

# JOB SHOP OFFER

## PNEUMATIC CYLINDER PRODUCTS

### Castrol Hysol® MB 50

## ONE COOLANT – ALL APPLICATIONS



### THE SITUATION

The customer shop consists of numerous machining operations, multiple machines and multiple metallurgies: Aluminum (2011, 6061, 2024, 6005); Stainless Steel (303, 304, 416). The customer required different products to cover the many machining applications.

### BEFORE

- Different coolants required for diverse machining applications
- Misting and dermal issues; poor operator acceptance
- Poor sump life in machines

### AFTER

- “Sump life at six months and still running”
- “Operators can breath better and are not breaking out anymore”
- Reduced waste disposal cost and pump out maintenance

### THE SOLUTION

- Castrol distribution network and application engineers analyzed the work environment, metallurgies and machining application to arrive at the fluid solution – Castrol Hysol MB 50.

- Castrol utilizes “Knowledge Transfer”

## RECOMMENDATIONS

Plant required a product that had excellent biostability to extend sump life and improved operator acceptance with odors and dermal concerns.

Plant required a product that could machine a variety of metal alloys using several types of machines and processes:

- **Materials** – Aluminum (2011, 6061, 2024, 6005); Stainless (303, 304, 416)
- **Tooling** – Milling, drilling, reaming, form tapping and cut tapping, and boring
- Surface finish requirements extremely important

## CONCLUSION

Castrol Hysol MB 50 provides multi-metal compatibility with multi-application performance.

Plant has very special process applications and Hysol MB 50 is the only product to meet the aggressive machining requirements.

**“We have never been able to run our shop with one type of coolant on all applications.”**

– Ken Sutton, Automation Manager

