

CLOSED CIRCUIT HYDROSIZER TESTS

TEST 1	kg	WT%	HM	GARNET	AMPHIBOLE	ILMENITE	OTHER	HM	GARNET	AMPHIBOLE	ILMENITE	OTHER
60% SG / MED H2O			GRDE %	GRDE %	GRDE %	GRDE %	GRDE %	DIST %	DIST %	DIST %	DIST %	DIST %
UNDERFLOW	5964	85.1	46.0	6.0	37.3	0.3	2.2	88.4	95.4	88.0	80.8	79.0
OVERFLOW	1048	14.9	34.3	1.7	28.9	0.3	3.3	11.6	4.6	12.0	19.2	21.0
FEED	7012	100.0	44.3	5.3	36.0	0.3	2.4	100.0	100.0	100.0	100.0	100.0

TEST 2	kg	WT%	HM	GARNET	AMPHIBOLE	ILMENITE	OTHER	HM	GARNET	AMPHIBOLE	ILMENITE	OTHER
70% SG / HIGH H2O			GRDE %	GRDE %	GRDE %	GRDE %	GRDE %	DIST %	DIST %	DIST %	DIST %	DIST %
UNDERFLOW	2064	38.8	48.1	9.7	35.9	0.4	2.0	41.5	56.6	40.0	42.1	24.3
OVERFLOW	3256	61.2	43.0	4.7	34.1	0.4	3.9	58.5	43.4	60.0	57.9	75.7
FEED	5320	100.0	45.0	6.7	34.8	0.4	3.1	100.0	100.0	100.0	100.0	100.0

TEST 3	kg	WT%	HM	GARNET	AMPHIBOLE	ILMENITE	OTHER	HM	GARNET	AMPHIBOLE	ILMENITE	OTHER
40% SLDS / LOW H2O			GRDE %	GRDE %	GRDE %	GRDE %	GRDE %	DIST %	DIST %	DIST %	DIST %	DIST %
UNDERFLOW	5632	96.0	44.0	7.6	34.6	0.2	1.5	97.0	99.5	97.2	89.8	82.7
OVERFLOW	234	4.0	32.9	0.9	23.8	0.7	7.6	3.0	0.5	2.8	10.2	17.3
FEED	5866	100.0	43.6	7.3	34.2	0.3	1.7	100.0	100.0	100.0	100.0	100.0

HYDROSIZER: TEST 1

RECOVERY TO U/FLOW	WT	HM	FREE QTZ	GARNET	AMPHIBOLE	ILMENITE	OTHER
SIZE FRACT	TEST 1	TEST 1	TEST 1	TEST 1	TEST 1	TEST 1	TEST 1
+1700	100.0	100.0	100.0	100.0	100.0	100.0	100.0
+710	100.0	100.0	100.0	100.0	100.0	100.0	100.0
+425	100.0	100.0	100.0	100.0	100.0	100.0	100.0
+260	99.1	99.9	98.2	100.0	100.0	100.0	100.0
+180	70.1	86.3	56.0	97.0	86.0	100.0	76.8
+150	63.6	73.3	53.5	93.9	70.8	100.0	66.9
+90	55.7	59.9	51.0	68.1	55.5	93.5	74.0
-90	51.7	52.1	51.5	53.7	51.0	62.2	55.9

HYDROSIZER: TEST 2

RECOVERY TO U/FLOW	WT	HM	FREE QTZ	GARNET	AMPHIBOLE	ILMENITE	OTHER
SIZE FRACT	TEST 2	TEST 2	TEST 2	TEST 2	TEST 2	TEST 2	TEST 2
+1700	100.0	100.0	100.0	100.0	100.0	100.0	100.0
+710	92.2	97.5	90.0	98.2	97.1	100.0	0.0
+425	63.2	79.3	54.8	82.6	77.2	100.0	93.8
+260	35.5	43.0	29.6	55.9	40.0	100.0	47.8
+180	29.4	31.7	26.8	36.0	31.9	100.0	14.9
+150	31.2	33.5	28.3	32.0	34.7	100.0	18.8
+90	27.0	28.8	24.8	35.3	32.4	34.3	13.5
-90	22.4	23.9	21.7	29.2	23.7	27.4	20.8

HYDROSIZER: TEST 3

RECOVERY TO U/FLOW	WT	HM	FREE QTZ	GARNET	AMPHIBOLE	ILMENITE	OTHER
SIZE FRACT	TEST 3	TEST 3	TEST 3	TEST 3	TEST 3	TEST 3	TEST 3
+1700	100.0	100.0	100.0	100.0	100.0	100.0	100.0
+710	100.0	100.0	100.0	100.0	100.0	100.0	100.0
+425	100.0	100.0	100.0	100.0	100.0	100.0	100.0
+260	100.0	100.0	100.0	100.0	100.0	100.0	100.0
+180	99.5	99.9	98.9	100.0	99.9	100.0	99.7
+150	94.7	98.8	87.9	100.0	98.8	100.0	97.8