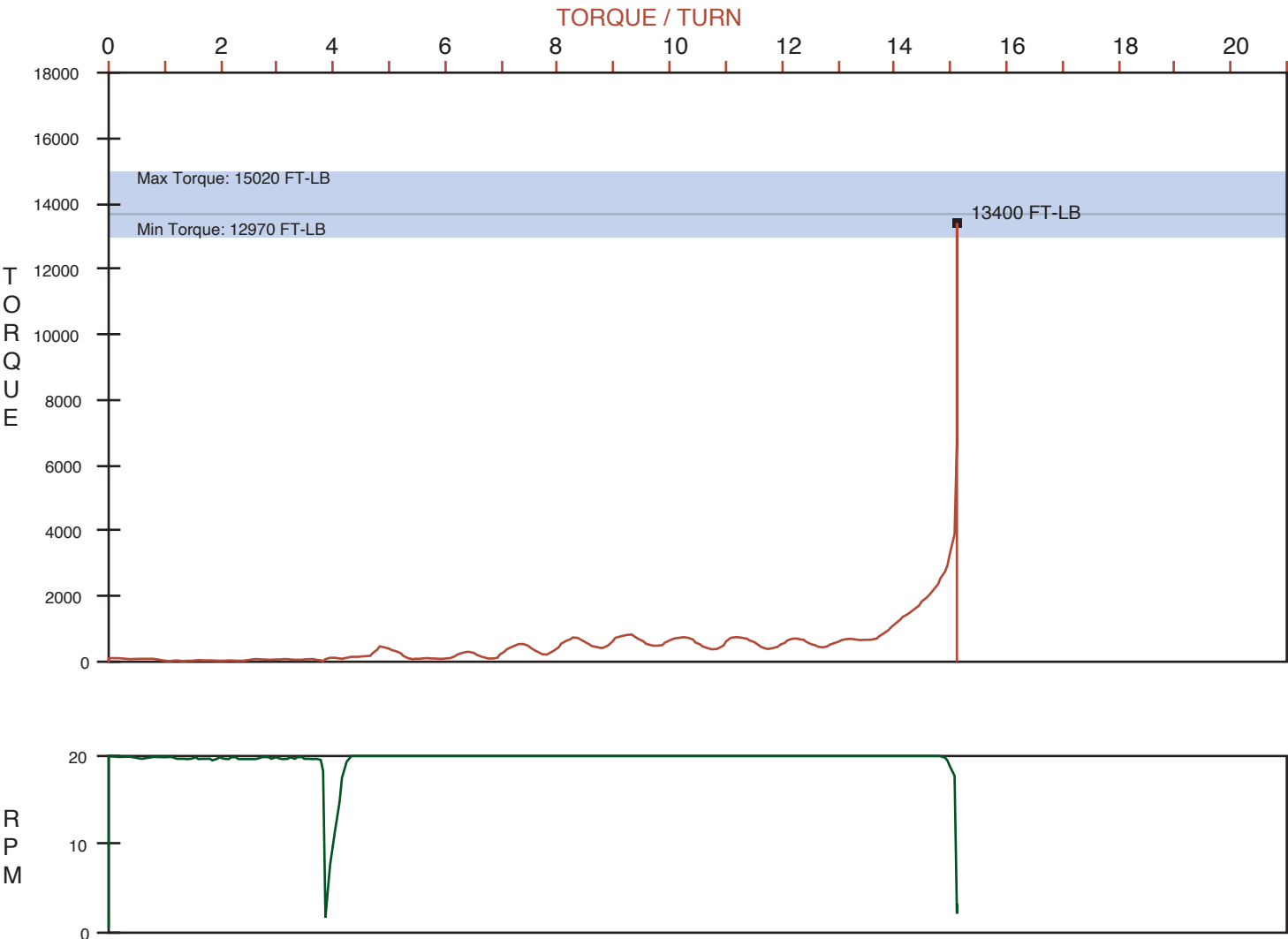
Joint #: 315

Count #: 315

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 4:53:40 PM	Heat/Lot#:	
Pipe Length:	37.270 ft		
Cumulative Length:	11769.139 ft		
Cumulative Weight:	270246.642 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13400 FT-LB
Final Turns:	15.136
Max RPM:	20.910
Delta Torque:	10280 FT-LB
Delta Turns:	0.182

Notes: joint 315



**Joint #: 316****Count #: 316**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:07:57 PM	Heat/Lot#:	
Pipe Length:	37.841 ft		
Cumulative Length:	11806.980 ft		
Cumulative Weight:	271116.985 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 13070 FT-LB

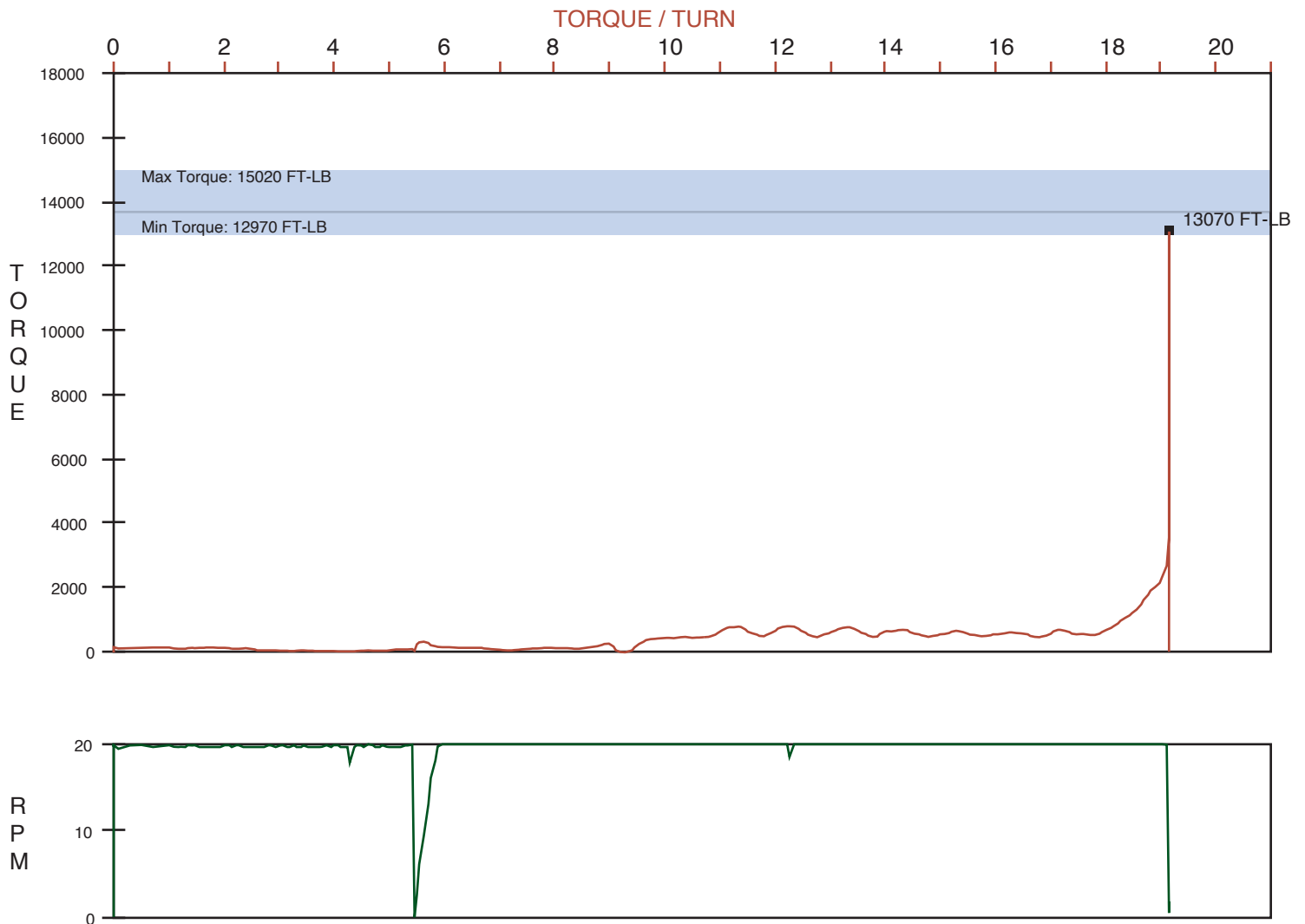
Final Turns: 19.169

Max RPM: 22.260

Delta Torque: 10030 FT-LB

Delta Turns: 0.053

Notes: joint 316

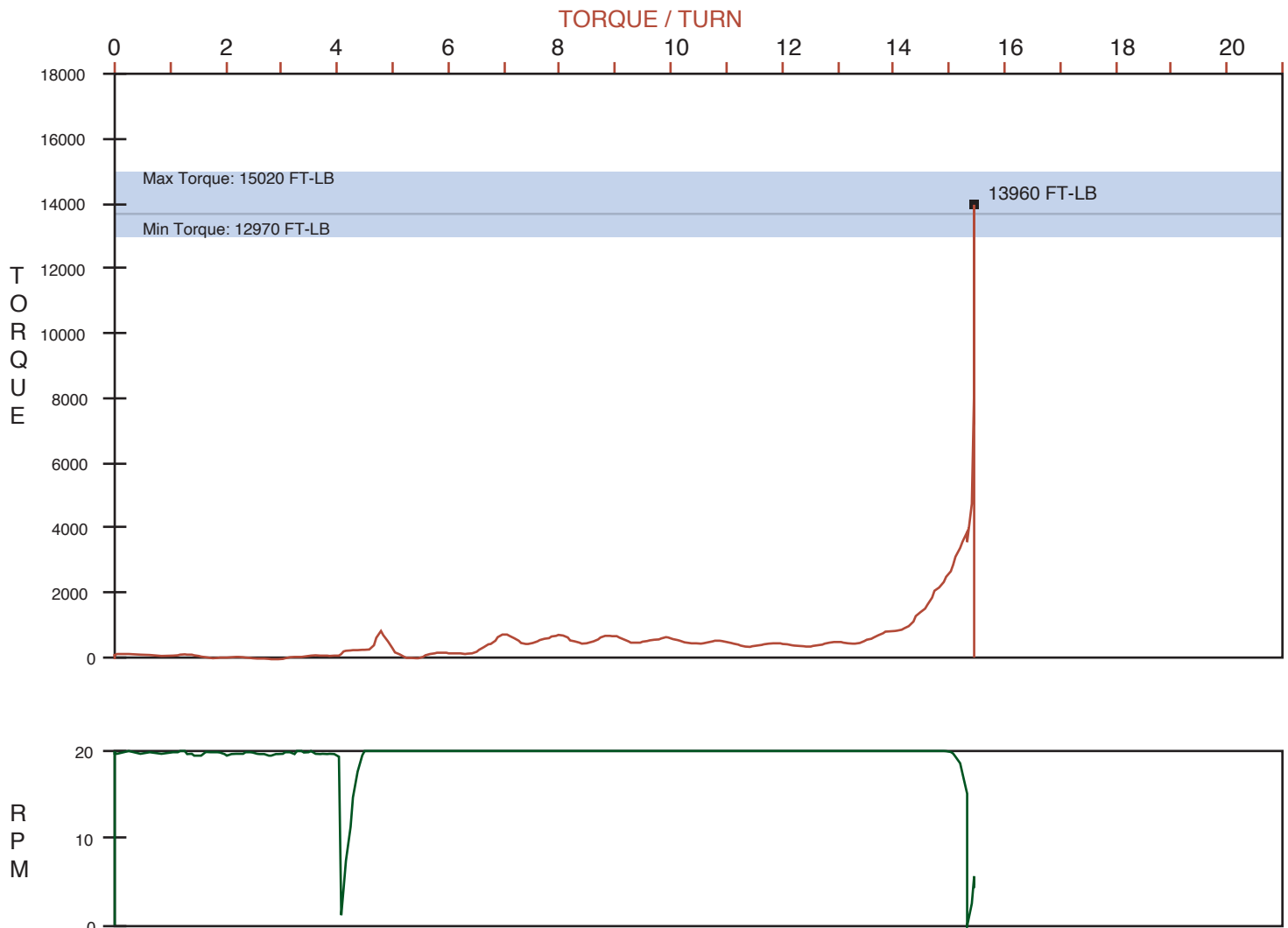


**Joint #: 317****Count #: 317**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:11:22 PM**

Heat/Lot#:

