



BIOGREASE EP: REAL Resistance

The Environmentally Acceptable Grease combining corrosion protection with excellent resistance to wash off from rain and seawater

- Excellent resistance to water wash off
- Long lasting corrosion protection
- Good load carrying properties
- NLGI 0 & 2 available

For deck equipment, wire ropes and rudder stocks

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



FM 1851

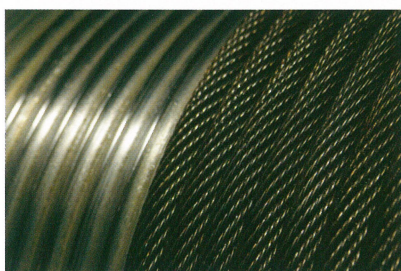


EMS 40717

Attribute	Benefit
Wider operating temperature	Protects equipment from -25°C to +130°C
Good adhesion	Resists the washing action of rain and seawater
Good corrosion protection	Provides rust resistance to steel and copper
Reduces wear and friction	Protects and extends equipment life
Good elastomer compatibility	Compatible with most sealing materials including Nitrile and Fluoroelastomers
Biodegradable and minimally toxic	Lower environmental risk



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BIOGREASE EP offers improved operation and lower environmental risk leading to overall cost savings.

BIOGREASE EP is a Lithium/Calcium thickened lubricating grease based on fully saturated synthetic esters. It is available in NLGI 0 and NLGI 2 grades.

BIOGREASE EP2 is designed for the lubrication of bearings and as a protective coating for exposed equipment in sensitive marine environments where there is a potential for loss to occur, for example from wire ropes, winches, rudder stocks or deck equipment.

BIOGREASE EP0 has been specifically formulated for use in rudder stocks as recommended by certain OEMs.

BIOGREASE EP has a biodegradability of greater than 60% in the 28 days OECD 301B test and is proven to be practically non-toxic in the marine environment based on the following results:

Fish LC50 exceeds 1000 mg/l;
Daphnia EC50 exceeds 1000 mg/l;
Algae EC50 exceeds 1000 mg/l.

BIOGREASE EP meets the detailed ecological definitions and requirements laid down in the 2013 Vessel General Permit (VGP) published by the US EPA in March 2013.



At a glance

Product	VGP Compliant	Attribute	Test	Result
BIOGREASE EP0 BIOGREASE EP2	✓	Water Wash Out	ASTM D1264	Excellent
		Corrosion Protection	ASTM D4048 Copper Corrosion	Good (1 max)
			ASTM D6138 Rust (Fresh and Salt Water)	No corrosion
		Wear Protection	ASTM D2266	Good
		Elastomer Compatibility	ASTM D4289 Nitrile, Fluoroelastomers	Compatible

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www.vickers-oil.com

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