

CASE STUDY #5

Automotive transmissions manufacturer saves \$86,400

THE PROBLEM: An automotive transmissions manufacturer dealt with manufacturing line drills. They were grinding parts using semi-synthetic coolant filtered with roll media on a system inadequate for the level of fines and tramp oil. As a result, the manufacturer had to shut down the line every four weeks for a full shift to shovel fines from the coolant tanks — at a cost of \$12,000 per occurrence, not including downtime.

There was limited floor space and budget to make filter system changes. The customer's goal was to increase sump life without major system changes.

THE HARRIGAN SOLUTION

Harrigan Solutions conducted a complete system review, analyzed contaminates and bench-top tested supplemental filtration equipment that could be used as side-stream clean-up.

A centrifuge was found to be the most efficient solution in our preliminary tests. We brought in a production unit for trial at no risk to the customer.

RESULTS

The immediate impact was to increase the system life by 2.5 times. Additional work is being done to increase life beyond that.

**NO MONTHLY SHUTDOWN =
NO DOWNTIME =
INCREASED PRODUCTION**

**ESTIMATED ANNUAL SAVINGS:
\$86,400**