Pipe Length: **37.844 ft**Cumulative Length: **11844.824 ft**Cumulative Weight: **271987.397 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13960 FT-LB**Final Turns: **15.462**Max RPM: **21.630**Delta Torque: **10320 FT-LB**Delta Turns: **0.142**Notes: **joint 317**

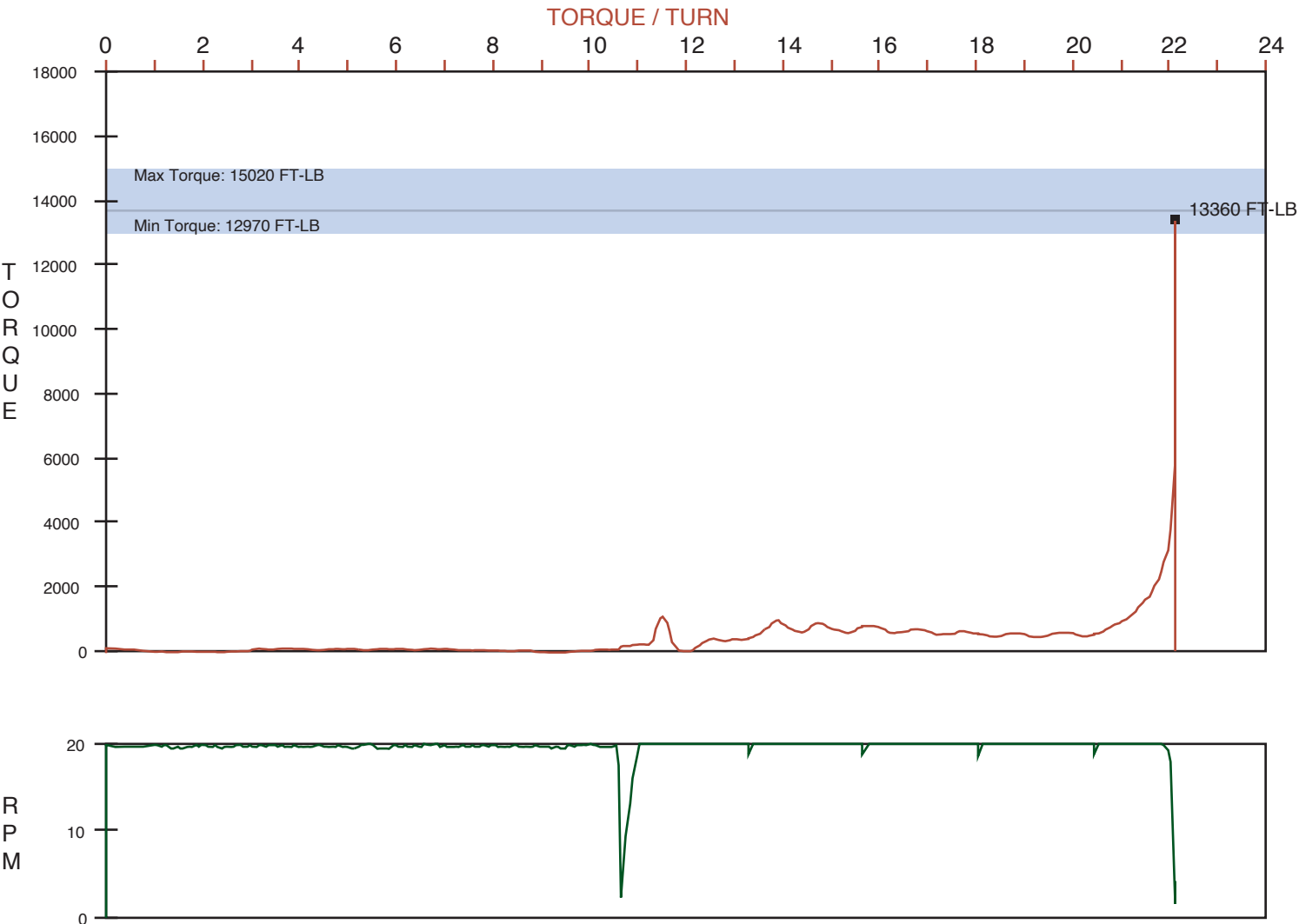
Joint #: 318

Count #: 318

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:15:22 PM	Heat/Lot#:	
Pipe Length:	37.815 ft		
Cumulative Length:	11882.639 ft		
Cumulative Weight:	272857.142 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13360 FT-LB
Final Turns:	22.123
Max RPM:	22.530
Delta Torque:	9750 FT-LB
Delta Turns:	0.085

Notes: joint 318



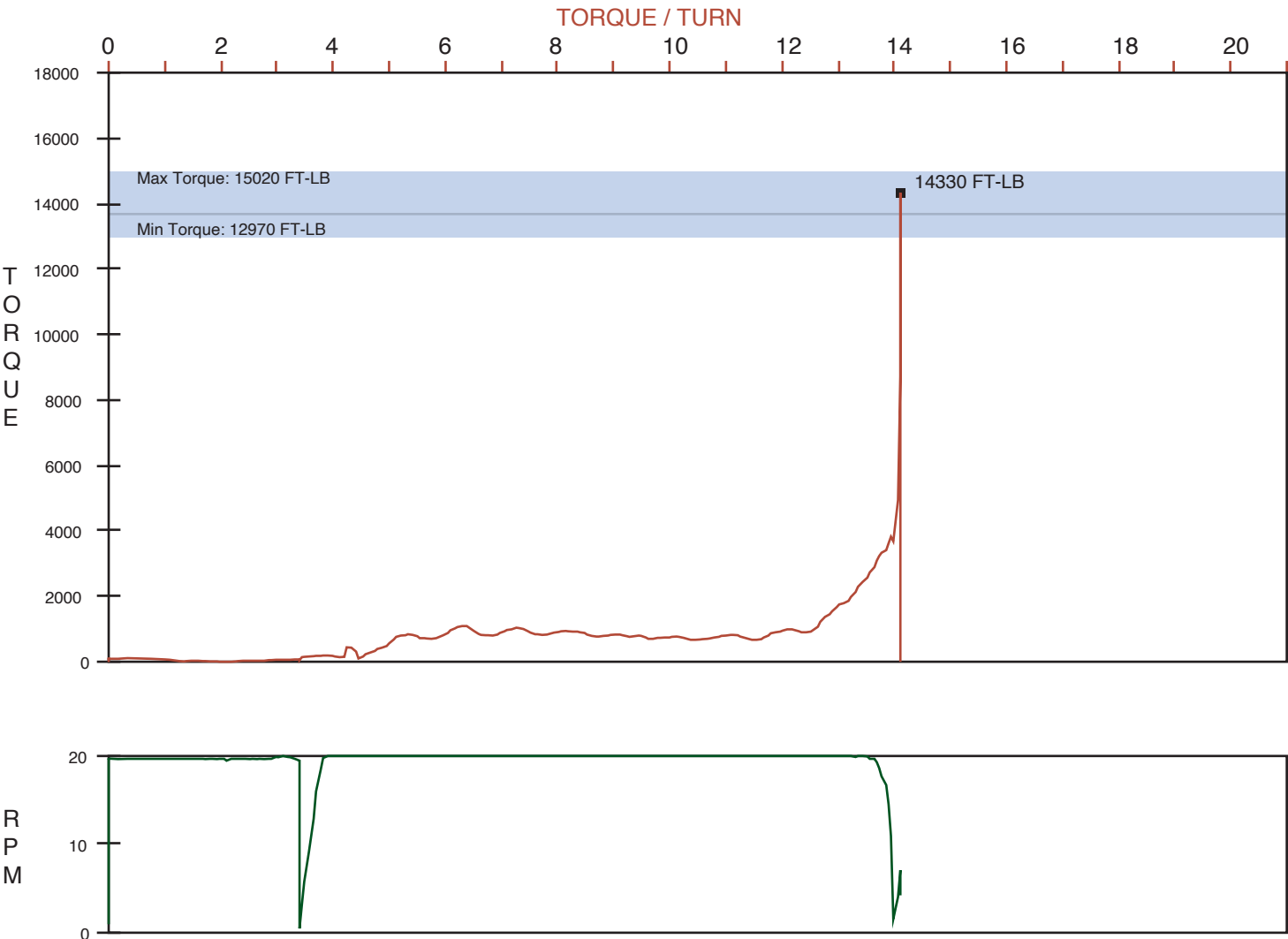
Joint #: 319

Count #: 319

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:20:19 PM	Heat/Lot#:	
Pipe Length:	37.822 ft		
Cumulative Length:	11920.461 ft		
Cumulative Weight:	273727.048 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14330 FT-LB
Final Turns:	14.115
Max RPM:	20.820
Delta Torque:	10650 FT-LB
Delta Turns:	0.139

