

VICKERLUBE BIO WRL



PART NUMBER

25765

DESCRIPTION

VICKERLUBE BIO WRL is a solvent free, biodegradable wire rope lubricant. It is formulated using readily renewable and biodegradable base oils and is suitable for applications where lubricant contamination and environmental issues are a concern.

VICKERLUBE BIO WRL is formulated to suit applications where high levels of corrosion and moisture are a concern. The fluidity helps to ensure that the rope strands are well lubricated, reducing internal wear caused by the metal-to-metal contact occurring when the wires slide or bend around a drum or sheave. Corrosion is prevented by displacing moisture and forming a thin barrier of continuous lubricant film protecting against the elements.

APPLICATIONS

VICKERLUBE BIO WRL is designed for use on wire ropes in applications where biodegradability is a concern or a necessity. It can be used on wire ropes to protect them while in storage against corrosion. It can also be used to effectively lubricate operational wire ropes that are static or moving, against wear and corrosion.

Applications include: -

- Quayside ship to shore cranes
- Container handling equipment including straddle carriers and reach stackers
- Marine Deck and Winch ropes
- All lifting and hoist ropes in mining and construction industries
- All static and guy rope applications typically found on bridge and waterway applications
- Lift and drag ropes used in logging and forestry applications

METHOD OF APPLICATION

VICKERLUBE BIO WRL can be applied manually or by spraying.

FEATURES AND BENEFITS

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| • Biodegradable and renewable | Lowers environmental impact, benefits corporate responsibility |
| • Low viscosity | Lubricates between rope strands |
| • De-watering characteristics | Displaces water, leaving a thin lubricant film |
| • Corrosion protection | Increases rope and cable life even in salt water |
| • Wear resistant | Protects ropes and cables against wear, increases life |
| • Extreme pressure resistance | Maximises component life in all load conditions |

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Certified to the ISO 9001
Quality Standard and the
ISO 14001 Environmental
Management Standard



FM 01851 EMS 40717

VICKERLUBE BIO WRL



CERTIFICATION

VICKERLUBE BIO WRL is manufactured to ISO 9001:2015 and ISO 14001:2015.

TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE BIO WRL	TEST METHOD	RESULT
Appearance	Visual	Clear and Bright
Viscosity at 40°C (cSt)	ASTM D7042	51
Flash Point (°C)	ASTM D92	> 200
Pour Point (°C)	ASTM D7346	- 18
Copper Corrosion (100°C, 3h)	ASTM D130	1
Rust Prevention 24hr Distilled Water	ASTM D665A	Pass
Rust Prevention 24hr Synthetic Sea Water	ASTM D665B	Pass
4 Ball Weld Load (kgf)	ASTM D2783	200
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.5
Density at 15°C (g/cm ³)	ASTM D4052	0.94
Shelf Life		3 years in original sealed containers whilst stored out of direct sunlight

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