



## Product Data

# Castrol Molub-Alloy WR 1000

Wire Rope Lubricant

## Description

Castrol Molub-Alloy™ WR 1000 is a wire rope lubricant based on high viscosity index, highly refined paraffinic petroleum oils, compounded with polar materials, which impart strong adhesive and film forming properties, corrosion protection and anti-wear characteristics. Special surface-active additives improve wetting and penetration of lube to rope inner surfaces. Extreme pressure characteristics are enhanced by the addition of lubricating solid additives and unique synergistic agents. Polymeric additives provide exceptional coverage and protection to outer surfaces of the rope and sheaves.

## Application

Molub-Alloy WR 1000 was developed to perform as a premium quality wire rope lubricant in open cut and underground mining operations where maximum rope life must be achieved despite harsh operating conditions. Molub-Alloy WR 1000 is an environmentally acceptable rope lube that does not contain solvents, lead, barium, zinc, antimony or other ecologically undesirable additives. It is designed for use on dragline hoist and drag ropes, shovel hoist and crowd ropes, winder and guide suspension cables and crane hoist ropes.

## Advantages

- Exceptional anti-wear and load carrying.
- Highly penetrative to rope core.
- Excellent corrosion protection.
- Forms a tough layer to protect rope and sheave.
- Resists fling off to improve housekeeping.
- Will not peel or chip in service.

## Typical Characteristics

Name	Method	Units	Molub-Alloy WR 1000
Appearance	Visual	-	Slate Grey, Oily Fluid
Viscosity at 40°C/104°F	ISO 3104/ ASTM D445	mm <sup>2</sup> /s	1000
Viscosity Index	ISO 2909/ ASTM D2270	-	+95
Flash point COC	ISO 2592/ ASTM D92	°C/°F	+250/+482
Copper Corrosion	ISO 2160/ ASTM D130	-	Pass
Salt Spray test for 24 hours at 35°C/95°F	ISO 9227/ ASTM B117	-	No Rust
Timken EP Test, OK load	ASTM D2509	kg/lbs	35/80
Four Ball EP test - Load Wear Index	ASTM D2783	kg	62
Four Ball EP test - Weld Load	ASTM D2783	kg	350

Subject to usual manufacturing tolerances.

Castrol Molub-Alloy WR 1000

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