

OIL WR-WD

WATER DISPLACING WIRE ROPE LUBRICANT FOR APPLICATION BY HIGH PRESSURE SPRAY APPARATUS OR BY DIPPING

Description:

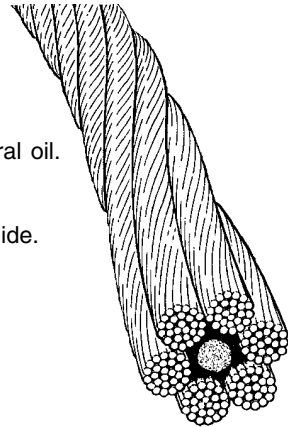
A fluid lubricant incorporating a special petroleum solvent to give it powerful water displacing properties and enable it to penetrate quickly into wire rope structures. After evaporation of the solvent, the residual lubricant film has very similar properties to that of GREASE WR-GP. It contains extreme pressure additives and a blend of anti-oxidants, to combine highly effective lubrication with good corrosion inhibition. It provides a protective film that is water repellent, yet thin enough to reduce adhesion of dust and other abrasive particles on the surface.

Application:

OIL WR-WD has been **specially developed for the lubrication and protection of all types of wire ropes that are repeatedly or continuously submerged in water**. It is particularly effective for ropes used on dredgers, dockside cranes, lifts and hoists, on oil rigs, and on ships rigging, davits and winches. It can also be used with advantage on ropes used on quarry plant and on other external lifting equipment. It is intended primarily for use in high pressure spraying equipment, but can also be applied by dipping. **It can be applied at very low temperatures down to -30°C.**

Typical physical properties:

Form:	Grey-green oil.
Working temperature range:	-30° to +120° C.
Minimum application temperature:	-30°C.
Base oil:	Solvent refined mineral oil.
Thickener:	Lithium soap.
Solvent:	Petroleum distillate.
Solid lubricant phase:	Molybdenum disulphide.
Base oil viscosity at 40°C:	900 cst.



Packings available:

Drums of 25 litres.
Drums of 200 litres.

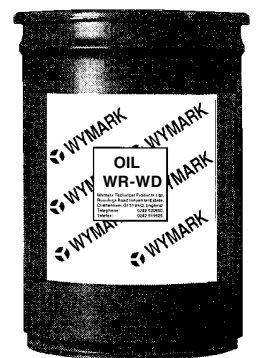
Notes on wire rope maintenance:

The lubrication of working wire ropes is a relatively difficult operation. In consequence it is often neglected. Indeed it is often wrongly assumed that a rope's initial treatment with lubricant is all that will be required for the whole of its working life.

It should be appreciated that each strand of rope is a load bearing surface, which requires similar attention to the working surfaces of a machine or bearing, if premature failure is to be avoided. The

purpose of wire rope lubrication is twofold - to reduce friction and to prevent corrosion. Each strand of wire in a rope is in contact with a number of other strands and with the core over its full length, and the total contact area is relatively large. To reduce friction and avoid wear as the rope is flexed over pulleys and drums, it is essential to maintain a film of lubricant on the individual strands and on the core. Correct lubrication of the rope will also reduce wear on pulleys and drums. The other principal cause of wire rope failure is corrosion. Unfortunately the structure of wire ropes is corrosion-conductive due to the ability of water or other corrosive fluids to penetrate between the strands. To counteract this it is essential to provide a protective film of corrosion inhibiting lubricant throughout the rope structure.

OIL WR-WD meets these requirements very effectively, and its use enables the working lives of wire ropes to be increased substantially.



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The information provided has been carefully compiled in good faith, on the basis of experience with standard production materials produced under rigorous quality control. However, the performance figures are provided for guidance only and are not intended to constitute a guaranteed specification.