



Trusted for Generations

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REV: 2

VICKERLUBE BIO LV WRL



PART NUMBER

25827

DESCRIPTION

VICKERLUBE BIO LV WRL is a biodegradable wire rope lubricant with a solvent component intended for spray application and to assist with penetration into the rope core. It is formulated using readily renewable and biodegradable base oils and is suitable for applications where lubricant contamination and environmental issues are a concern.

The low viscosity allows lubricant to penetrate between the strands of the rope providing complete rope lubrication. Once the solvent evaporates a high viscosity oil is left in-situ.

VICKERLUBE BIO LV 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 LV 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 LV WRL can be applied manually or by spraying. Store in a cool, dry place, out of direct sunlight. Storage temperature should be below 50°C.

CERTIFICATION

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

BENJ^N R. VICKERS & SONS LTD.

Registered Office
6 Clarence Road, Leeds,
LS10 1ND, United Kingdom
Registered in England
Company No. 00130013

Tel: +44 (0) 113 386 7654
Fax: +44 (0) 113 386 7676
Web: www.vickers-oil.com
Email: inbox@vickers-oil.com

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



FM 01851 EMS 40717

VICKERLUBE BIO LV WRL



FEATURES AND BENEFITS

- Biodegradable and renewable
 - Low viscosity
 - De-watering characteristics
 - Corrosion protection
 - Wear resistant
 - Excellent extreme pressure resistance
 - Formulated with a solvent component
- Lowers environmental impact, improves corporate responsibility
Lubricates between rope strands
Displaces water, leaving a thin lubricant film
Increases rope and cable life even in salt water
Protects ropes and cables against wear, increases life
Maximises component life in all load conditions
Spray application and penetration performance

TYPICAL CHARACTERISTICS AND PROPERTIES

VICKERLUBE BIO LV WRL	TEST METHOD	RESULT
Appearance	Visual	Clear and Bright
Viscosity at 40°C (cSt)	ASTM D7042	23
Flash Point (SETA) (°C)	IP 523	60
Pour Point (°C)	ASTM D7346	- 66
Copper Corrosion (100°C, 3h)	ASTM D130	1b
Rust Prevention 24hr Distilled Water	ASTM D665A	Pass
Rust Prevention 24hr Synthetic Sea Water	ASTM D665B	Pass
Base Oil Viscosity at 40°C (cSt)	ASTM D7042	330
4 Ball Weld Load (kgf)	ASTM D2783	>400
4 Ball Wear Scar Diameter (mm)	ASTM D4172	0.33
Density at 15°C (g/cm ³)	ASTM D4052	0.88
Shelf Life		3 years in original sealed containers whilst stored out of direct sunlight

Note: Viscosity, flash point, pour point and density data generated on diluted product (VICKERLUBE BIO LV WRL). All other data generated on neat oil prior to addition of solvent.

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