Mobil

MOBILGEAR™ EP SERIES

Mobil Industrial , Pakistan

Gear Oil

Product Description

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

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

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

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

Features and Benefits

Mobilgear EP Series 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 Series 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 Series 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
China GB 5903-2011, L-CKD	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	1A	1A	1A	1A
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	35
FZG Scuffing, A/8.3/90, Fail Stage, Rating, DIN 51354	12+	12+	12+	12+
Flash Point, Cleveland Open Cup, °C, ASTM D92	230	240	240	240
Four-Ball Extreme Pressure Test, Load Wear Index, kgf, ASTM D2783	56	60	60	60
Four-Ball Extreme Pressure Test, Weld Load, kgf, ASTM D2783	300	300	300	300
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	14.7	19	24.1	30.6
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	150	220	320	460
Pour Point, °C, ASTM D97	-24	-24	-21	-15
Rust Characteristics, Procedure B, ASTM D665	Pass	Pass	Pass	Pass
Viscosity Index, ASTM D2270	97	97	97	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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