

MetLube®

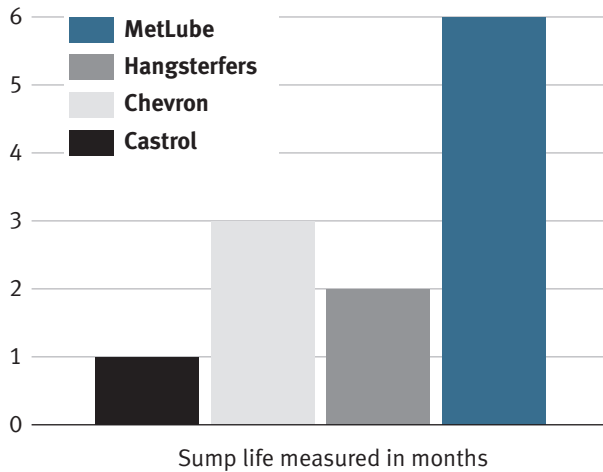
Metalworking Fluid



MetLube is a revolutionary, multi-machine, multi-application metalworking fluid built on chemistry unlike any other found in the industry. This unique **Complex Synthetic™** technology offers substantial operational cost savings and superior performance while assuring environmental and worker safety.

***Complex Synthetic™:** The interaction and synergy of this chemistry creates superior lubricity, heat dissipation (cooling), cleaning action, corrosion and microbial life protection. The combination of these features provides cost savings and benefits such as improved productivity, tool life, surface finishes and sump/system life.

The use of MetLube: Increased sump life at least 200%



Customer:

Large aerospace semi-conductor manufacturer

Situation:

Using Castrol Alusol AU 39, Chevron Oil and Hangsterfers 500C on a milling center cutting Inconel, aluminum and stainless steel, this company suffered from:

- Bacteria growth
- Strong sump odors
- Waste management issues (waste stream restrictions)

Refractometer reading during the study:

| | |
|----------------------|------|
| Castrol Alusol AU 39 | 9.0 |
| Chevron Oil | N/A |
| Hangsterfers 500C | 10.0 |
| MetLube | 6.0 |

Impact & Value:

- Increased sump life to 6-months (vs. Castrol Alusol AU 39 – 1 month, Chevron Oil – 3 weeks, Hansterfers 500C – 2 months)
- No bacteria growth
- Eliminated odors
- No residue on parts
- Compatible with waste stream restrictions

Process & Equipment Information:

Application Milling Center
 Material Stainless Steel, Aluminum, Inconel
 Parts produced Airplane Components
 Machine Makino