Notes: joint 319



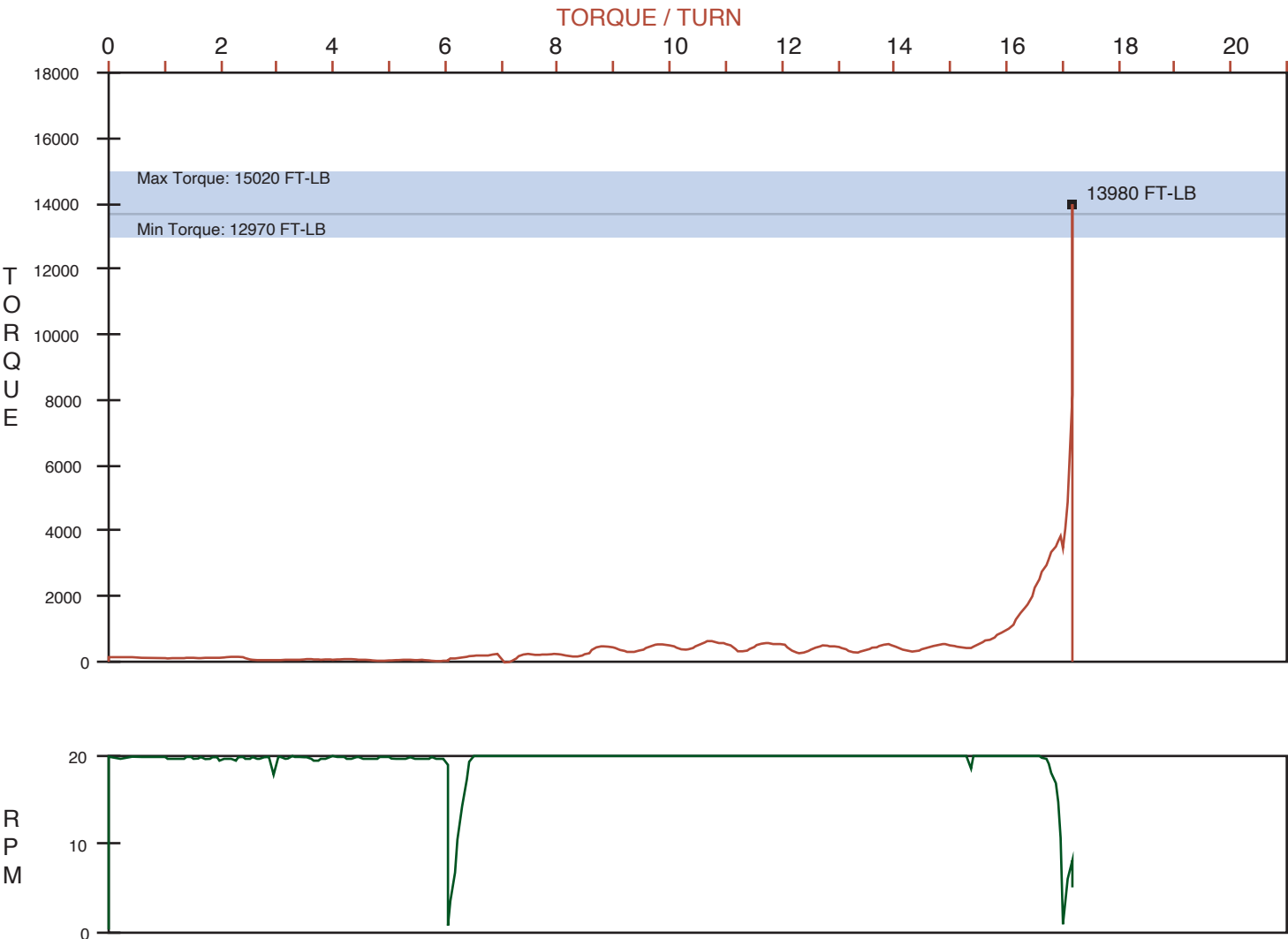
Joint #: 320

Count #: 320

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:24:19 PM	Heat/Lot#:	
Pipe Length:	35.925 ft		
Cumulative Length:	11956.386 ft		
Cumulative Weight:	274553.323 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	13980 FT-LB
Final Turns:	17.170
Max RPM:	22.680
Delta Torque:	9910 FT-LB
Delta Turns:	0.140

Notes: joint 320



**Joint #: 321****Count #: 321**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:28:05 PM	Heat/Lot#:	
Pipe Length:	37.254 ft		
Cumulative Length:	11993.640 ft		
Cumulative Weight:	275410.165 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 13620 FT-LB

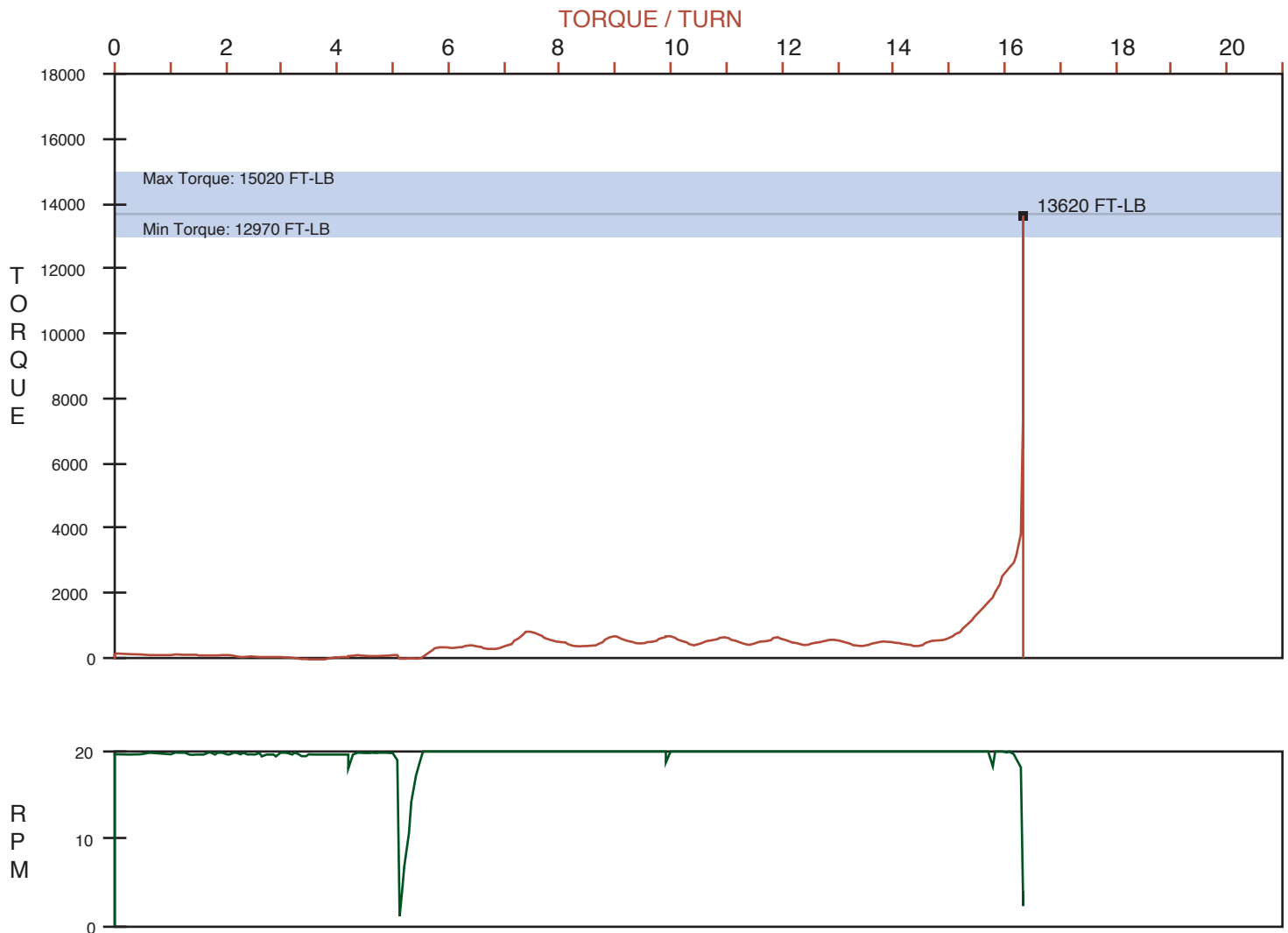
Final Turns: 16.344

Max RPM: 22.290

Delta Torque: 10470 FT-LB

Delta Turns: 0.152

Notes: joint 321



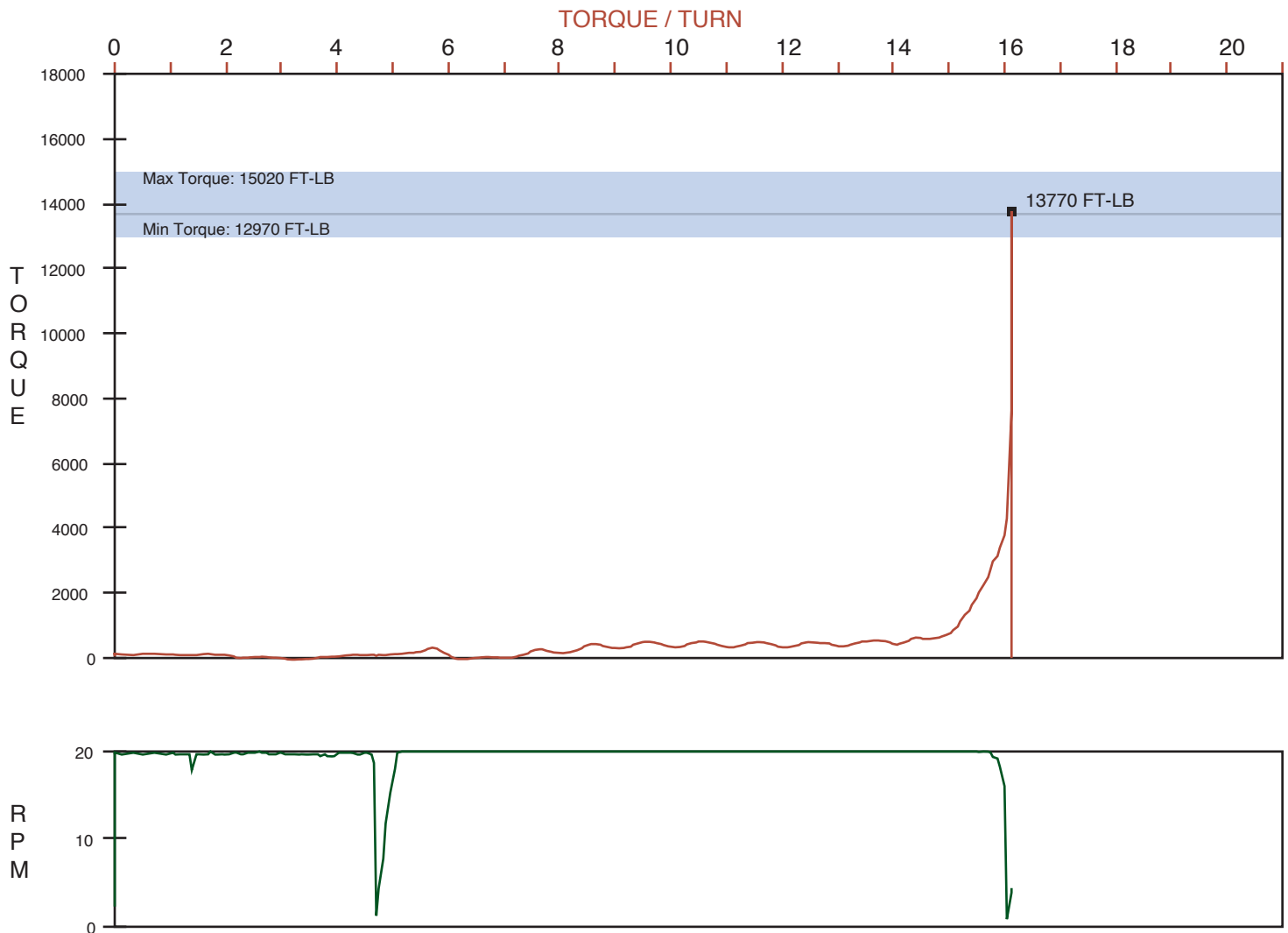


**Joint #: 322****Count #: 322**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:31:19 PM**

Heat/Lot#:

