METALS (USA)
MELT SHOP
Castrol Molub-Alloy® 4086/460-2
ANNUAL SAVINGS: $6,000

THE SITUATION

A leading steel producer had excessive wear on the main bearings of their steelmaking vessels. Although there were no catastrophic bearing failures caused by inadequate bearing lubrication, the premature wear was a concern to them. A bearing failure could cause an unscheduled shutdown. They would have to jack up the vessel to replace the bearing and this could halt steel production for several days at a cost of several hundred thousand dollars. The customer wanted to make sure he was using a grease best suited to minimize this risk.

BEFORE CASTROL

- This bearing is subject to dirt, heat and sometimes water.
- Each year, a new main bearing was installed during an outage as a PM.
- Used bearings could not be refurbished due to excessive wear.

AFTER CASTROL

- One year after Castrol Molub-Alloy 4086/460-2 was introduced, bearing life has been maximized and risk of downtime reduced.
- Because of reduced bearing wear, used bearings are now suitable to be refurbished for a cost savings of $6,000.

THE SOLUTION

- The replacement of the previous product with Castrol Molub-Alloy 4086/460-2 addressed the customer's need to minimize the risk of expensive downtime.
- The solution provided maximum protection with a stable, high quality lithium complex grease, with a high-performance additive package containing Molub-Alloy solids.

- Answered customer need to minimize risk of downtime
- Premium product provided cost savings through better protection in rugged service

Castrol

RECOMMENDATIONS

Castrol Molub-Alloy 4086/460-2 is a high-performance, cost-effective product that performs well in difficult applications like melt shops.

This product is able to seal out dust and water, and Molub-Alloy solid lubricants were perfect for the heavy loading and slow and frequent starts.

CONCLUSION

This premium lubricant provides cost savings through better protection in rugged service.

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