Mobil SHC™ Grease 100 EAL Series

Mobil Grease , Caribbean

Grease

Product Description

Mobil SHC™ Grease 101 EAL and 102 EAL are superior performance greases designed specifically for applications that require environmentally sensitive lubricants. These high performance greases are biodegradable and virtually non-toxic. They are formulated from a biodegradable synthetic ester base oil, carefully chosen high performance additives and a lithium soap thickener. The wax-free nature of the synthetic base fluid, together with its low traction coefficient, provide excellent low temperature pumpability and very low starting and running torque - a significant benefit considering that many environmentally sensitive applications are outdoors.

The Mobil SHC Grease 100 EAL Series is formulated for applications where grease leakage or run out could contaminate soil, groundwater, surface water systems, or indoor plant water systems. They are recommended for plain and rolling element bearings and couplings that operate at temperatures from -40°C to 120°C, with appropriate adjustments to re-lubrication interval. Mobil SHC Grease 101 EAL and 102 EAL are NLGI grade 1 and 2 respectively.

Features and Benefits

Mobil SHC Grease 101 EAL and 102 EAL offer the following benefits:

The Mobil™ EAL brand of environmentally sensitive products has gained an exceptional reputation with OEMs and customers for its excellent performance. These greases provide the optimum balance between the need for environmentally friendly lubricants and the requirement for high performance lubricants for mobile and stationary mechanical equipment Mobil SHC Grease 100 EAL Series greases are compatible with the previous generation Mobilgrease EAL 100 Series.

Features	Advantages and Potential Benefits
Virtually non-toxic in the OECD 203 Method Aquatic Toxicity Test	Minimal effects of spills on environment
Formulated from biodegradable synthetic ester base oil	Biodegradation of material in sensitive areas with minimal non-biodegradable residue, avoidance of costly clean-up in some jurisdictions
Good adhesion and water resistance	Resists water washout, avoiding need for frequent re-greasing
Excellent rust and corrosion protection	Excellent bearing protection in wet conditions, with long bearing life

Applications

Mobil SHC Grease 101 EAL and 102 EAL are members of the Mobil family of Environmental Awareness Lubricants (EAL) and are specifically designed for applications where contamination of the environment is a risk.

- Marine equipment
- Water treatment plants
- Dams, locks and water ways
- Construction equipment
- Farm machinery
- Hydroelectric generation plants

Specifications and Approvals

This product meets or exceeds the requirements of:	101	102
DIN 51825:2004-06 - KP E 1 K -40	X	
DIN 51825:2004-06 - KP E 2 K -40		X

Properties and Specifications

Property	101	102
Grade	NLGI 1	NLGI 2
Thickener Type	Lithium	Lithium
Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048	1A	1A
Corrosion Prevention, Rating, ASTM D1743	Pass	Pass
Dropping Point, °C, ASTM D2265	180	180
Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2596	200	200
Penetration, 60X, 0.1 mm, ASTM D217	325	280
Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445	100	100
Water Washout, Loss @ 79 C, wt%, ASTM D1264	8	6.5

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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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com

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