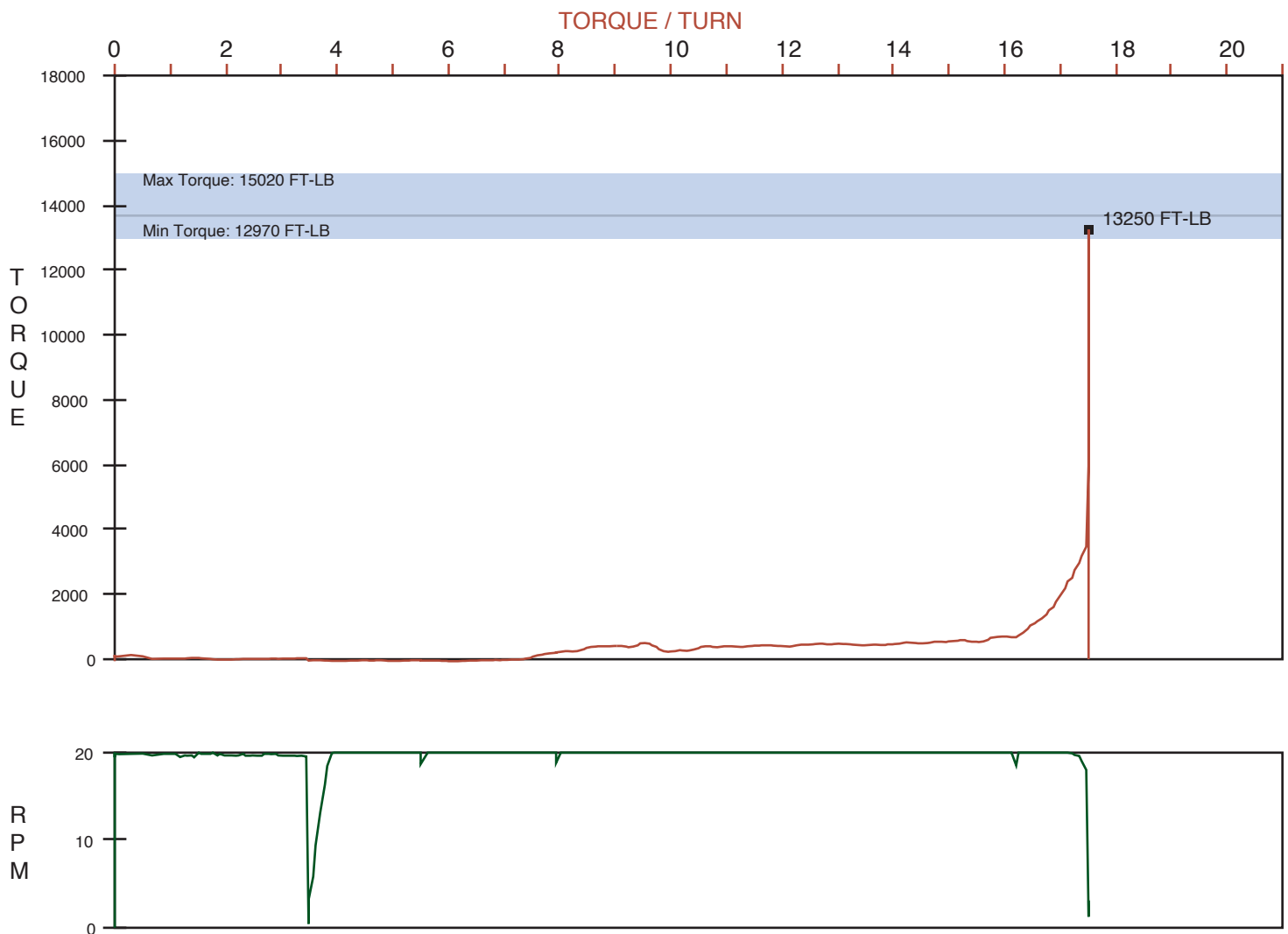
Pipe Length: **37.877 ft**Cumulative Length: **12031.517 ft**Cumulative Weight: **276281.336 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13770 FT-LB**Final Turns: **16.112**Max RPM: **21.450**Delta Torque: **9470 FT-LB**Delta Turns: **0.098**Notes: **joint 322**

**Joint #: 323****Count #: 323**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:36:10 PM**

Heat/Lot#:

Pipe Length: **34.324 ft**Cumulative Length: **12065.841 ft**Cumulative Weight: **277070.788 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13250 FT-LB**Final Turns: **17.512**Max RPM: **22.410**Delta Torque: **9780 FT-LB**Delta Turns: **0.066**Notes: **joint 323**

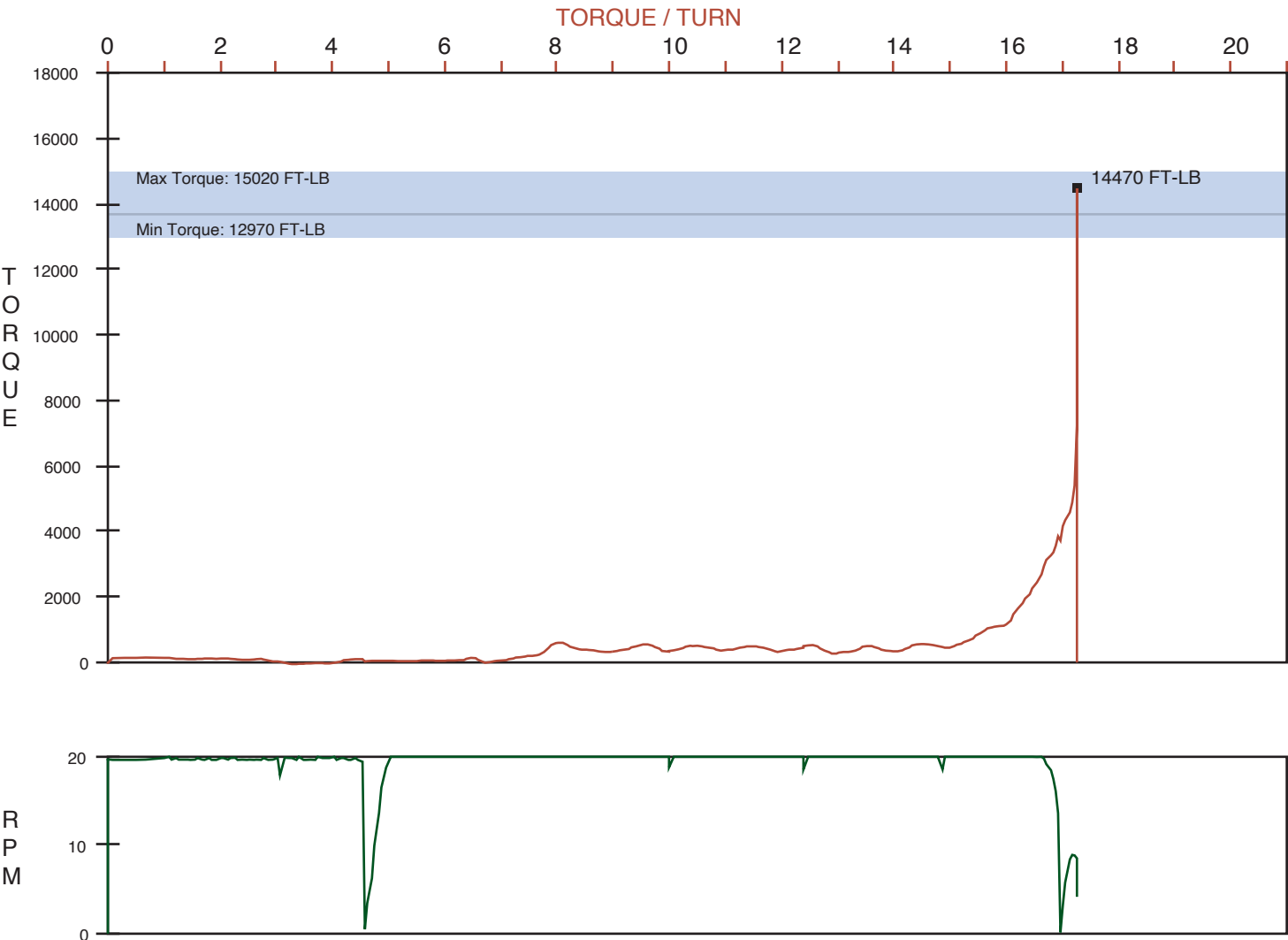
Joint #: 324

Count #: 324

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 5:40:45 PM	Heat/Lot#:	
Pipe Length:	37.254 ft		
Cumulative Length:	12103.095 ft		
Cumulative Weight:	277927.630 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

Final Torque:	14470 FT-LB
Final Turns:	17.273
Max RPM:	22.530
Delta Torque:	9590 FT-LB
Delta Turns:	0.141

Notes: joint 324

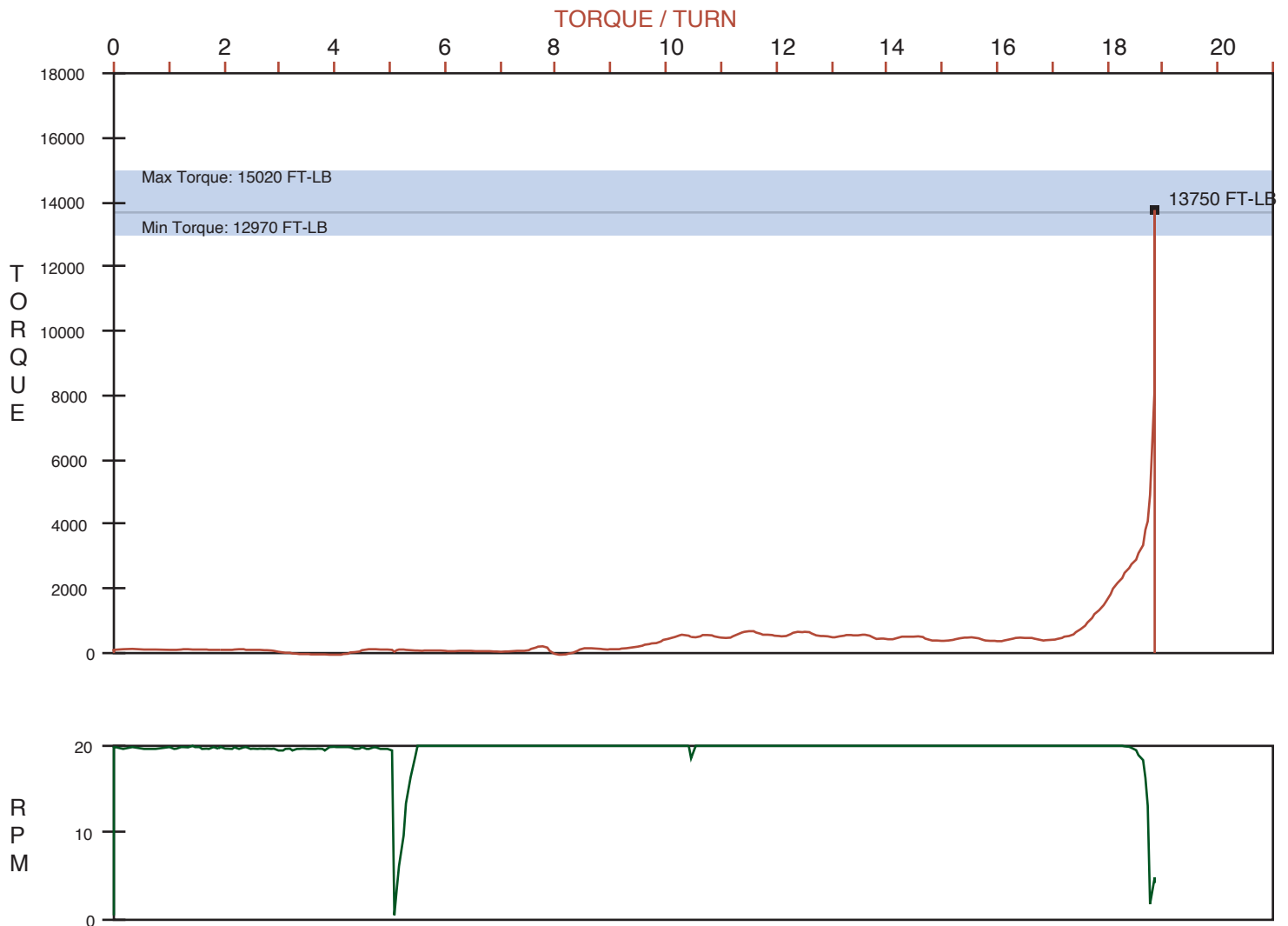


**Joint #: 325****Count #: 325**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:44:55 PM**

Heat/Lot#:

