

Rubber (R) and Steel* (S) Tire Hourly Operating Costs in \$ USD of 2016			CAT 797F
Compared per Hauling Trucks in 10 Year (USA Copper Mines Example)			59/80R63
*Air Suspension Wheel (ASW) by Global Air Cylinder Wheels (GACW)			594763
	Inflated	Suspension	Ratio
	Rubber	Steel	(S/R)
Number of tires per truck (1)	6	6	100%
Truck life cycle time (hrs.)	87,600	87,600	100%
10-year tire life cycle interval (hrs.)	52,560	87,600	167%
10-year utilized tire working hours (hrs.)	40,208	67,014	167%
Downtime production loss** (\$/hr)	3,250	3,250	100%
** in Arizona at \$ 0.5-profit/lb-ore at \$ 2.25/lb Cu price at 2:1 strip ratio with 0.5%/ton ore			
Tire life time (hrs.)	5,256	87,600	1667%
Number of tire changes in 10 years (1)	17	1	6%
Tire net unit price FOB manufacturer (\$)	100,000	300,000	300%
Tire effective unit cost multiplier*** (1)	2.5	1.5	60%
*** covers shipping, tire management program, facilities with labor and equipment			
Effective on-site tire unit cost (\$)	250,000	450,000	180%
Tire cost in 10 years (\$/truck)	25,000,000	2,700,000	11%
Tire cost savings in 10 years (\$/truck)	None	22,300,000	89%
Operated on-site tire cost (\$/hr)	104	7	6%
Savings on operated on-site tire cost (\$/hr)	None	97	94%
Retreading and resealing cost (\$/hr)	0	3	
Contingency cost per truck (\$/hr)	1.2	0	
Cost of tire changes (\$/hr)	12.9	0.4	3%
Overall tire cost (\$/hr)	118	10	9%
Savings on overall tire expenses (\$/hr)	None	108	91%