

# Tribol HM 943 Eliminates Pump Failures

## METALS (USA)

### SURFACE FINISHER – HYDRAULIC SYSTEMS

Castrol Tribol® HM 943-46\*

**ANNUAL SAVINGS: \$67,025**

#### THE SITUATION

A metals manufacturer was experiencing frequent pump failures on the hydraulic systems in their surface finishing operation. They were using conventional hydraulic oil and asked Castrol for a higher performance option.

#### BEFORE

- Conventional AW 46 oil
- Average of 7 pump failures per year @ \$9500 rebuild cost each
- Labor of 2 man-hours per pump replacement @ \$37.50/hour

#### AFTER

- Castrol Tribol HM 943-46 high performance oil
- No pump failures in 12 months
- No pump or labor cost related to failures

#### THE SOLUTION

- Castrol reviewed the failures with the customer to determine the best solution.
- The Eaton-Vickers pumps in use were high quality, but the hydraulic oil was a low cost, conventional type that was not protecting the pumps.
- Castrol upgraded the systems to our high performance hydraulic oil, Tribol HM 943.
- After 12 months of running on the Tribol, no pump failures have been experienced.



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## RECOMMENDATIONS

Many low cost hydraulic oils have inconsistent and low quality. They tend to use different base oils from batch to batch and provide less than the minimum industry standard protection for hydraulic pumps and other components. This leads to poor wear protection, varnish, malfunctions, and costly failures.

## CONCLUSION

Tribol HM 943 eliminated the concerns associated with low quality oils and delivered the wear protection and oil life that this customer needed.

**The result was a complete elimination of pump failures, more time for maintenance to focus on other priorities, and an annual savings of \$67,025.**



## OTHER POTENTIAL APPLICATIONS

Tribol HM 943 is a range of high performance hydraulic oils designed to provide maximum protection to system components along with outstanding oil life, allowing hydraulic systems to run trouble-free.