

## Product Description

Wire Rope grease is formulated as an OEM premium quality Wire Rope Lubricant. It uses a unique wax/ polymer, paraffinic base oil, in combination with rust preventive, lubricity additive, and tungsten disulphide nanotechnology to reduce wire wear.

## Product Features & Benefits

- Unique wax/ polymer formulation provides a thorough flexible protective coating to wire rope.
- Exception anti-wear and EP load-carrying property.
- High-performance anti-rust additives dramatically reduce corrosion problems in the harshest environment.
- Low viscosity base fluid coupled with penetrating agents provide better protection through to the inner core.
- Thixotropic agents minimise dripping and fling off.
- Forms a tough tungsten layer to protect both the inner core and outer rope strands.
- Proprietary nanotechnology lubricant that extends the service intervals and dramatically reduces service downtime of wire ropes.
- Unparalleled protection against seizure and breakage.
- Exceptional pump ability.
- Maximise wire & equipment life.
- Reduces power consumption.
- Environmentally friendly and suitable in marine applications.

## Application

Application method: Wire rope applicator – brush, dip or roller onto the surface to be treated.

## Uses

Designed for all heavy-duty industrial and marine applications, especially in above and underground mining operations where reducing downtime is essential for mine productivity.

## Suitable Applications

Crane, dragline, hoist, dump, shovel ropes, and guide suspension cables.

The formulation is specially designed for easy pumping and handling at room temperature. A unique surface-active agent in combination with the Nanoguard proven friction reduction qualities further improve the wetting and penetration of the ropes inner core strands surfaces.

Wire Rope Lubricant bonds to the wire metal strands it has exceptional high EP load-carrying capability that has proven to dramatically extending wire rope life. It easily penetrates to the core and dramatically reduces friction between individual wire strands which also insulate the wire from EMF. The nanoparticles give excellent anti-corrosion protection to the rope. They also

have one of the lowest coefficients of friction available in the world. Up to 43% better than MoS (Moly).

Wire Rope Lubricant is able to withstand the extremes of both low and high temperatures. It is resistant against abrasive elements, corrosion, oxidation, water washout. It contains a unique thixotropic agent that reduces fling off or grease drop from the wire rope.

The Wire Rope Lubricant is highly environmentally friendly rope lubricant as it does not contain any solvents, lead, barium, zinc antimony commonly found in standard wire rope greases.

### Typical Characteristics

	Method	Unit	Wire Rope Grease
Appearance	Visual	Visual	Smooth Homogeneous
Colour	Visual	Visual	Shiny Greenish
Penetration	ASTM D271	dmm	395
Penetration worked 60 strokes at 25 C 10 <sup>th</sup> /mm			405
Kinematic Viscosity @ 40°C	ASTM 445	cSt	1000
Viscosity Index	ASTM D2270		+95
Flash Point	ASTM D92	°C	+250
Wear Scar	ASTM D2266	Mm	0.075
Coefficient of Friction	-	Nm	0.075
Weld Load	ASTM D2596	Kg	400
OK Load	ASTM D2596	Kg	250 (2.8mm)
Cu Strip Corrosion	ASTM D130	-	1 B
Rust Test Salt spray test (24 hrs @ 35°C)	ASTM B117	Pass	Pass
Corrosion Test	ASTM D1743	Pass	Pass
Roll Stability	ASTM D1831	%	2.74
Four Ball weld load test Load wear Index	ASTM D2873	kgF	
Encore Corrosion test	ASTM	Pass	Pass

Master Item# 1839  
 Pack Size Availability: 20kg & 180kg

Last Updated: 25<sup>th</sup> January 2024