

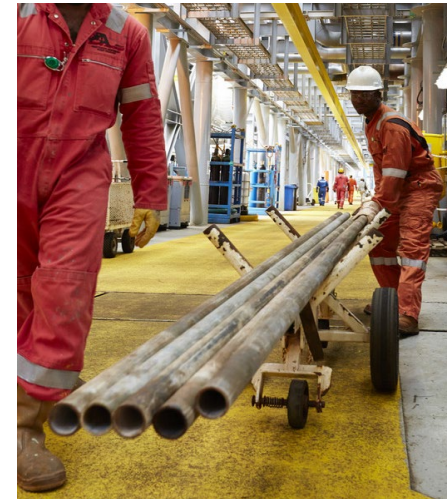
Driving Costs Down with Molub-Alloy 6040

Metals (USA)

Weld Bearings

Castrol Molub-Alloy® 6040/460-1.5

ANNUAL SAVINGS: \$259,914



THE SITUATION

A southeast Texas pipe & tube mill was losing a large number of bearings every year while using a clay-based grease for their weld bearings. This resulted in a large amount of unplanned downtime, high bearing cost, and excess grease waste due to high consumption.

The customer was looking for a better grease to improve their operations.

BEFORE

- Losing 240 bearings per year from failure
- High grease consumption due to water washout and attempts to keep the bearings from failing

AFTER

- Grease usage reduced by 50%
- **Bearing life increased by 3X!**
- Unplanned downtime eliminated

THE SOLUTION

- With a clear understanding of the application needs, a proper recommendation to the customer was made by Castrol.
- Molub-Alloy 6040 was recommended due to the excellent performance in water wash resistance and heavy duty applications.
- Shutdowns could now be planned and scheduled to significantly reduce the cost to change the bearings.

- **Castrol's extensive experience in the metals industry**
- **Full understanding of application needs**
- **Confidence in Castrol's proven track record – especially in aggressive environments**

Driving Costs Down with Molub-Alloy 6040

RECOMMENDATIONS

Castrol's team was able to understand the application and recommend Molub-Alloy 6040 which is well proven in the industry. The special properties of the calcium sulfonate thickener, along with the carefully formulated base oil and additives, allows the customer to not only utilize less grease but also increase bearing life in hot and wet applications.

CONCLUSION

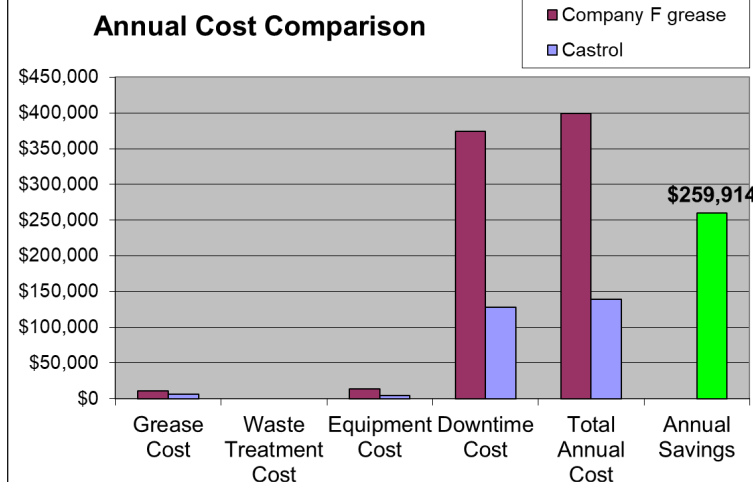
After a year of operating with Molub-Alloy 6040, the customer saw a 50% decrease in grease usage and 3X longer life out of their bearings. This has resulted in nearly \$260,000 of annual savings! Additionally, this has greatly improved safety since the customer no longer has unplanned shutdowns due to bearing failures.



APPLICATIONS

Castrol Molub-Alloy 6040 performance-based grease is formulated to handle high temperatures, heavy & shock loads, water contamination, and other harsh conditions found throughout the steel industry.

Annual Cost Comparison



“Now with the new grease we are able to make it to the end of production, lunch break or weekend to replace the bearings, reducing the downtime.”

– Engineering Manager