Mobilgear™ EP Series

Mobil Industrial , India

Gear Oil

Product Description

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

Mobilgear EP oils contain an additive system that gives high load carrying ability and protection against wear, plus protection against corrosion.

Mobilgear EP oils have good water handling properties and can be used in either splash or circulating systems.

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. They are manufactured with high quality mineral stocks and a specially chosen additive system, under the highest level of quality assurance and control in our modern blending facilities.

Mobilgear EP gear oils offer the following benefits:

- EP wear protection of gears and bearings
- Resistance to sludge formation
- Good oxidation resistance for long oil charge life
- Good demulsibility to ease water removal
- 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.

Specifications and Approvals

This product meets or exceeds the requirements of:	MOBILGEAR EP 150	MOBILGEAR EP 220	MOBILGEAR EP 320	MOBILGEAR EP 460
DIN 51517-3:2018-09	X	X	X	X
ISO L-CKC (ISO 12925-1: 2018)	X	X	X	X

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

Property	MOBILGEAR EP 150	MOBILGEAR EP 220	MOBILGEAR EP 320	MOBILGEAR EP 460
Emulsion, Time to 37 mL Water, 82 C, min, ASTM D1401	30	30	30	45
FZG Scuffing, A/8.3/90, Fail Stage, Rating, DIN 51354	>12	>12	>12	>12
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
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	15	18.9	24.1	30.4
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	152	220	320	455
Pour Point, °C, ASTM D97	-21	-18	-15	-12
Rust Characteristics, Procedure B, ASTM D665	Pass	Pass	Pass	Pass
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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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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