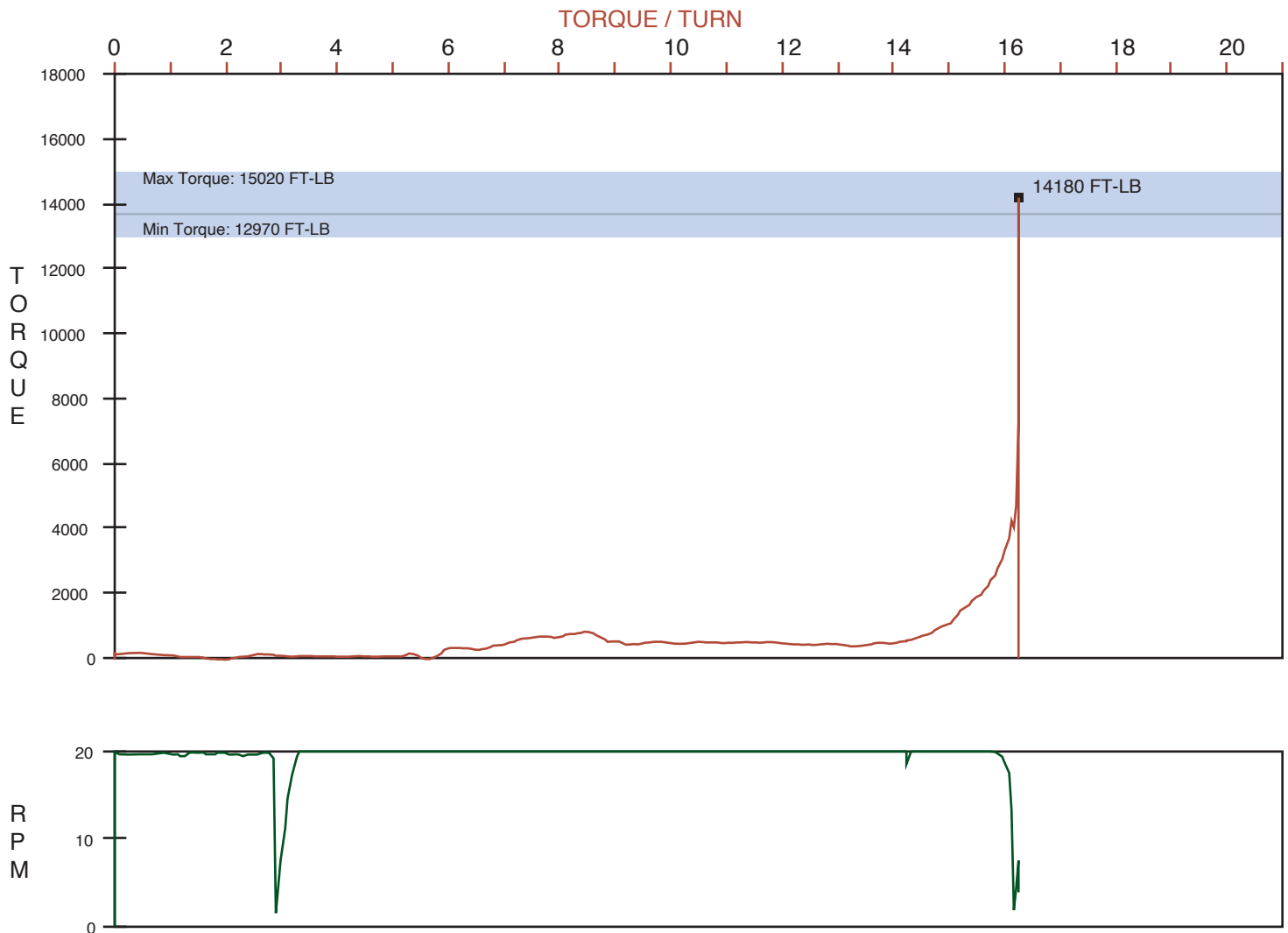
Pipe Length: **37.844 ft**Cumulative Length: **12140.939 ft**Cumulative Weight: **278798.042 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13750 FT-LB**Final Turns: **18.844**Max RPM: **22.260**Delta Torque: **10260 FT-LB**Delta Turns: **0.128**Notes: **joint 325**

**Joint #: 326****Count #: 326**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:49:09 PM**

Heat/Lot#:

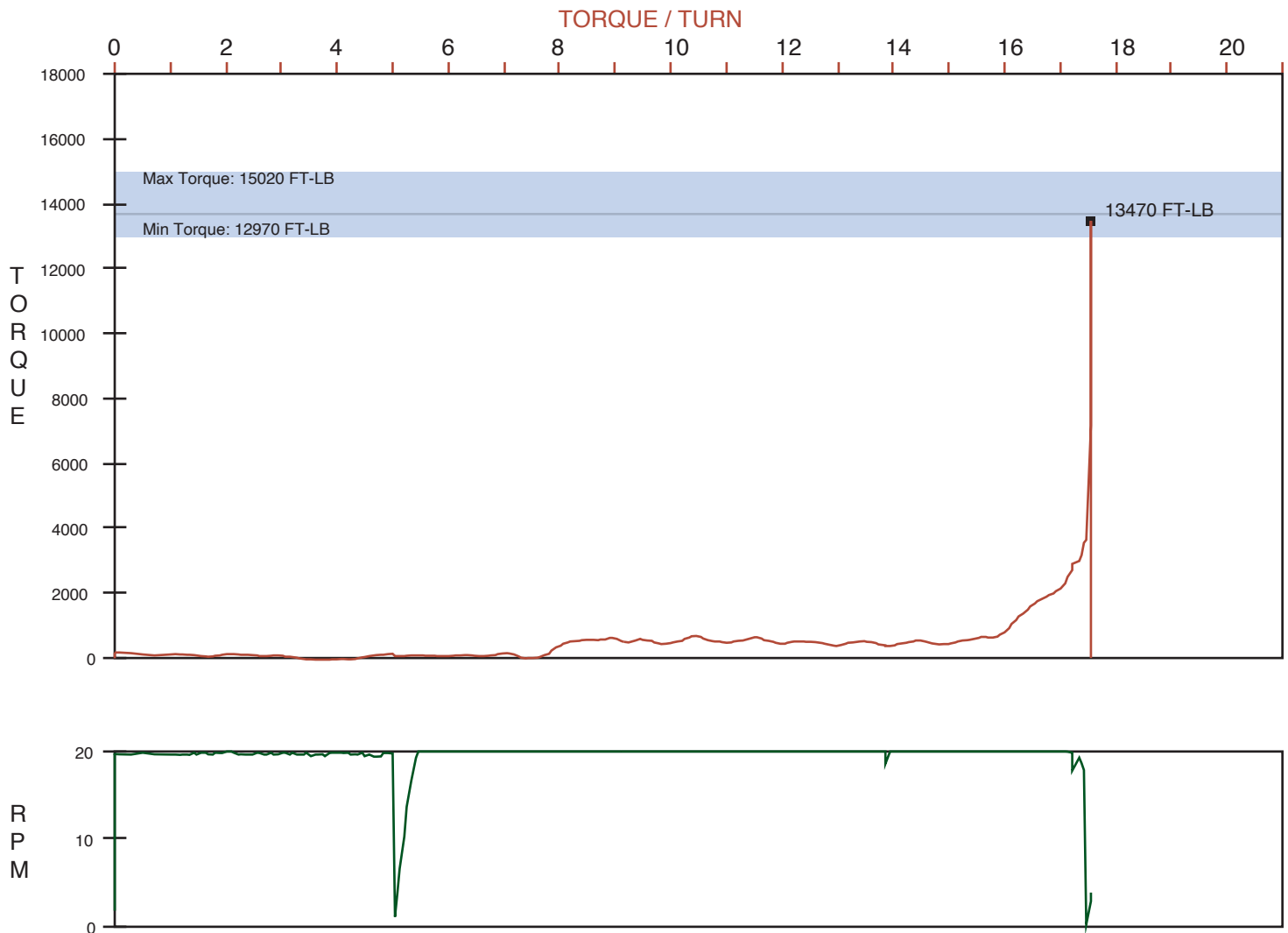
Pipe Length: **37.844 ft**Cumulative Length: **12178.783 ft**Cumulative Weight: **279668.454 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14180 FT-LB**Final Turns: **16.274**Max RPM: **22.650**Delta Torque: **10150 FT-LB**Delta Turns: **0.148**Notes: **joint 326**

**Joint #: 327****Count #: 327**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 5:52:27 PM**

Heat/Lot#:

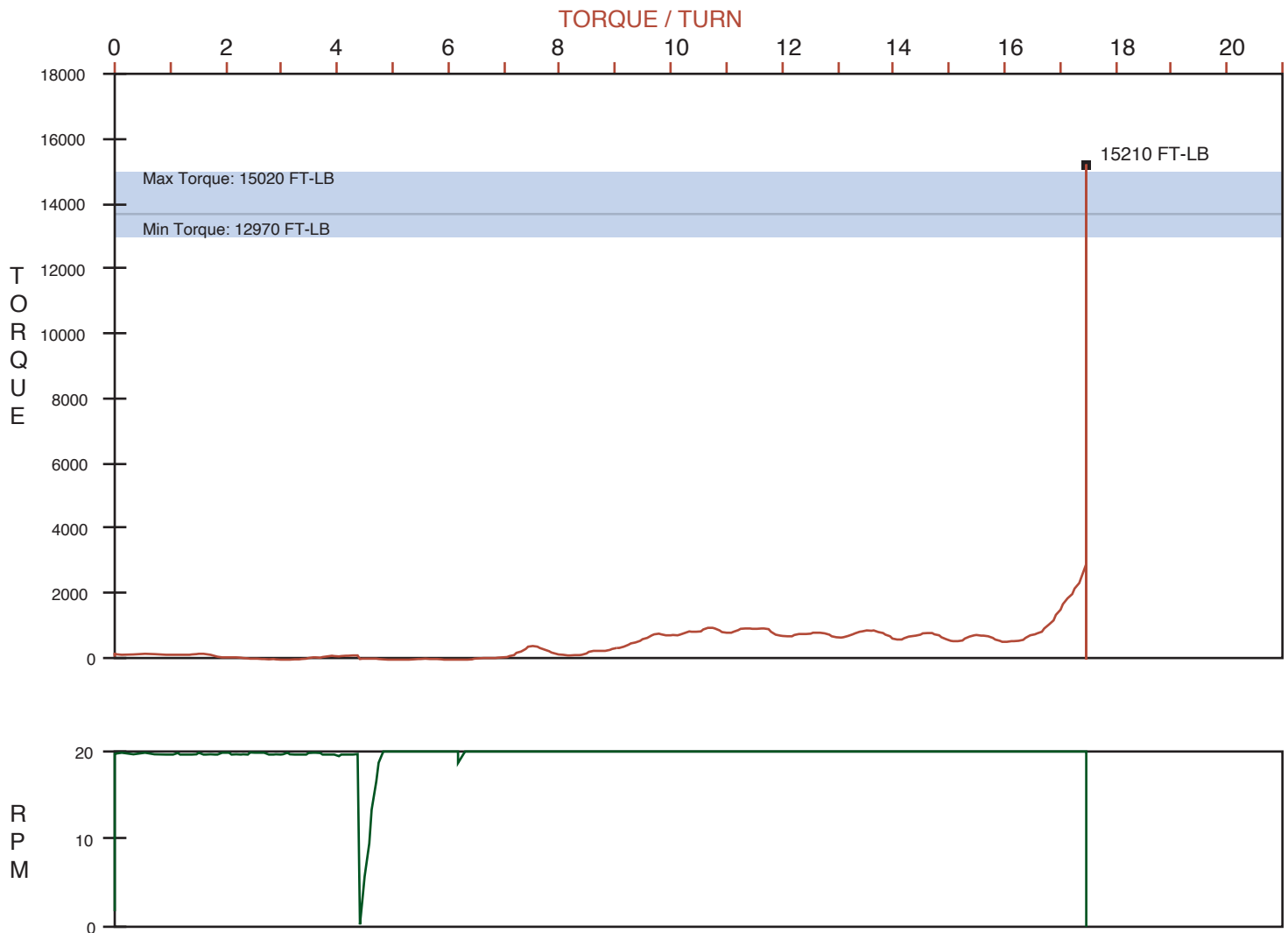
Pipe Length: **37.818 ft**Cumulative Length: **12216.601 ft**Cumulative Weight: **280538.268 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13470 FT-LB**Final Turns: **17.546**Max RPM: **22.290**Delta Torque: **8740 FT-LB**Delta Turns: **0.077**Notes: **joint 327**

