



## NANO WIRE ROPE LUBRICANT (WRL) Paraffin Wax #0

Nano WRL specially formulated penetrating lubricant for outstanding performance under extreme loads. Complete coverage and protection of all wires and cables are reinforced by inorganic particles of tungsten disulfide (IF-WS<sub>2</sub>). Nano WRL seals the wires' surfaces from salt spray and moisture.

### Benefits

- Long-lasting lubrication throughout the rope
- Extends the service life of the wire rope
- Cost-effective: less waste, lower maintenance costs

### Applications

Nano WRL designed for a wide range of EP applications and suitable for use in marine environments. Recommended for:

- Lubrication and preservation of running ropes and strands
- Impregnation of wire ropes during manufacture

Test Parameters	ASTM Method	Results
NLGI Grade		0
Thickener Type		Paraffin wax
Color, Visual		Shiny Greenish
Texture, Visual		Smooth
Viscosity of Oil, cSt @ 40°C		220
Recommended Operating Temperature	ASTM D217	-20°C to 200°C
Penetration, Worked, 25°C	ASTM D92	395 Dmm
Flash Point, °C	ASTM D2509	300°C, min
Timken OK Load, lb	ASTM D2596	40
4-Ball Weld Load, N/kgf	ASTM D1264	400
Water Washout @ 79°C, % Wt. Loss	ASTM D4048	20%
Copper Corrosion	ASTM D6184	1b
Thermal Stability		5%

\* The above are average values.  
Minor variations which do not affect product performance are to be expected in normal manufacturing.