

ML253 ECOLOGY EAL WIRE ROPE GREASE

PRODUCT INFORMATION

Specifically designed with BIODEGRADABLE, non-toxic natural and synthetic ester base oils and a special calcium thickener system to protect the environment. Meets the specifications required by the EPA's Vessel General Permit (VGP).

A tacky, stringy grease that offers excellent penetration and superior coating protection for wire ropes that are exposed to severe environments including salt water.

This proprietary technology provides a long lasting product with excellent water resistance, good E.P. properties and wear protection. The tacky adhesive NLGI Grade 1 grease will provide a water resistant coating around the wire rope protecting it from rust and corrosion. Will not drip, sling off or wash off wire ropes.

Performance Level: DIN 51825 KP1K-25, DIN 51502, ISO 6743/9 L-XBCEB1, EPA EAL



Typical Applications

- Excellent for all types of wire ropes at temperatures as low as -25°C
- Ideal for salt water environments and submerged wire ropes
- Marine and ROV Cables
- Mining applications
- Construction Equipment
- Harbour Cranes and Syncrolift

Application Methods

For best results, apply ML253 ECOLOGY EAL Wire Rope Grease via the VIPER Wire Rope Lubricator.

Alternatively, apply via a brush or spatula.

Beneficial Qualities

- Vessel General Permit (VGP) Compliant Lubricant
- Readily biodegradable & Non Toxic
- Safe for the environment and marine life
- Easy and safe to apply
- Extends lube intervals and reduces lube consumption
- Increases wire rope life
- Reduces equipment downtime
- Reduces maintenance and operating costs = increased PROFITS
- Excellent salt water and water wash out resistance
- Effective rust protection and corrosion resistance



Technical Details

	ASTM Test	Unit	Result
Soap Base			Calcium
Colour			Green
Texture			Tacky, Stringy, Semi-Fluid
NLGI Grade	D-217		1
Worked Penetration at 25°C, 1/10mm	D-217		310 - 340
Dropping Point	D-2265	°C min	145
Copper Corrosion	D-4048		1b
4 Ball Test, Welding Point	D-2596	kgf	250
Timken OK Load	D-2509	lbs	45
Base Oil Viscosity @ 40°C	D-445	cSt	1500
Viscosity Index	D-2270		154
Water Wash-out	D-1264	% wt	1.8
Water Spray Off	D-4049	% wt	9.4
Working Temperature		°C	- 25 to + 90

Health & Safety

This product has been specifically designed to have minimal effect on the environment.

Biodegradability, OECD 301B	> 60%
Acute Toxicity 72 Hours, Algae OECD 201 [LC50]	> 1000 mg/l
Acute Toxicity 48 Hours, Daphnia OECD 202 [LC50]	> 1000 mg/l
Bioaccumulation, Partition Coefficient Log KOW OECD 117	< 3

Product Manufactured in Greece under an ISO 9001 and ISO 14001 Certified Quality & Environmental Management System

DISCLAIMER NOTICE:

A&S International Ltd does not guarantee that the information about the product is complete or accurate in all respects.

A&S International Ltd does not warrant that the product is suitable for your specific use of the product.

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