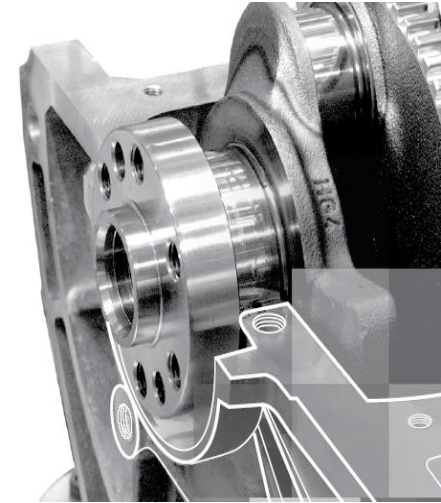


AUTOMOTIVE (USA) CASTING

Castrol Molub-Alloy® 860/460-2 ES

ANNUAL SAVINGS: \$30,834



THE SITUATION

Chronic bearing failure was reported by the maintenance department on pan and belt application on the mold line. The equipment uses two types of bearings.

BEFORE

- The wrong grade of lithium grease was used for the application.
- Bearing costs \$29,562
- Labor costs \$4,076

AFTER

- Grease was changed to Molub-Alloy 860/460 2 ES
- Bearing costs \$11,496
- Labor costs \$1,585
- With the reduction in bearing usage, labor, and downtime, total savings was \$30,834

THE SOLUTION

- The objective was to increase the life of the bearings.
- Working with the customer, Castrol Engineers recommended a heavier grade of grease to seal out contaminants and provide extra protection from heat, thus protecting the bearings.
- The change resulted in reduction of downtime and longer life for the two bearings.

- Castrol utilizes application experience

RECOMMENDATIONS

From past experience and extensive product knowledge, Castrol recommended changing the grease to help reduce contamination and protect the bearings against heat. The EP and anti-wear properties would also reduce wear and protect the bearings.

CONCLUSION

18 months after the product change, records indicate the reduction in bearing usage and the subsequent labor and downtime saved \$30,834

