



## MOBILGREASE™ 320 MOLY SERIES

Mobil Grease , Myanmar

High Performance Extreme Pressure Grease

### Product Description

Mobilgrease 320 Moly series are high performance extreme-pressure greases. They are based on highly refined mineral oil, specially formulated with a lithium thickener system and contains 3% moly (molybdenum disulphide) for added wear protection. It also contains an extreme pressure additive for exceptional wear protection under harshest operating conditions, as well as other additives for oxidation resistance and rust protection which protect machines and ensure strong reliable performance.

Mobilgrease 320 Moly series is well-suited in mining and construction equipment for lubricating highly loaded plain and antifriction bearings and other applications where the 3% moly will provide superior protection. Highly cost effective grease solution for off-highway applications which require frequent re-greasing, and enhance machine performance.

### Features and Benefits

Mobilgrease 320 Moly series offers excellent rust and corrosion protection, superior load carrying performance and good resistance to oxidation.

- Reduced maintenance and longer equipment life
- Exceptional wear protection in extreme conditions
- Increased reliability and performance

### Applications

Mobilgrease 320 Moly series is recommended for heavily-loaded applications where frequent re-greasing is required due to leakage or contamination and a cost effective grease is required.

- Heavy duty bearings subject to shock loading
- Slow rotating bearings subject to extreme pressure
- Plain sleeve bearings

### Properties and Specifications

| Property   | MOBILGREASE 321 MOLY | MOBILGREASE 322 MOLY |
|--|----------------------|----------------------|
| Grade  | NLGI 1               | NLGI 2               |
| Thickener Type   | Grease - Lithium     | Grease - Lithium     |
| Base Oil Viscosity of Greases @ 40 C, mm <sup>2</sup> /s, AMS 1697 | 320                  | 320                  |
| Color, Visual  | Grey                 | Grey                 |
| Copper Strip Corrosion, Rating, ASTM D4048                         | 1A                   | 1A                   |
| Corrosion Preventive Properties, Rating, ASTM D1743                | Pass                 | Pass                 |
| Dropping Point, °C, ASTM D2265                                     | 190                  | 190                  |
| Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2596        | 315                  | 315                  |

| Property   | MOBILGREASE 321 MOLY | MOBILGREASE 322 MOLY |
|--|----------------------|----------------------|
| Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266 | 0.5                  | 0.5                  |
| Molybdenum Disulfide Content, wt %, CALCULATED     | 3                    | 3                    |
| Penetration, 60X, 0.1 mm, ASTM D217                | 325                  | 280                  |
| SKF Emscor Rust Test, Distilled Water, ASTM D6138  | 0,0                  | 0,0                  |
| Timken OK Load, lb, ASTM D2509                     | 40                   | 40                   |

### 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.

04-2021

Energy lives here™

**ExxonMobil**

Exxon Mobil  

© Copyright 2003-2019 Exxon Mobil Corporation. All Rights Reserved