



Mobil SHC™ Aware™ Grease EP 2

ExxonMobil Marine , Guyana

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

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 Emcor 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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