■ **Joint #: 328****Count #: 328**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:07:30 PM**

Heat/Lot#:

Pipe Length: **37.815 ft**Cumulative Length: **12254.416 ft**Cumulative Weight: **281408.013 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **15210 FT-LB**Final Turns: **17.471**Max RPM: **22.590**Delta Torque: **0 FT-LB**Delta Turns: **0**Notes: **joint 328**

**Joint #: 329****Count #: 329**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:11:32 PM	Heat/Lot#:	
Pipe Length:	37.841 ft		
Cumulative Length:	12292.257 ft		
Cumulative Weight:	282278.356 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 13290 FT-LB

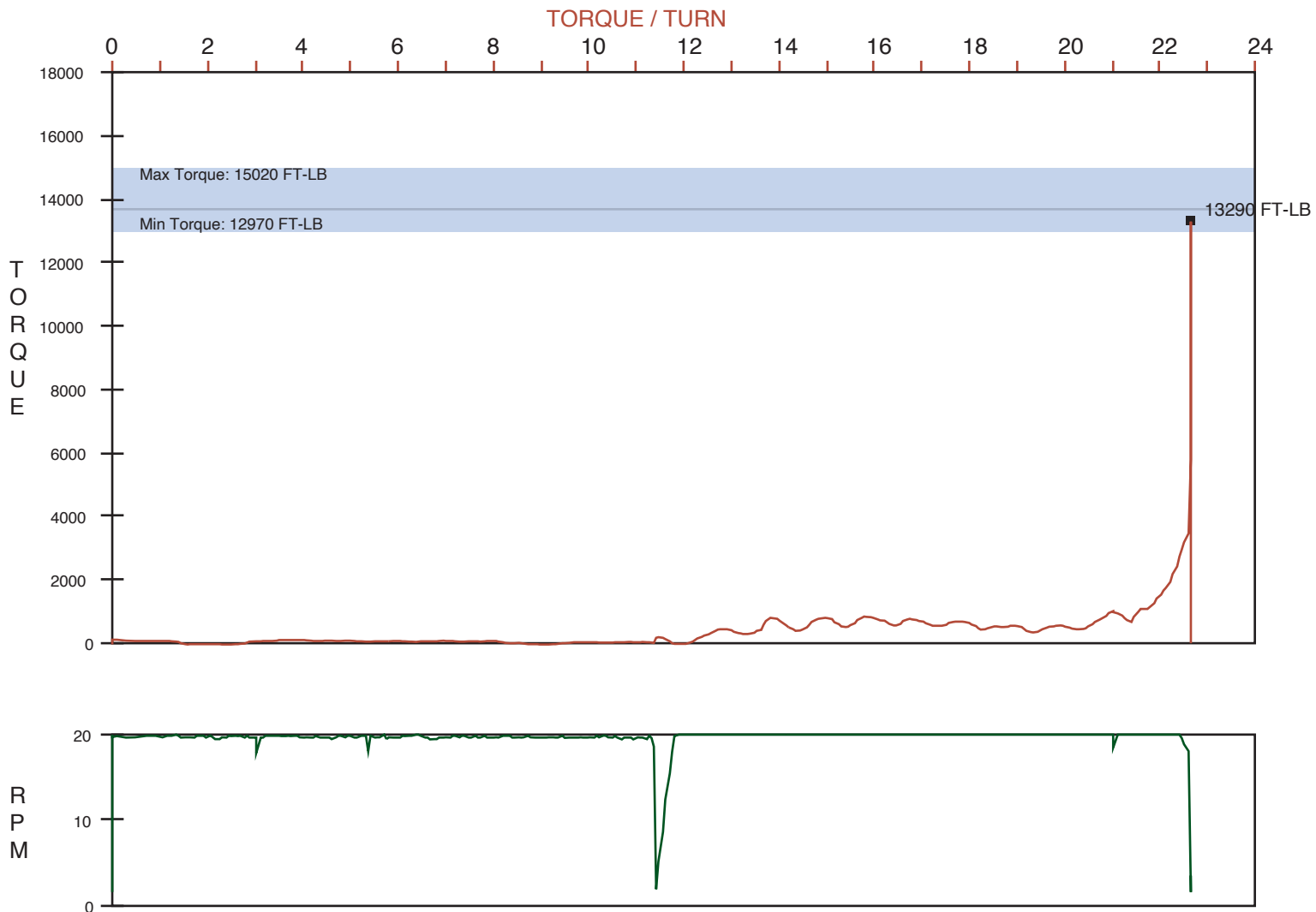
Final Turns: 22.675

Max RPM: 22.230

Delta Torque: 3500 FT-LB

Delta Turns: 0.023

Notes: joint 329



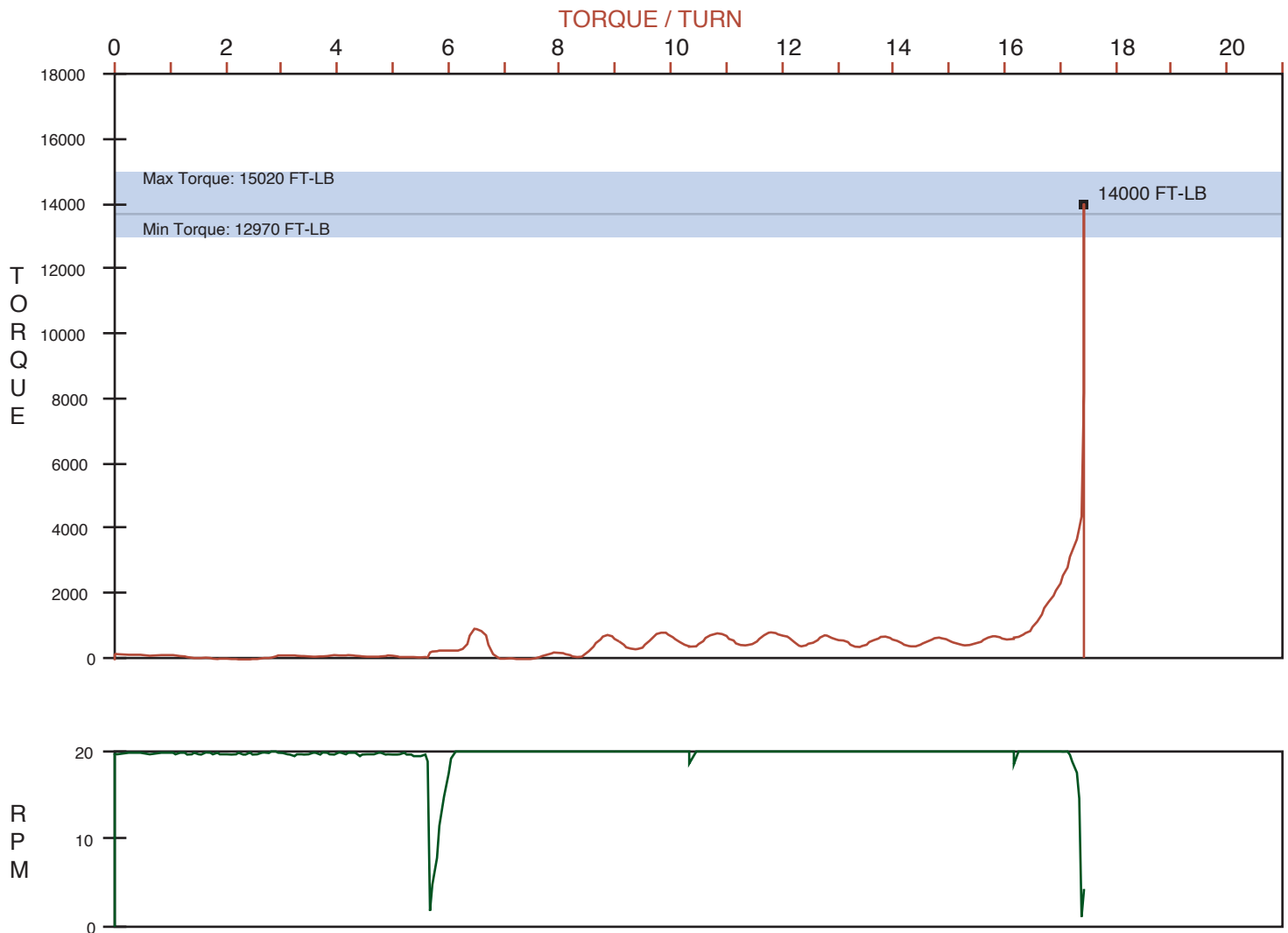


**Joint #: 330****Count #: 330**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:15:16 PM**

Heat/Lot#:

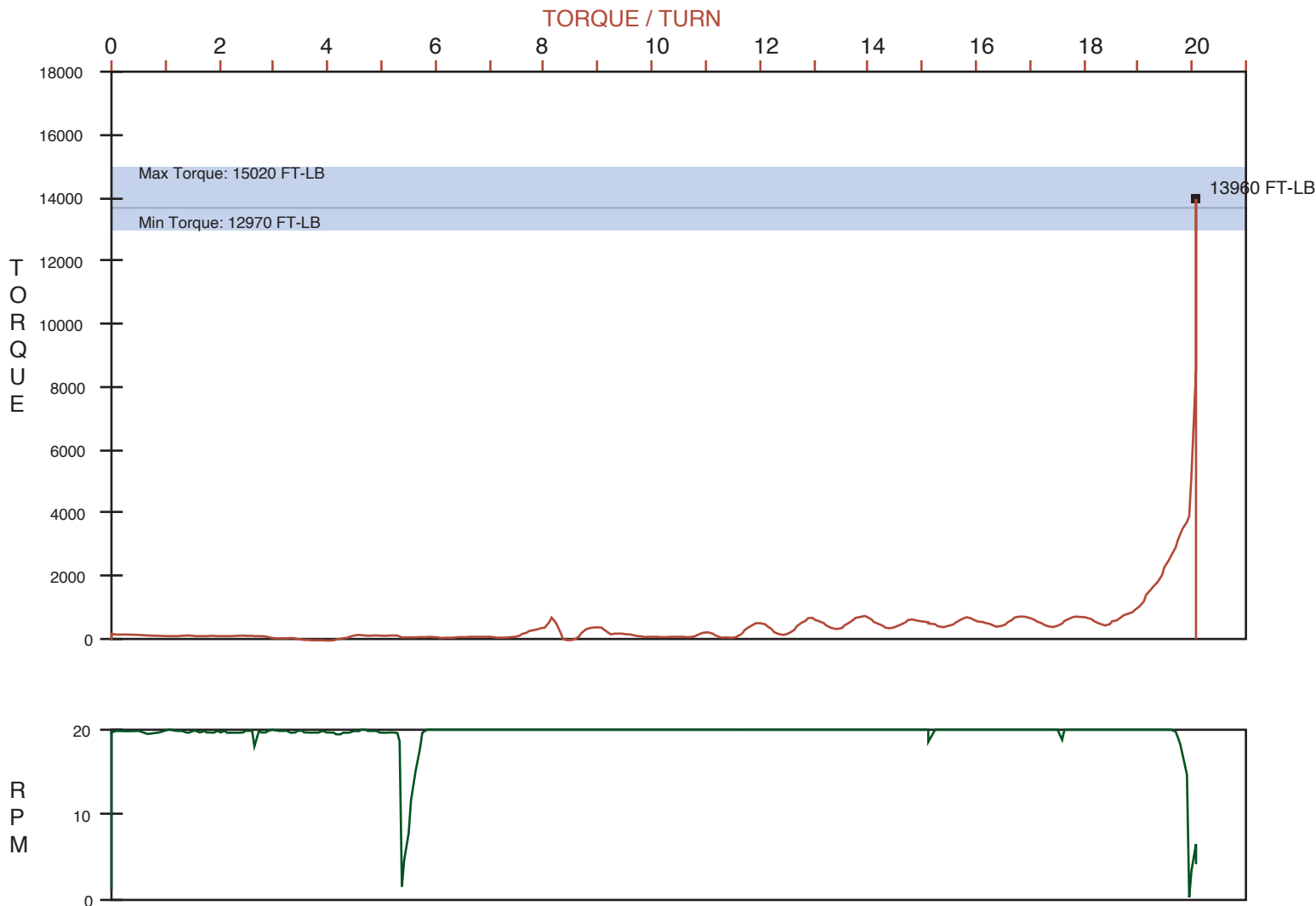
Pipe Length: **37.844 ft**Cumulative Length: **12330.101 ft**Cumulative Weight: **283148.768 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14000 FT-LB**Final Turns: **17.448**Max RPM: **22.470**Delta Torque: **3010 FT-LB**Delta Turns: **0.011**Notes: **joint 330**

