

METALS (USA)

MAINTENANCE—Continuous Caster Lubrication

Castrol Molub-Alloy 9030 Grease

COST SAVINGS: \$33,300



THE SITUATION

A leading steel producer was experiencing frequent failure of bearings at Melt Shop Continuous Caster.

Castrol was challenged to reduce bearings failure, total maintenance cost and increase overall uptime in very harsh working condition such as: elevated working temperature, high load and extreme water washout conditions .

BEFORE

- A leading steel producer was using Met-Lube EP-0 and was experiencing frequent bearings failure due to elevated working temperature and extreme water washout.

AFTER

- The caster ran for three consecutive days with the lubrication system down without bearings failure.
- Rebuild avoidances of:
 - Straightener: \$12,600
 - Segment: \$17,000
 - Oscillator: \$3,700

THE SOLUTION

- Castrol engineers chose Molub-Alloy 9030 grease due to the success of this product in Trabon lube systems in caster bearings applications for many years.
- No other parameters were altered.

Right product for the right application

Benefits

1. Increased uptime
2. Reduced parts cost
3. Reduced labor cost

RECOMMENDATIONS

Castrol Molub-Alloy 9030 was able to protect caster bearings in very harsh working condition such as: elevated working temperature, high load and extreme water washout conditions even while the lube system was down for three days.

Molub-Alloy 9030 can be successfully used in multiple caster bearings lubrication applications.

CONCLUSION

Castrol Molub-Alloy 9030's ability to handle high temperatures and water wash resulted in a failure avoidance of more than \$33,000 and many hours of caster downtime.



OTHER POTENTIAL APPLICATIONS

Molub-Alloy 9030 grease is well suited for steel mill and other bearing applications where high water washout and elevated temperature is experienced.