

ULTRAGEAR EP SERIES

PREMIUM SEMI-SYNTHETIC GEAR LUBRICANTS

APPLICATIONS:

Ultragear EP lubricants are a series of semi-synthetic, heavy duty industrial gear oils intended for gears operating under adverse loads and temperatures. The Ultragear EP series is designed to outperform mineral-based gear fluids offering better wear protection, lower operating temperatures, reduced power draw, and improved oxidative and thermal stability. The premium additive package utilized in this series offers robust EP performance and cleanliness without aggressiveness towards yellow metals. Ultragear EP lubricants are available in a wide range of ISO viscosity grades from 150 to 680.

TYPICAL INDUSTRIAL APPLICATIONS:

- Enclosed Gear Units: i.e. Spur, Helical, Bevel & Worm Gears
- Extruder Reducers
- Agitator Drives
- Plain and Roller Contact Bearings
- Centrifugal Gear Boxes
- Circulating and Splash Lubricated Systems

PERFORMANCE FEATURES:

- Excellent EP performance
- High viscosity index
- Wide temperature range
- Excellent demulsibility
- Reduced energy consumption
- Longer life than conventional oils
- Reduced downtime due to extended change intervals
- Intended for heavy-duty extreme pressure industrial applications

Ultragear EP Gear Oils meet the requirements of U.S. Steel 224; AGMA 250.04; DIN 51517 Part 3; David Brown S1.53.101; Cincinnati Milacron.

TYPICAL PROPERTIES	TEST METHOD	Ultragear 150 EP	Ultragear 220 EP	Ultragear 320 EP	Ultragear 460 EP	Ultragear 680 EP
ISO Grade	ASTM D2422	150	220	320	460	680
Viscosity @ 40°C,cSt	ASTM D445	151	215	305	460	668
Viscosity @ 100°C,cSt	ASTM D445	17.5	22.8	29.3	41.0	44.5
Viscosity Index	ASTM D2270	127	133	130	133	121
Flash Point, °C	ASTM D92	>220	>220	>220	>220	>220
Pour Point, °C	ASTM D97	<-20	<-20	<-20	<-20	<-20
Copper Corrosion	ASTM D130	1B	1B	1B	1B	1B
Rust Prevention	ASTM D665	Pass	Pass	Pass	Pass	Pass
Color	Visual	Amber	Amber	Amber	Amber	Amber
Four Ball Wear (Scar, mm)	ASTM D4172	<0.35	<0.35	<0.35	<0.35	<0.35
Four Ball EP (Weld Load, kg)	ASTM D2783	>400	>400	>400	>400	>400
AGMA Lubricant Number	---	4 EP	5 EP	6 EP	7 EP	8 EP
Specific Gravity	ASTM D4052	0.86	0.87	0.87	0.87	0.88

HEALTH & SAFETY

To obtain an SDS on this or any other Ultrachem product, please contact your representative.

TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at info@ultracheminc.com



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