Cutrite 3399 Case Study

Chorine-Free Semi-Synthetic fluid reduces operating cost and improves sump life

The Customer's Situation

- A large manufacturer of automotive drive line components, with a facility located in Ohio.
- Parts are manufactured from nodular iron and forged steel.
- The customer wants to move away from chlorinated cutting fluids without increasing the overall operating costs. They are also experiencing issues with ammonia and sulfur odors, foam in the high pressure systems and periodic rust.

Coolant Control at Work

- Coolant Control recommended our Cutrite 3399. This highly engineered fluid is designed to provide excellent lubrication without the need for chlorinated additives.
- Working closely with plant engineering, a 12 month study was performed comparing the Cutrite 3399 against the current product as well as products from several multi-national suppliers. Tool life, fluid consumption and operator acceptance was monitored for the duration of the trial.

Successful Data Driven Outcomes

- Reduced the overall operating cost associated with tooling by 22%.
- Reduced coolant cost by 8%, despite using a more expensive fluid than the baseline product, due to reduced consumption of the in-use fluid.
- Eliminated all odor complaints.
- Eliminated all rust issues with in-process parts.
- Eliminated foam issues in high pressure systems.
- Cutrite 3399 outperformed all of the fluids tested and is now used throughout the facility.

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