Mobil Wire Rope Dressing

Mobil Grease , Canada

ALL-SEASON MULTI PURPOSE WIRE ROPE LUBRICANT

Product Description

Wire Rope Dressing is manufactured from high quality petroleum base stocks, carefully blended with selected soaps and additives. It is designed as a field dressing for drum hoist ropes and is equally recommended for rope lubrication on shovels and drag lines.

Features and Potential Benefits

Wire Rope Dressing is field tested in day-to-day service at operating mines demonstrated outstanding performance even in the most demanding service.

Adhesion

At ambient temperatures between -40 °C and +50 °C, wire ropes are protected by a tenacious film that adheres firmly to the rope. Fling-off and sling-off are virtually eliminated so lubricant consumption and housekeeping concerns are minimized. Wire Rope Dressing is formulated using non-asphaltic base stocks which minimize peeling, cracking and flaking off in cold weather. The formulation is also designed to ensure complete coverage of the rope while preventing excessive lubricant buildup.

Cohesion

Wire Rope Dressing is formulated using mineral base oils blended with molybdenum disulfide and solid graphite lubricant. Crown wires retain a tough, cohesive lubricant film even after passing over the sheave and idler wheels or the hoist drum. The cohesive nature of Wire Rope Dressing also contributes to reduced fling off and sling off while in service.

Corrosion Resistance

Unique additive packages included in the Wire Rope Dressing formulation protect wire ropes from rust and metal corrosion.

Water Resistance

Wire Rope Dressing offers exceptional water resistance. Moderate amounts of water can be absorbed by the grease with little or no change in NLGI penetration. In field tests, the majority of shaft water seen was in the form of beads on the surface of the lubricant.

Applications

Wire Rope Dressing is recommended for application either by split-box, pressurized canister or spray method onto hoist drum wire ropes in underground mining, dragline or electro-mechanical shovel operations. Always protect Wire Rope Dressing from contamination with dust.

Typical Properties

Soap Type	Lithium
Color	Black
Operating Temperature, °C	-40 to +50
Minimum Dispensing Temperature, °C	-20
NLGI Grade	0.5
Brookfield Viscosity, cP @ 25°C	50,000
Base Oil Viscosity of Greases, cSt @ 40°C	320
Penetration, 60X 0.1 mm	340

Soap Type	Lithium
Four Ball Weld Point, kg	620
Four Ball Wear Scar Diameter, mm	0.55
Flash Point, °C	80
Dropping Point, °C	170
Rust Test Rating	Pass

The values shown above are representative of current production. Some are controlled by manufacturing and performance specifications while others are not. All may vary within modest ranges

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

High-pressure injection of any grease under the skin can cause serious delayed soft tissue damage and should be treated immediately by a physician. To avoid injection injuries, inspect greasing equipment regularly for worn hoses and fittings. Keep fingers away from the nozzle and ensure the nozzle is firmly in place before discharging the grease. Please refer to the Material Safety Data Sheet for further information.

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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