

Horas Dispo Load3	Horas	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02	664.02
Horas Utilizables Load1	Horas	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24
Horas utilizables Load2	Horas	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24
Horas utilizables Load3	Horas	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24	581.24
Tiempo de Carguio L1	Seg	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
Tiempo de Cuadrado L1	Seg	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
Tiempo de Carguio L2	Seg	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
Tiempo de Cuadrado L2	Seg	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71	71
Tiempo de Carguio L3	Seg	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167	167
Tiempo de Cuadrado L3	Seg	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74
Tiempo Efectivo Carguio L1	Horas	-	5.84	25.92	70.69	102.35	122.40	142.48	155.22	171.43	187.63	198.82	217.30	216.82	232.37	231.72	237.11	234.60
Tiempo Efectivo Spot L1	Horas	-	3.37	14.97	40.84	59.12	70.71	82.31	89.67	99.03	108.39	114.85	125.53	125.25	134.23	133.86	136.97	135.52
Tiempo Efectivo Carguio L2	Horas	41.78	47.65	67.77	69.70	81.40	101.49	121.47	129.20	145.30	161.50	172.63	244.87	266.15	270.38	283.83	287.03	294.10
Tiempo Efectivo Spot L2	Horas	24.14	27.53	39.15	40.26	47.02	58.63	70.17	74.63	83.93	93.30	99.72	141.45	153.75	156.19	163.96	165.81	169.89
Tiempo Efectivo Carguio L3	Horas	-	-	-	-	-	-	-	14.00	14.09	14.23	35.43	82.26	88.44	106.25	113.93	136.15	180.05
Tiempo Efectivo Spot L3	Horas	-	-	-	-	-	-	-	6.22	6.26	6.32	15.75	36.56	39.31	47.22	50.63	60.51	80.02
Cobertura Pala L1	%	0.0%	1.6%	7.0%	19.2%	27.8%	33.2%	38.7%	42.1%	46.5%	50.9%	54.0%	59.0%	58.9%	63.1%	62.9%	64.4%	63.7%
Cobertura Pala L2	%	11.3%	12.9%	18.4%	18.9%	22.1%	27.5%	33.0%	35.1%	39.4%	43.8%	46.9%	66.5%	72.2%	73.4%	77.0%	77.9%	79.8%
Cobertura Pala L3	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	3.5%	3.5%	8.8%	20.4%	22.0%	26.4%	28.3%	33.8%	44.7%
Waiting Truck L1	%	100.0%	98.4%	93.0%	80.8%	72.2%	66.8%	61.3%	57.9%	53.5%	49.1%	46.0%	41.0%	41.1%	36.9%	37.1%	35.6%	36.3%
Waiting Truck L2	%	88.7%	87.1%	81.6%	81.1%	77.9%	72.5%	67.0%	64.9%	60.6%	56.2%	53.1%	33.5%	27.8%	26.6%	23.0%	22.1%	20.2%
Waiting Truck L3	%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	96.5%	96.5%	96.5%	91.2%	79.6%	78.0%	73.6%	71.7%	66.2%	55.3%
Horas Cobertura Pala	Horas	65.92	84.39	147.82	221.49	289.90	353.22	416.43	468.93	520.04	571.37	637.21	847.96	889.71	946.64	977.93	1,023.57	1,094.18
Horas Espera Pala	Horas	1,677.80	1,659.33	1,595.90	1,522.23	1,453.82	1,390.50	1,327.29	1,274.79	1,223.68	1,172.35	1,106.51	895.77	854.01	797.08	765.80	720.15	649.54
Cobertura Pala	%	3.8%	4.84%	8.5%	12.7%	16.6%	20.3%	23.9%	26.9%	29.8%	32.8%	36.5%	48.6%	51.0%	54.3%	56.1%	58.7%	62.7%
Espera Volquetes	%	96.2%	95.2%	91.5%	87.3%	83.4%	79.7%	76.1%	73.1%	70.2%	67.2%	63.5%	51.4%	49.0%	45.7%	43.9%	41.3%	37.3%
Productividad L1	Tn/hr	-	43	192	524	759	908	1,057	1,151	1,271	1,392	1,475	1,612	1,608	1,723	1,718	1,758	1,740
Productividad L2	Tn/hr	310	353	503	517	604	753	901	958	1,078	1,198	1,280	1,816	1,974	2,005	2,104	2,128	2,180
Productividad L3	Tn/hr	-	-	-	-	-	-	-	77	77	78	194	450	484	582	624	746	986
