



ABRASIVE BLASTING SERVICE & SUPPLIES P/L
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Operating Cost Comparison

Garnet Sand vs Steel Grit

Assuming the use of a 5/16" bore nozzle and 60/30 Garnet Sand versus LG50 Steel Grit, blasting both at 80psi, 8 hours per day and 12 days per month.

The breakdown, and abrasive flow rates, listed below are based on industry standards.

GARNET SAND

The stated consumption rate is 124kg/hour, but for the sake of this exercise we will assume we only use half of the stated rate.

Kilograms of sand used per hour	:	124/2 = 62
Cost per kilogram	:	\$0.495
Cost per hour	:	\$30.69
At 8 hours per day	:	x 8
Cost per Day	:	\$245.52

LG50 STEEL GRIT

The stated consumption rate is 2kg/hour and we will use the stated rate.

Kilograms of grit used per hour	:	2
Cost per kilogram	:	\$1.45
Cost per hour	:	\$2.90
At 8 hours per day	:	x 8
Cost per Day	:	\$23.20

Assuming the blasting operation runs for 12 days per month the total cost will be as follows:

Garnet	Steel Grit
12 x \$245.52 = 2,946.24	12 x \$23.20 = \$278.40

This calculates to a monthly saving of \$2,667.84

These figures are offered as a guide only and should be formulated with your known costs and consumption rates to accurately establish your own conclusion.

"RUST NEVER SLEEPS"