



Trusted for Generations



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

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



| 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 Viton |
| Biodegradable and non-toxic | Lower environmental risk |



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



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 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 |
| | | EP Performance | ASTM D2596 | 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, Viton | Compatible |

to find out more visit:
www.vickers-oil.com

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