



Mobilux™ EP 111

Mobil Grease , Barbados

Grease

Product Description

Mobilux EP 111 is an extra high performance grease primarily designed for lubrication of all AGMA CG-3 couplings. It is specifically formulated to help protect against wear even in heavily loaded misaligned low speed gear couplings. Mobilux EP 111 is a lithium hydroxystearate grease formulated with an extremely heavy, viscous mineral base oil. Mobilux EP 111 also contains an oil soluble molybdenum additive, as well as a very effective corrosion inhibitor. It is an NLGI 1 Grade grease.

Mobilux EP 111 has shown excellent performance and protection in a broad range of industries. Based on its longstanding performance capabilities, this grease has become the product of choice for many users.

Features and Benefits

The Mobilux brand of products is well known and highly regarded world-wide based on their very good performance over an extended period. The excellent qualities of one of these lubricants in this family, Mobilux EP 111, have made it the choice of many users.

Mobilux EP 111 enjoys an excellent reputation in the lubrication of all types of heavily loaded couplings in a wide variety of applications, and offers the following advantages and potential benefits:

| Features                                   | Advantages and Potential Benefits                                                               |
|--------------------------------------------|-------------------------------------------------------------------------------------------------|
| Very good viscometrics and wear protection | Extended coupling protection and coupling life: helping to reduce maintenance replacement costs |
| Resists oil separation                     | Less oil leakage helping to reduce lubricant consumption                                        |
| Good high temperature stability            | Long grease life helping extend relubrication intervals                                         |
| Good resistance to rust and corrosion      | Maintains grease performance even in presence of water                                          |

Applications

Mobilux EP 111 is recommended for all types of heavily loaded lubricated couplings. Mobilux EP 111 has a recommended operating temperature range of -10 to 120° C. Mobilux EP 111 has performed very well in the following applications:

- Gear and grid couplings
- Spring and slipper joint couplings
- Spindle (gear) and chain couplings
- Low speed open gears and plain bearings

Specifications and Approvals

|                                                    |
|----------------------------------------------------|
| This product meets or exceeds the requirements of: |
| AGMA CG-3                                          |

Properties and Specifications

| Property                                                                       |         |
|--------------------------------------------------------------------------------|---------|
| Grade                                                                          | NLGI 1  |
| Thickener Type                                                                 | Lithium |
| Base Oil Viscosity of Greases @ 100 C, mm2/s, AMS 1700                         | 45      |
| Color, Visual                                                                  | Black   |
| Corrosion Preventive Properties, Rating, ASTM D1743                            | PASS    |
| Dropping Point, °C, ASTM D2265                                                 | 180     |
| Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2596                    | 315     |
| Four-Ball Wear Test, Scar Diameter, 40 kg, 1200 rpm, 1 h, 75 C, mm, ASTM D2266 | 0.4     |
| Penetration, 60X, 0.1 mm, ASTM D217                                            | 325     |
| Timken OK Load, lb, ASTM D2509                                                 | 50      |

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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