Horas Queue L1	Hr	-	-	-	-	-	-	-	-	-	0.1	25.1	143.0	156.2	170.4	194.1	180.3	236.6
Horas Queue L2	Hr	-	0.0	0.0	0.0	0.0	0.1	0.1	16.7	20.7	24.7	28.7	80.2	102.5	150.5	146.6	194.0	239.6
Horas Queue L3	Hr	-	-	-	-	-	-	-	1.9	2.0	2.2	4.2	35.6	65.1	53.8	72.5	74.0	92.5
Hora Queue Sistema	Hr	-	0.00	0.01	0.02	0.04	0.06	0.09	18.63	22.68	27.00	57.99	258.85	323.79	374.65	413.15	448.27	568.79
% Tiempo Cola	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.5%	0.9%	3.0%	3.5%	3.8%	3.9%	4.1%	4.9%
QH	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.3%	0.3%	0.6%	1.5%	1.7%	1.7%	1.7%	1.7%	1.8%
Match Factor= n*(tc+ts)/m*tq	%	3.78%	4.84%	8.48%	12.70%	16.63%	20.26%	23.88%	26.89%	29.82%	32.77%	36.54%	48.63%	51.02%	54.29%	56.08%	58.70%	62.75%
Match Factor= (1-%E)*t(-q)/((1-%Q)*tq)	%	3.78%	4.84%	8.48%	12.70%	16.63%	20.26%	23.88%	26.89%	29.82%	32.77%	36.54%	48.63%	51.02%	54.29%	56.08%	58.70%	62.75%
Match Factor= 1-%E	%	3.78%	4.84%	8.48%	12.70%	16.63%	20.26%	23.88%	26.89%	29.82%	32.77%	36.54%	48.63%	51.02%	54.29%	56.08%	58.70%	62.75%
Horas Queue Crusher	Hr	-	0.0	0.0	0.2	0.0	0.0	0.3	83.8	190.7	297.1	332.3	273.8	267.0	273.4	471.6	658.0	660.5
% Tiempo en Cola Crusher	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	3.6%	5.1%	5.2%	3.1%	2.9%	2.8%	4.5%	6.0%	5.7%
Troughput Crusher Mina	Tn/hr	0	44	192	523	757	906	1,054	1,111	1,231	1,351	1,491	1,586	1,556	1,626	1,597	1,638	1,651
% Tiempo Cola Sistema Total	%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	4.1%	5.6%	6.1%	6.1%	6.4%	6.6%	8.5%	10.0%	10.6%
Productividad Operativa	Tn/hr	310	198	232	260	273	277	280	273	270	267	268	259	254	254	247	244	245
Perdida de Producción por Queue	Tons	-	1	3	6	11	17	24	5,092	6,113	7,202	15,547	66,917	82,281	94,987	102,066	109,287	139,521
Costo unitario de acarreo	\$/hr	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224	224
Costo unitario de carguio	\$/hr	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560	560
Costo acarreo	\$	130,197.89	260,396	390,594	520,792	650,989	781,187	911,385	1,041,583	1,171,781	1,301,979	1,432,177	1,952,968	2,083,166	2,213,364	2,343,562	2,473,760	2,603,958
Costo Carguio	\$	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484	976,484
Costo Total	\$	1,106,682	1,236,880	1,367,078	1,497,276	1,627,474	1,757,672	1,887,869	2,018,067	2,148,265	2,278,463	2,408,661	2,929,453	3,059,651	3,189,848	3,320,046	3,450,244	3,580,442
Costo de carguio y acarreo	\$/Tn	6.144	5.364	3.385	2.474	2.055	1.821	1.659	1.588	1.523	1.470	1.405	1.300	1.295	1.273	1.285	1.281	1.256
Costo unitario 2	\$/Tn Prod	6.14	5.36	3.39	2.47	2.06	1.82	1.66	1.59	1.52	1.47	1.41	1.30	1.30	1.27	1.29	1.28	1.26
Costo unitario 3	\$/Tn Acarreada	0.72	1.13	0.97	0.86	0.82	0.81	0.80	0.82	0.83	0.84	0.84	0.87	0.88	0.88	0.91	0.92	0.91
Ciclo de Carguio Promedio	min/ciclo	3.25	3.25	3.25	3.25	3.25	3.25	3.25	3.28	3.27	3.27	3.30	3.34	3.34	3.36	3.36	3.38	3.41
Ciclo de Acarreo Mina Metedo Antiguo	min/ciclo	33.37	49.71	43.62	39.86	38.43	37.92	37.57	38.41	38.86	39.22	39.27	41.19	41.95	42.15	43.15	43.72	43.86
Ciclo de Acarreo Mina Total	min/ciclo	28.66	44.77	38.34	34.12	32.58	32.09	31.75	32.50	32.94	33.29	33.12	34.35	34.94	35.02	35.94	36.42	36.19
Promedio en Cola	min q/ciclo	-	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	1.0	1.2	1.3	1.4	1.5	1.8