



CaseStudy

The Challenge: Increase scrubber bearing life

Castrol Molub-Alloy 6040/460-1.5 grease

\$40,000 Annual Cost Savings

Increased the bearing life in a Carlite Line Scrubber by the use of high performance Molub-Alloy 6040/460-1.5 grease.

Benefits

1. Reduced downtime of Scrubber.
2. Better utilization of maintenance time.
3. Reduced production costs.

Before:

- Lubricant: Lithium Complex grease
- Bearings lubricated five times per week.
- Lost bearings due to water washout from hot process water.

After:

- Lubricant: Molub-Alloy 6040/460, calcium sulfonate grease
- Bearings lubricated three times per week.
- 33% reduction in volume per lube cycle.
- Reduction of lost bearings.

Result: Water washout was reduced, resulting in lower bearing loss and saving \$40,000 annually.

Castrol Molub-Alloy 6040 has excellent water and corrosion resistance.



Recommendations:

Castrol's experienced Engineers recommended Molub-Alloy 6040 high performance grease, knowing the improved water resistance would reduce bearing failures substantially.

Conclusion:

Castrol's engineering knowledge in Steel Mill applications and high performance grease translated into \$40,000 in annual savings, increased uptime, and improved utilization of maintenance time.

Other Potential Applications:

Molub-Alloy 6040/460-1.5 is ideal for highly loaded, slow moving applications where water wash and high temperatures exist.

Segment: Metals

Sub Segment: Steel

