

AUTOMOTIVE (USA) PAINT

Castrol Molub-Alloy® 1000 HT*

ANNUAL SAVINGS: \$23,400



THE SITUATION

- Customer was experiencing frequent trolley wheel bearing failures.
- Trolley wheel bearings at automotive paint & dryer line manufactured by Frost/Splashpool were lubricated by competitive elevated temp grease.
- Operating temperature 200C (390F) – 260C (500F).
- Oven time: 30 minutes per cycle.
- Load: 800 kg (1760 lb) per carrier.

BEFORE

- Relubrication cycle every 2 months.
- Lubricant would drip from wheels after relubrication.
- Lubricant would stiffen inside wheels.
- Wheels would seize.
- Power draw – 40 amps.

AFTER

- Relubrication cycle every 4 months
- Elimination of drippage from wheels after relubrication.
- No hardening or stiffening of lubricant inside wheels.
- No seized wheels.
- Power draw – 8 amps.

THE SOLUTION

- The Challenge: Eliminate Trolley Wheel Bearing Failures.
- Castrol experienced Engineers recommended Molub-Alloy 1000 HT knowing the extreme temperature resistance of this grease would reduce bearing failures substantially.
- Eliminated trolley wheel bearing failure and reduced total maintenance cost by the use of extreme temperature Molub-Alloy 1000 HT grease at automotive paint & dryer line.

- Customer was looking for elimination of bearings failure and significant reduction of total maintenance cost at Paint Shop.
- Molub-Alloy 1000 HT grease has delivered the desired benefits at the right cost.

RECOMMENDATIONS

- Castrol Molub-Alloy 1000 HT high-temperature grease is ideal for any area of automotive plant where bearing high temperatures are experienced.
- The application of Castrol Molub-Alloy 1000 HT grease will significantly increase equipment life, reduce total maintenance cost and provide overall trouble-free operations.

CONCLUSION

- Castrol's engineering knowledge in automotive paint & dryer line applications and high-performance grease translated into a \$23,400 annual savings, increased uptime and improved utilization of maintenance time.
- After introduction of Castrol Molub-Alloy 1000 HT high-temperature grease, relubrication cycle was extended 100%.
- Lubricant consumption & application labor was reduced by 50%.
- Eliminated maintenance due to seized wheels.
- Power draw reduced 80% from 40 amps to 8 amps.



OTHER POTENTIAL APPLICATIONS

- All automotive paint & dryer lines applications where bearing high temperatures are experienced.
- Steel mills in any hot areas including furnace, caster, and reheat oven.