**Joint #: 331****Count #: 331**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:19:13 PM**

Heat/Lot#:

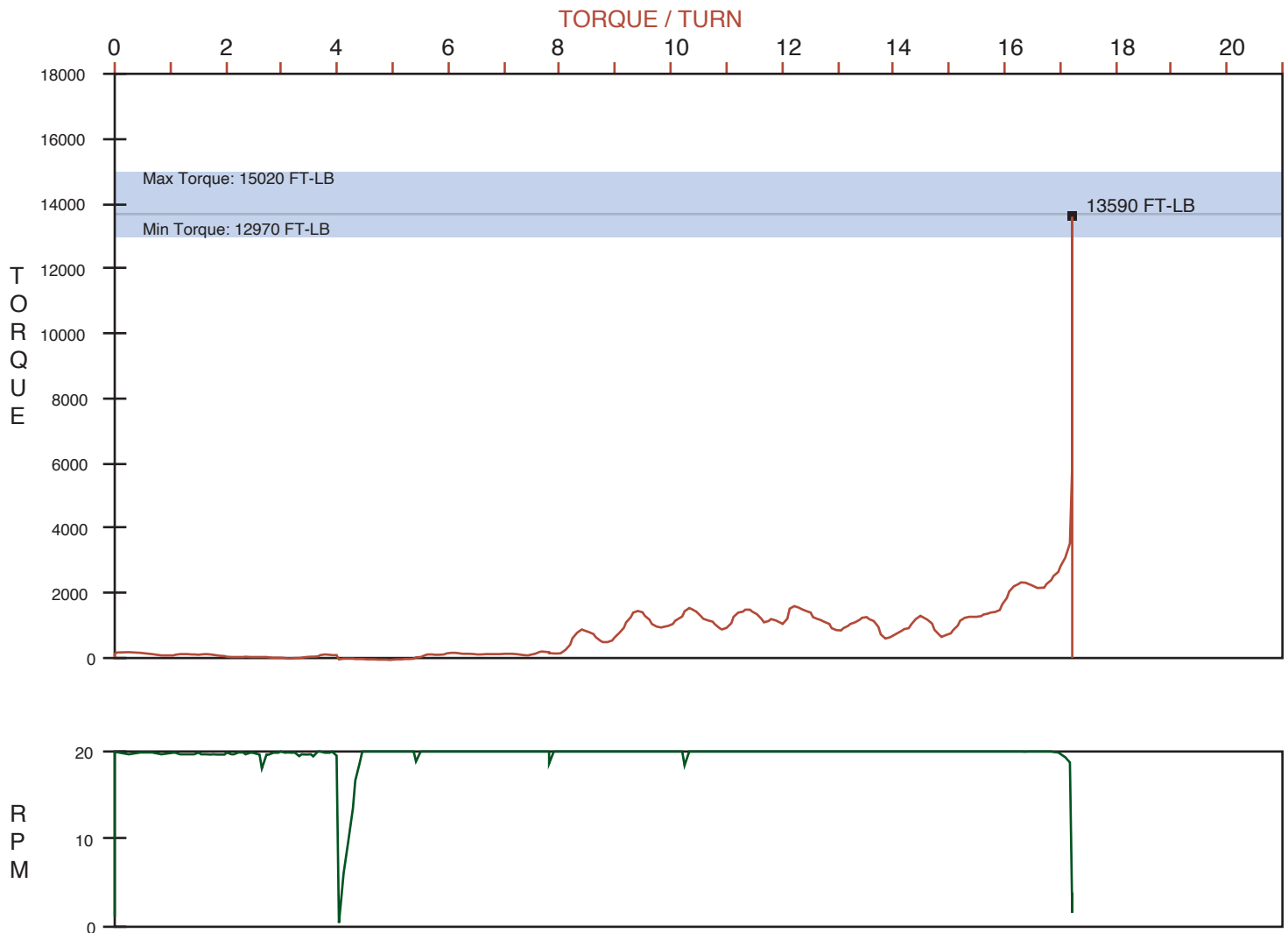
Pipe Length: **37.844 ft**Cumulative Length: **12367.945 ft**Cumulative Weight: **284019.180 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13960 FT-LB**Final Turns: **20.070**Max RPM: **22.560**Delta Torque: **4360 FT-LB**Delta Turns: **0.033**Notes: **joint 331**

**Joint #: 332****Count #: 332**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:23:03 PM**

Heat/Lot#:

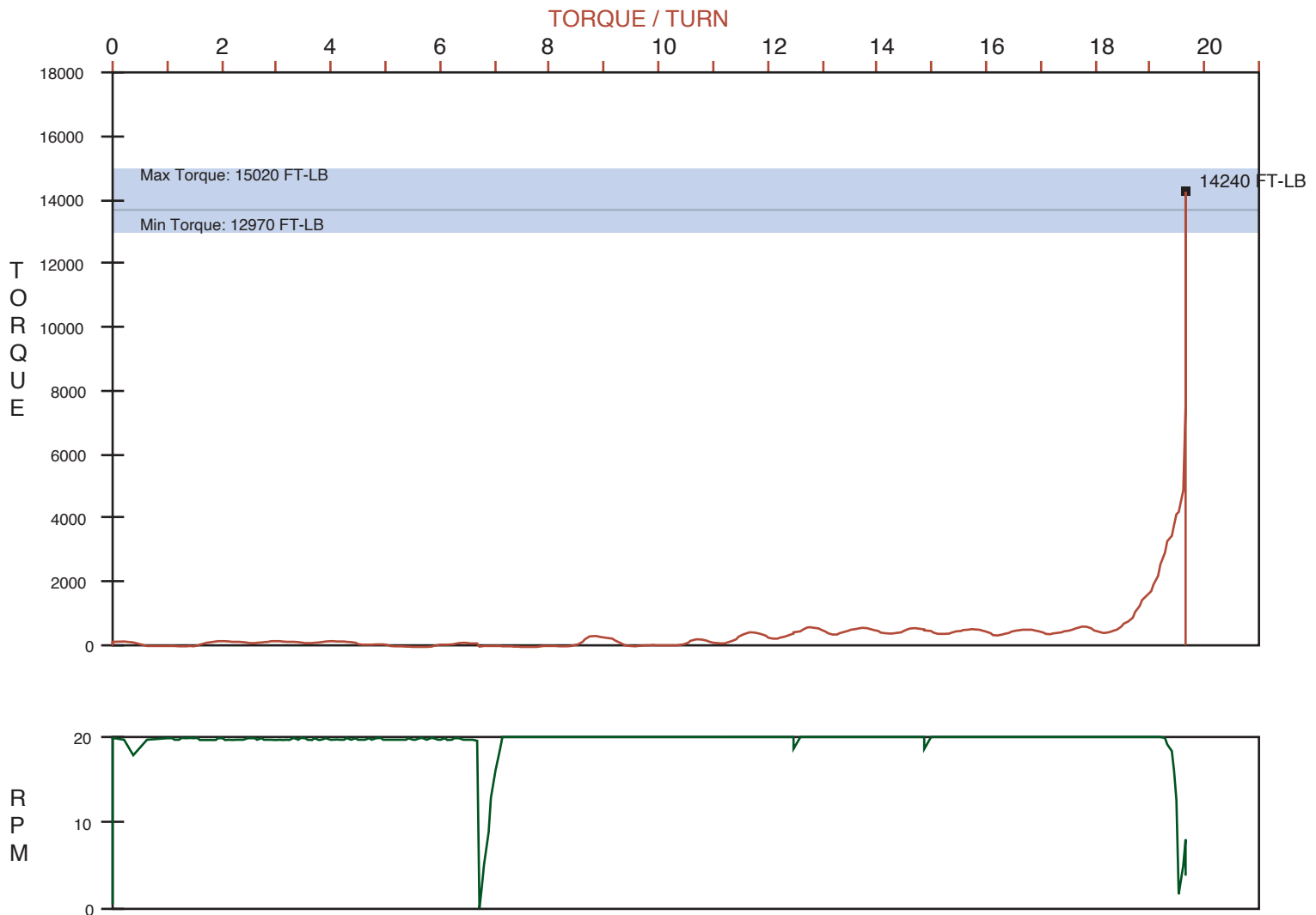
Pipe Length: **37.828 ft**Cumulative Length: **12405.773 ft**Cumulative Weight: **284889.224 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13590 FT-LB**Final Turns: **17.230**Max RPM: **22.5**Delta Torque: **3510 FT-LB**Delta Turns: **0.019**Notes: **joint 332**

**Joint #: 333****Count #: 333**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:26:40 PM**

Heat/Lot#:

