Mobil

Mobilgear™ EP Series

Mobil Industrial , Luxembourg

Extreme Pressure Gear Oil

Product Description

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

Mobilgear EP oils contain an additive system that gives high load carrying ability, protection against wear and corrosion whilst ensuring good water handling properties.

Mobilgear EP oils are suitable for use wherever industrial gear oils are specified, in either splash or circulating systems, providing protection in applications with constant or shock loading.

Features and Benefits

Features	Advantages and Potential Benefits
Extreme pressure wear protection of gears and bearings	Less gear and bearing wear resulting in unexpected downtime
Good resistance to oxidation and thermal degradation	Contributes to extended lubricant life and lower lubrication costs
Resistance to sludge and deposit formation	Helps keep the system clean and reduce maintenance
Good demulsibility and corrosion protection	Protection in presence of humidity and ease water separation
Applicable for use in splash or circulation systems	Wide range of applications helps simplify the inventory

Applications

Mobilgear EP gear oils are suitable for 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 12925-1:2024)	X	X	X	X

Properties and Specifications

Property	MOBILGEAR EP 150	MOBILGEAR EP 220	MOBILGEAR EP 320	MOBILGEAR EP 460

Property	MOBILGEAR EP 150	MOBILGEAR EP 220	MOBILGEAR EP 320	MOBILGEAR EP 460
Grade	ISO VG 150	ISO VG 220	ISO VG 320	ISO VG 460
Copper Strip Corrosion, 3 h, 100 C, Rating, ASTM D130	1B	1B	1B	1B
Density @ 15 C, g/ml, ASTM D4052	0.88	0.88	0.89	0.89
Emulsion, Time to 37 mL Water, 82 C, min, ASTM D1401	10	10	15	15
Flash Point, Cleveland Open Cup, °C, ASTM D92	250	242	262	258
Foam, Sequence I, Stability, no Option A, ml, ASTM D892	0	0	0	0
Foam, Sequence I, Tendency, no Option A, ml, ASTM D892	40	20	0	0
Foam, Sequence II, Stability, no Option A, ml, ASTM D892	0	0	0	0
Foam, Sequence II, Tendency, no Option A, ml, ASTM D892	0	0	10	20
Foam, Sequence III, Stability, no Option A, ml, ASTM D892	0	0	0	0
Foam, Sequence III, Tendency, no Option A, ml, ASTM D892	0	0	0	0
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	15.2	19.4	24.9	30.8
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	150	220	320	460
Pour Point, °C, ASTM D97	-18	-15	-12	-9
Viscosity Index, ASTM D2270	95	95	95	95

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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