



Mobil SHC™ Aware™ Grease EP 2

ExxonMobil Marine , Brazil

Readily Biodegradable Non-Toxic Grease

Product Description

Mobil SHC Aware™ Grease EP 2 is a high performance synthetic grease designed specifically for applications which are environmentally sensitive and meets the requirements of the U.S. Environmental Protection Agency (EPA) 2013 Vessel General Permit (VGP). This leading product is readily biodegradable and virtually non-toxic grease and is formulated based on biodegradable saturated ester base oils and a lithium/calcium soap thickener. It does not emulsify and has excellent water wash and salt water corrosion resistance.

Features and Benefits

- Meets requirements of US EPA 2013 VGP requirements for environmentally acceptable lubricants
- Ready Biodegradability and Non-Toxicity reduces potential for environmental impact and potentially lowers remediation and clean-up costs caused by spills or leakage
- Excellent adhesion and water resistance, resists water washout, avoiding need for frequent re-greasing
- Excellent rust and corrosion protection, excellent bearing protection in wet conditions
- Recommended working temperature is from -25°C to +125°C

Applications

- Rudder stocks
- ATB notch interfaces
- Cranes
- Deck winches
- General grease points

Specifications and Approvals

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|---|
| This product meets or exceeds the requirements of: |
| US EPA VGP:2013 |

Properties and Specifications

| Property | |
|---|--------|
| Grade | NLGI 2 |
| Appearance, Visual | Amber |
| Viscosity @ 40 C, Base Oil, mm ² /s, ASTM D445 | 150 |
| Dropping Point, °C, ASTM D2265 | >160 |
| Penetration, Worked, 60X, 0.1 mm, ASTM D217 | 280 |

| Property | |
|---|-------|
| Water Washout Loss at 79C, wt %, ASTM D1264 | 7 |
| SKF Emcors Rust Test, Distilled Water, Rating, ASTM D6138 | 0,0 |
| Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048 | 1B |
| Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596 | 400 |
| Four-Ball Extreme Pressure Test, Load Wear Index, kgf, ASTM D2596 | 65 |
| Biodegradability after 28 days, %, OECD 301B | >60 |
| Acute Algae Toxicity, EC50, 72 h, mg/l, OECD 201 | >1000 |
| Bioaccumulation, Partition Coefficient, Log Pow, OECD 117 | <3 |

Health and safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ <http://www.msds.exxonmobil.com/psims/psims.aspx>

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ExxonMobil Marine Limited
Ermyrn Way
Leatherhead, Surrey
United Kingdom KT22 8UX

<http://www.exxonmobil.com>

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