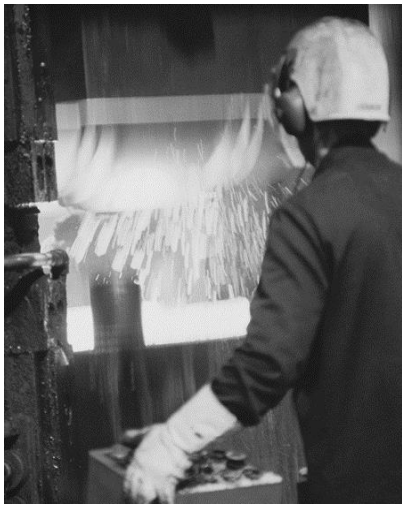
METALS (USA)

MAINTENANCE – Continuous Caster Lubrication

Castrol Molub-Alloy® 777 ES

COST SAVINGS: $36,900



THE SITUATION

A leading steel producer was experiencing very frequent gear couplings failure in the Melt Shop Continuous Caster.

Castrol was challenged to reduce gear coupling failures. Lower total maintenance cost, and increase overall uptime.

BEFORE

- Using Company “M” coupling grease. 24 kegs used in three months with $4,140 lubricant cost and 96 man-hours.
- 12 couplings replaced in three months with total cost $33,500 due to the grease hardening.

AFTER

- Grease usage was reduced to 5 kegs in three months with 48 man-hours of application labor.
- No couplings were lost.

THE SOLUTION

- Castrol engineers recommended Molub-Alloy 777 ES high-performance grease due to their experience of many years of success in coupling applications.
- The introduction of Molub-Alloy 777 ES high-performance grease completely eliminated gear coupling failures.
- Molub-Alloy 777 ES grease was able to handle the centrifugal force without separation and subsequent hardening.
- The Molub-Alloy grease stayed soft and fluid to lubricate couplings.
- No other parameters were altered.

Right grease for the right application

Benefits:

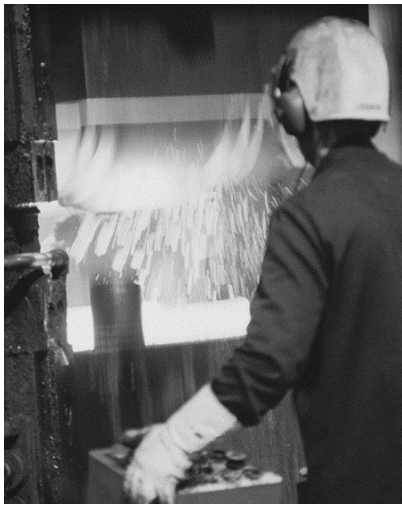
1. **Increased uptime**
2. **Reduced parts cost**
3. **Reduced labor cost**
4. **Reduced lubricant usage**

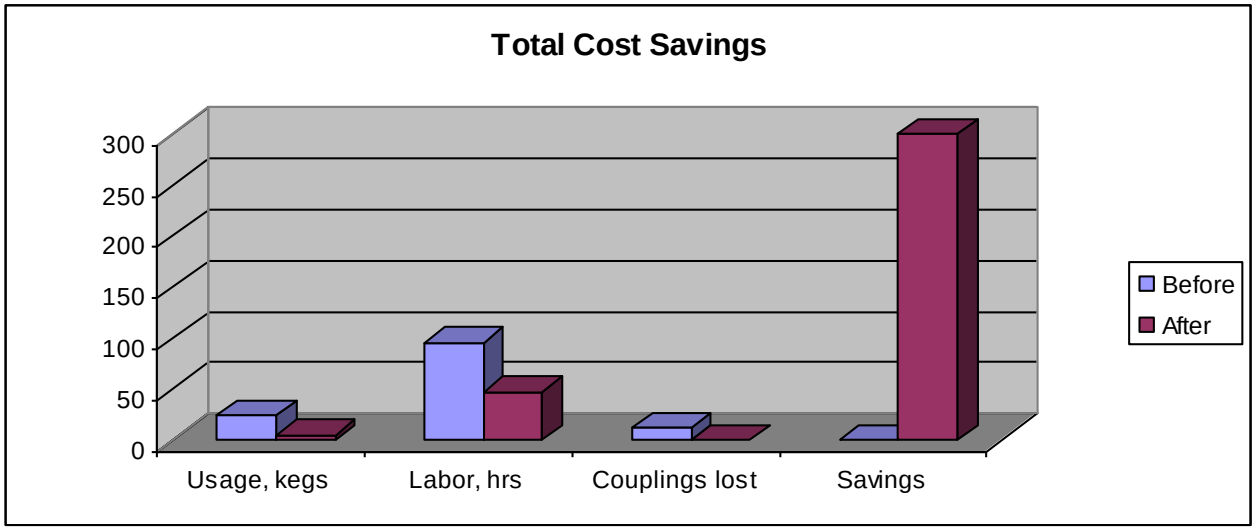
RECOMMENDATIONS

Castrol Molub-Alloy 777 ES high-performance grease is able to handle the very harsh working conditions of a wide variety of equipment at Melt Shops. Molub-Alloy 777 ES is recommended for all general purpose, slow speed and high load applications.

CONCLUSION

Complete elimination of gear coupling failures, reduction of grease consumption and lowered application labor resulted in **total cost saving of $36,900**.





OTHER POTENTIAL APPLICATIONS

Molub-Alloy 777 ES high-performance grease is recommended for all general purpose, slow speed and high load applications up to 200 F in continuous caster lubrication.