



SDT Case Study

SDT reduces operating cost and improves operator morale

The Customer's Situation

- A mid-sized job shop with 30 machining centers uses a semi-synthetic fluid to manufacture the parts for its customers.
- Since the products they manufacture are made from a wide variety of metal alloys, the sumps are contaminated with dissimilar metals resulting in rapid degradation of the coolants biocide.
- Most of the machining centers had a good sump life of about 2 to 3 months. However they would develop strong odors in about a week after a fresh charge.
- Smelly coolant had to be hauled away by a licensed waste hauler every week
- Adding biocide tank-side to the in-use fluid was not option due to the health and safety concerns associated with overdosing the small sumps.

Coolant Control at Work

- Coolant Control developed SDT (Sump Deodorizing Tablet), a safe to use odor control product that quickly eliminates most types of coolant related odors.
- Working closely with the plant personnel and after 90 days of on-site testing, the SDT was approved for use plant wide. See Table 1 for test result data.

Successful Data Driven Outcomes

- Achieved a net cost savings of over \$12,800 annually
 - \$7,200 reduction in waste hauling
 - \$7,900 reduction in coolant cost associated with recharging a machine
 - \$2,300 was the cost of the tablets to treat all 30 sumps every week
- Eliminating down time due to pumping out and cleaning of machines
- Improved work environment