Cost Avoidance Using High Performance Fluid

METALS (USA)
WELDED TUBE
Castrol Tribol® HM 943-46
Cost Avoidance: $51,000

THE SITUATION

A supplier to the automotive drivetrain industry operates a **rotary tube cutter** in their facility. One of the cutter's main components, the feedbox clamping mechanism, is a major wear component that can drive up maintenance costs and downtime.

BEFORE

- The feedbox clamping mechanism has a normal service life of four years until needing replacement.
- A new mechanism is **$17,000 plus labor and equipment downtime** costs.

AFTER

- With the use of Tribol HM 943, the clamping mechanism has operated for **14 years without replacement**!
- The facility has avoided 3 replacements to date and still going.

THE SOLUTION

- Aware of the component wear situation prior to the cutter's initial startup, the customer chose to use **Tribol HM 943 high performance** lubricating oil instead of a lower performing conventional oil.
- The choice was based on their prior experience with Tribol HM 943 in other critical applications.

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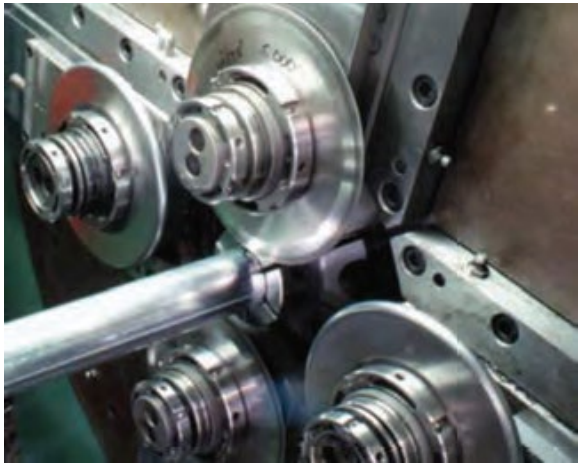
RECOMMENDATIONS

The decision to use Tribol HM 943-46 was made by the customer based on the great experience with the oil in their tube bender and swaging machine hydraulic systems.



CONCLUSION

The rotary tube cutter has been in operation for 14 years and has never needed a feedbox clamping mechanism replacement. Using a conventional circulating oil, the component would have typically been replaced three times during that period, each at a cost of $17,000.

The result is $51,000 in cost avoidance!

FLUID ADVANTAGES

The base oils in Tribol HM 943 are selected for chemical and thermal stability – achieving 18,000+ hours oxidative life! They are also selected for the naturally high film strength necessary to prevent rupture of the oil film under heavy loads.

The anti-wear characteristics of Tribol 943 HM oils are achieved by a unique additive system which does not include zinc. This advanced system maintains critical dimensions in hydraulics, robots, and other NC machines. The result is extension of the service life of valves, pumps, gears, and bearings.