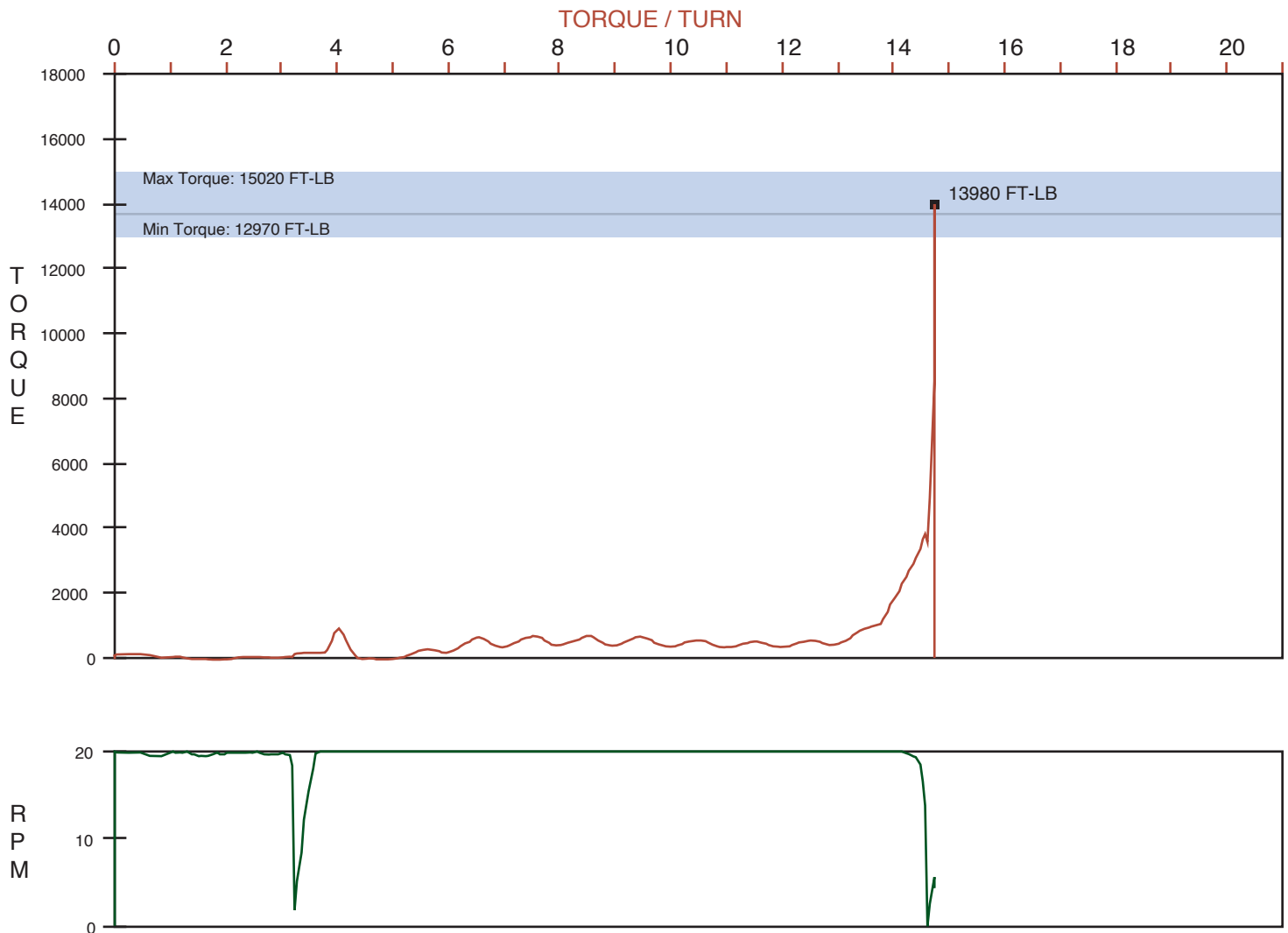
Pipe Length: **37.828 ft**Cumulative Length: **12443.601 ft**Cumulative Weight: **285759.268 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14240 FT-LB**Final Turns: **19.660**Max RPM: **22.770**Delta Torque: **9870 FT-LB**Delta Turns: **0.148**Notes: **joint 333**

**Joint #: 334****Count #: 334**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:31:29 PM**

Heat/Lot#:

Pipe Length: **37.831 ft**Cumulative Length: **12481.432 ft**Cumulative Weight: **286629.381 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **13980 FT-LB**Final Turns: **14.737**Max RPM: **20.970**Delta Torque: **10410 FT-LB**Delta Turns: **0.143**Notes: **joint 334**

**Joint #: 335****Count #: 335**

Job:	5.5 production casing	Serial#:	
Time:	10/15/2023 6:36:56 PM	Heat/Lot#:	
Pipe Length:	35.217 ft		
Cumulative Length:	12516.649 ft		
Cumulative Weight:	287439.372 lbs		
Pipe:	5.5 in   Q125   23 lbsft   VAxplorer   VAxplorer   Casing		

■ Final Torque: 13180 FT-LB

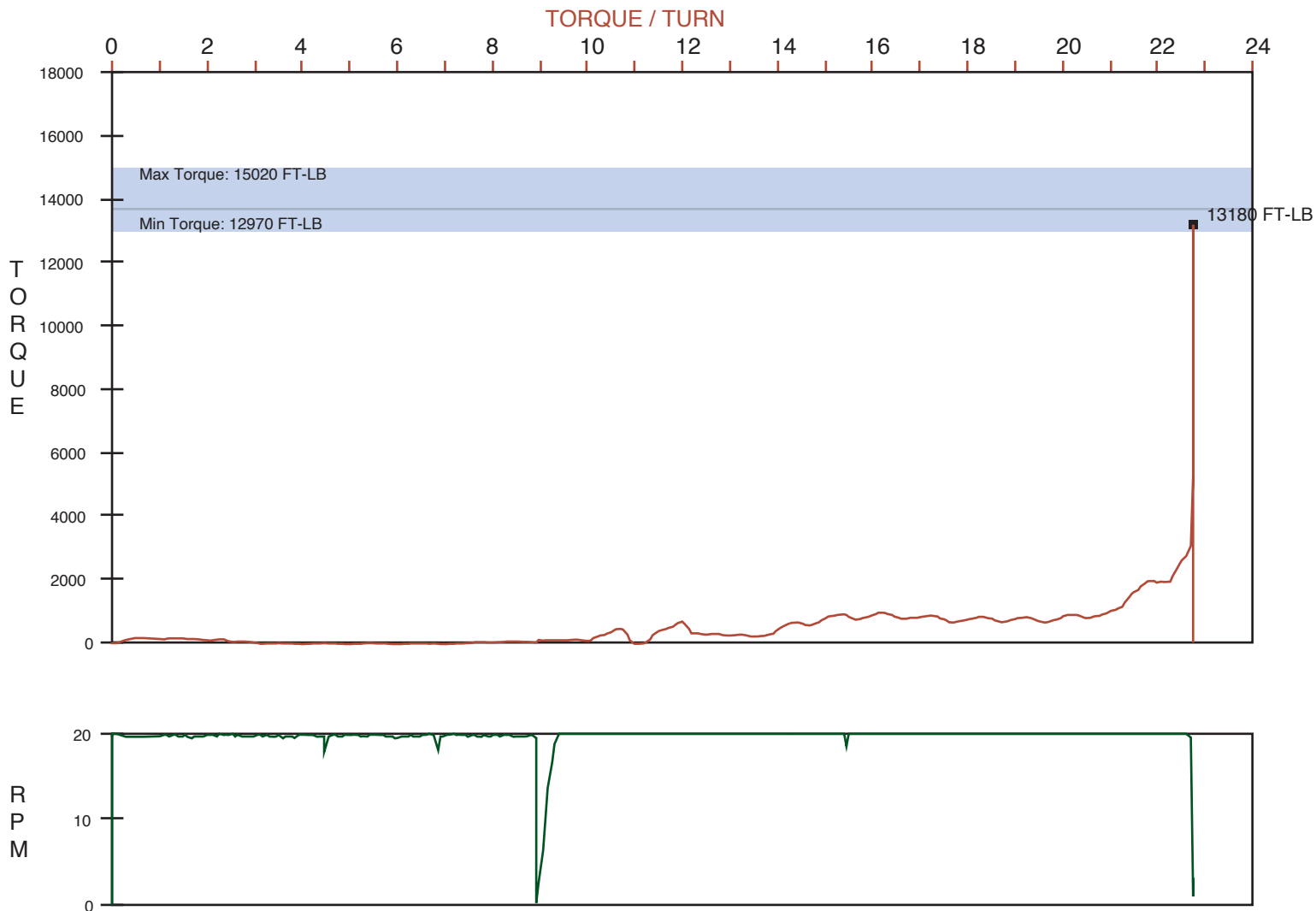
Final Turns: 22.74

Max RPM: 22.410

Delta Torque: 9870 FT-LB

Delta Turns: 0.07

Notes: joint 335

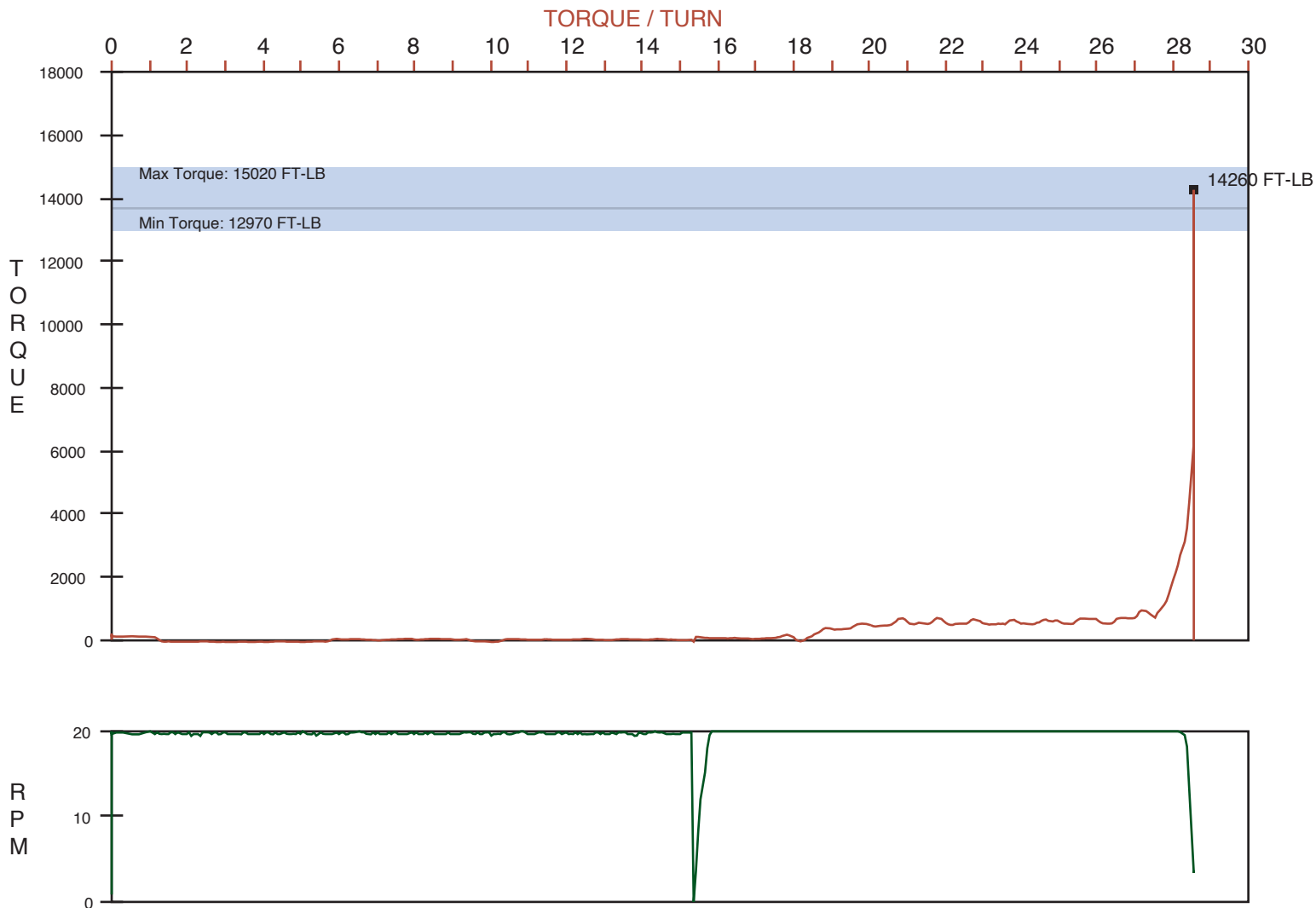


**Joint #: 336****Count #: 336**Job: **5.5 production casing**

Serial#:

Time: **10/15/2023 6:44:35 PM**

Heat/Lot#:

Pipe Length: **51.040 ft**Cumulative Length: **12567.689 ft**Cumulative Weight: **288613.292 lbs**Pipe: **5.5 in | Q125 | 23 lbsft | VAxplorer | VAxplorer | Casing**■ Final Torque: **14260 FT-LB**Final Turns: **28.534**Max RPM: **20.880**Delta Torque: **7110 FT-LB**Delta Turns: **0.049****Notes: pup D + pup E + hanger assembly**



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