



MOBILGEAR™ EP SERIES

Mobil Industrial , Peru

Mobil Industrial

Product Description

Mobilgear EP lubricants are a family of industrial extreme pressure gear lubricants. They are formulated with mineral oils, which help reduce sludge formation, helping to increase oil service life.

Mobilgear EP gear oils are suitable for use wherever industrial gear oils are specified, and provide protection in applications where shock loading occurs.

Features and Benefits

Mobilgear EP oils can handle a variety of industrial gear applications.

Mobilgear EP gear oils offer the following benefits:

- EP wear protection of gears and bearings
- Resistance to sludge formation
- Improved oxidation resistance
- Applicable for use in splash or circulation systems

Applications

Mobilgear EP gear oils are suitable in a wide range of industrial spur, helical, bevel and steel-on-steel worm gearing, including drives for conveyers, agitators, dryers, fans, mixers, presses, pulpers, pumps, screens, extruders, and oil well pumps.

Properties and Specifications

| Property | MOBILGEAR EP 150 | MOBILGEAR EP 220 | MOBILGEAR EP 320 | MOBILGEAR EP 460 |
|---|------------------|------------------|------------------|------------------|
| Grade | ISO 150 | ISO 220 | ISO 320 | ISO 460 |
| Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130 | 1B | 1B | 1B | 1B |
| EP Properties, Timken OK Load, lb, ASTM D2782 | 60 | 60 | 60 | 60 |
| Emulsion, Time to 37 mL Water, 82 C, min, ASTM D1401 | 30 | 30 | 30 | 60 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 208 | 274 | 276 | >300 |
| Four-Ball Extreme Pressure Test, Load Wear Index, kgf, ASTM D2783 | 42.5 | 42.5 | 42.5 | 42.5 |
| Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2783 | 250 | 250 | 250 | 250 |

| Property | MOBILGEAR 150 EP | MOBILGEAR 220 EP | MOBILGEAR 320 EP | MOBILGEAR 460 EP |
|--|------------------|------------------|------------------|------------------|
| Kinematic Viscosity @ 100 C, mm ² /s, ASTM D445 | 15 | 18.9 | 24.1 | 30.4 |
| Kinematic Viscosity @ 40 C, mm ² /s, ASTM D445 | 152 | 220 | 320 | 455 |
| Pour Point, °C, ASTM D97 | -21 | -18 | -15 | -12 |
| Viscosity Index, ASTM D2270 | 99 | 96 | 96 | 96 |

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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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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