



KBL

Wire rope lubricant fortified with MoS₂

Description

KBL is formulated with a high viscosity mineral oil, an inorganic thickener and fortified with MoS₂ (Molybdenum disulphide). It is a semi fluid grease designed for lubrication of all types of steel wires (textile or metal centre strand).

Applications

KBL is perfectly suitable for use in:

- Wire rope lubrication and protection
- Excellent for use in MASTO wire rope lubricators and cleaner equipment
- Public works machinery
- Cargo cranes
- Industrial and floating cranes
- Load lines, elevators
- Mining equipment wire ropes
- Can be used in sea ambience (salt water resistant) and in chemical ambiances (resistant to chemicals)

Quay crane lubrication

KBL is a popular product for the lubrication of quay cranes in (sea)ports. After three months of use, KBL gives outstanding results in the protection and lubrication of wire ropes subjected to outside weather conditions and sea water and protects from both wear and corrosion enhancing the lifetime of the lubricant and the ropes up to far over the normal lifetime.

Thanks to the wear reduction and enhanced corrosion protection the lifetime of equipment is increased and overall maintenance cost will be reduced.

When properly applied in 25 mm. diameter wire ropes, 1 kilo of KBL can lubricate and protect up to 40 meters new wire rope and up to 55 meters in later applications. KBL can be applied by brush or wire rope lubricator.

Benefits

- Protects the inner and outer cable from wear
- Water repellent
- Excellent penetrating properties
- Adherent
- Good rust preventive properties
- MoS₂ enhances extended cable life
- Thin film protection avoiding dust adherence
- Long life lubricant
- Does not drop or leak
- Resistant to high temperatures
- Dry lubrication up to 450 °C





Typical performance data

	Test method	KBL
Colour		Black
Thickener		Inorganic
Base oil type		Mineral
Base oil viscosity @ 40 °C, cSt	ASTM D445	1000
NLGI class		00/000
Penetration @ 25 °C, x 0,1 mm	ASTM D217	420-450
Dropping point, °C	IP 132	None
Steel corrosion @ 24h/100 °C	ASTM D4048	None
Solids content, %	Millipore	8
Copper strip corrosion, 24h/100 °C	DIN 51811	1b
4-ball wear test	IP-239	
• Welding load, kg		>280
• Wear scar diameter, 1'80 kg, mm		>0,50
Evaporation loss, %	G063	
• 22 h/100 °C		1,24
• 22 h/150 °C		1,61
Working temperatures, °C		-10 - 150

All performance data on this Technical Data Sheet are indicative only and can vary during production

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