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GROUP

PROVIDING INNOVATION AND
SOLUTIONS SINCE 1854

Case Study WAYPURE® 68

WAY PUR E® 68 Case Stud y

Customer: Large Automotive Supplier
Material: Steel and brass
Process: Turning – Doosan and Mori-Seki Lathes
Issues: Dumps per year - 17 prior to testing
 Cost/gal for disposal - \$ 0.25
 System Charges 100x52x.07x7.25x17-
 \$44,863 (seventeen charges per year)
 Disposal Costs 100x52x0.25x17-
 \$22,100
 (seventeen dumps per year)

Competitor: Major oil company
Coolant: Traditional chlorinated soluble oil -
 \$7.25.gal

Total coolant 5,200 gal.

Number of machines: 100

Length of test: 1 year

Results: Due to the stability of the coolant, dumps were reduced almost 50% to eight times a year resulting in significant savings and reduction in downtime.

Material Savings

System Charges	100x52x.07x7.25x8	\$21,112
Disposal Costs	100x52xo.25x8	<u>\$10,200</u>
Total Material Savings		\$35,424

Man Hour Savings

Cost per Hour		\$ 54
Dumps per year	54x3x8x100	<u>\$129,600</u>
Total Man Hour Savings		\$129,600

Production Savings

Production Cost/hr		\$ 75
Hrs. lost		3
Number of machines		100
Dumps per year	75x3x100x8	<u>\$180,000</u>
Production Cost Savings		\$180,000

Total Savings for One Year = \$383,351

