



## Mobilux™ EP 0, 1, 2

Mobil Grease , Niger

Grease Oil

### Product Description

Mobilux EP 0, 1, and 2 products are a high performance family of general-purpose industrial greases. These lithium hydroxystearate greases are formulated to provide extra protection against wear, rusting and water washout. They are available in NLGI grades ranging from 0 to 2, with base oil viscosities ISO VG 150.

Mobilux EP 0, 1, and 2 greases are recommended for most types of industrial applications including heavy-duty applications where high unit pressures or shock loads are present. These greases provide excellent protection against rust and corrosion and resist water wash-out which makes them particularly suitable for equipment where moist or wet conditions are common. Mobilux EP 0 and 1 are suitable for centralised systems. Mobilux EP 2 are general-purpose greases. The recommended operating temperature range is from -20°C to 130°C, but they may be used at higher temperatures if the lubrication frequency is increased accordingly.

### Features and Benefits

Mobilux EP greases have a long history of proven performance and have demonstrated superior performance versus competitive products in the areas of corrosion protection, low temperature pumpability and high temperature service life. A Timken OK load of 40 lb illustrates their load carrying and extreme pressure capability.

- Reduced wear under heavy or shock loading and vibration for good equipment reliability and availability
- Protection against rust and corrosion and resistance to water washout for equipment protection and good lubrication even in presence of water
- Extended bearing life potential in wet environments for reduced bearing costs and unanticipated downtime
- Good pumpability in centralised systems (Mobilux EP 0 and 1)

### Applications

- Mobilux EP 0 and EP 1 provide good low temperature pumpability and are suitable for centralised lubrication systems and other applications where low temperature performance is required.
- Mobilux EP 2 is recommended for multipurpose applications in antifriction and plain bearings, bushings and pins under normal operating conditions.

### Specifications and Approvals

| This product meets or exceeds the requirements of: | MOBILUX EP 0 | MOBILUX EP 1 | MOBILUX EP 2 |
|----------------------------------------------------|--------------|--------------|--------------|
| DIN 51825:2004-06 - KP 1 K -20                     |              | X            |              |
| DIN 51825:2004-06 - KP 2 K -20                     |              |              | X            |
| DIN 51826: 2005-01 GP0G-10                         | X            |              |              |

### Properties and Specifications

| Property | MOBILUX EP 0 | MOBILUX EP 1 | MOBILUX EP 2 |
|----------|--------------|--------------|--------------|
| Grade    | NLGI 0       | NLGI 1       | NLGI 2       |

| Property                                                     | MOBILUX EP 0 | MOBILUX EP 1 | MOBILUX EP 2 |
|--------------------------------------------------------------|--------------|--------------|--------------|
| Thickener Type                                               | Lithium      | Lithium      | Lithium      |
| Copper Strip Corrosion, 24 h, 100 C, Rating, ASTM D4048      | 1A           | 1A           | 1A           |
| Dropping Point, °C, ASTM D2265                               | 190          | 190          | 190          |
| Four-Ball Extreme Pressure Test, Weld Point, kgf, ASTM D2596 | 250          | 250          | 250          |
| Four-Ball Wear Test, Scar Diameter, mm, ASTM D2266           | 0.4          | 0.4          | 0.4          |
| Penetration, 60X, 0.1 mm, ASTM D217                          | 370          | 325          | 280          |
| SKF Emcor Rust Test, Distilled Water, ASTM D6138             | 0 , 0        | 0 , 0        | 0 , 0        |
| Timken OK Load, lb, ASTM D2509                               | 40           | 40           | 40           |
| Viscosity @ 100 C, Base Oil, mm2/s, ASTM D445                | 14.8         | 14.8         | 14.8         |
| Viscosity @ 40 C, Base Oil, mm2/s, ASTM D445                 | 160          | 160          | 160          |
| Viscosity Index, ASTM D2270                                  | 91           | 91           | 91           |

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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04-2024

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