



Mobil SHC™ Grease 100 EAL Series

Mobil Grease, France

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, mm ² /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>

All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries unless indicated otherwise.

12-2022

Esso Société Anonyme Française

20 rue Paul Héroult
92000 Nanterre, France

Société Anonyme au capital de 98 337 521,70 euros

RCS Nanterre 542 010 053

You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: <https://www.mobil.fr/fr-fr/contact-us>

Tel. +33 (0)1 49 67 90 00

<http://www.exxonmobil.com>

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

ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.



© Copyright 2003-2023 Exxon Mobil Corporation. All Rights Reserved