

Steel Wire Rope Lubrication

- LubMaster WRD

DESCRIPTION

LubMaster Wire Rope Dressing (WRD) COMPOUND is a semi fluid grease, specifically formulated wax/polymer lubricant, that is totally water repellent.

Wire ropes contain numerous moving parts which require lubrication. Each time the rope bends or flexes, the internal strands rub together. **LubMaster WRD** ensures that the rope is lubricated throughout while providing a nondrying, non-tacky film on the outside of the rope. Such protects outer strands from corrosion as well as lubricates the wire rope drums and sheaves.

Compound coats wire rope strands externally to prevent friction and wear. Dressing that is aromats free has good creeping capability to IWRC (Steel Core) ropes core resulting in longer wire rope life, less downtime for rope changes, and enhanced productivity.

TYPICAL APPLICATION

- Hoists, Cranes, drag lines, offshore wire ropes in extreme or harsh environments.
- Wire ropes running or standing, being used at ports and ship loader facilities.
- Rust protection for all exposed metal surfaces.

BENEFITS

- Unique wax/polymer formulation forms pliable external coating.
- High treat level of anti-rust additives eliminates corrosion problems in the harshest environments.
- Low viscosity base fluid, coupled with penetrating agents, provide complete internal penetration and protection to ropes.
- Thixotroping agents minimize dripping and fling off.

NOTES

- Can be applied by brush or drip, but preferably sprayed to activate thixotrope.

LubMaster WRD Cable Laid Application



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PROPERTIES

TYPICAL PROPERTIES

Color	Gray Black
Apparent Viscosity @ 25°C	1000cP
Drop Point	100°C
Breaking Point	Below-40°C
Residual Film Thickness	120 micron
Salt Spray Corrosion ASTM B117	+1000 hrs
Capillary Creep (SIS 1860 17) @ 10°C	+10mm
Four Ball Anti-Wear Scar 60 min @ 40kg. (mm)	0.6mm

This information in this bulletin is, to our best knowledge, true and accurate, but all recommendation or suggestions are made without guarantee, since the conditions of use are beyond our control. It is the user's obligation to evaluate and use the product safety and to comply with all applicable laws and regulations.
Specifications as at November 2006

Steel Wire Rope Lubrication

- LubMaster Grease

DESCRIPTION

LubMaster Grease is a blend of high viscosity petroleum base oil with shear stable lithium soap thickener, fortified anti wear, anti rust with unique additives package combine to achieve high performance and year-round utility lubricant for wire ropes. This results in longer wire rope life, less downtime for rope changes and enhanced productivity.

TYPICAL APPLICATION

Lubrication and maintenance of draglines, towing cables, pendant ropes and other offshore applications can be simplified by use of **LubMaster Grease**.

BENEFITS

- Solid additives package are pre-activated to increase their natural positive affinity to all metal surfaces to ensure easy lubricant applications for extended re-lubrication intervals.
- Polymer allows flexibility to **external coating** for wire rope in harsh environments.
- Bonding and cohesive properties provide superior lubrication to withstand wet corrosive conditions.
- Scientifically designed for self-sealing protection, keeping ropes from dust and dirt build-up.
- Long lasting dressing formed to **resist fling-off and cracking**.

NOTES

- **LubMaster Grease** is not compatible with sodium or inorganic base greases.
- Best performance when applied with Mastro Spray (Compress Air Assisted Method ensures penetration to Wire's centre core strand).

LubMasterGrease Application on Coiled Wire Ropes



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- LubMaster Grease

PROPERTIES

TYPICAL PROPERTIES

NLGL Grade	2
Colour	Grey Black
Thickener	Mixed Soap Lithium
Texture	Smooth Tacky Adhesive
Base Oil Viscosity:	
cSt @ 40°C	860
cSt @ 100°C	41.6
Safe operating temp. °C	118
Emcor Rust Test	(Pass)
Timken EP OK Kg.	36
Four Ball Test	
Weld Load Kg.	800
Wear index	93
Additive Package	Heavy Duty

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