

GEARLUBE EP

Gearlube EP series are premium quality synthetic heavy-duty industrial gear oils offering outstanding lubrication performance and load carrying capacity under severe operating conditions including shock loading. These are formulated from Polyalphaolefin (PAO) synthetic base stocks having exceptional oxidation resistance and thermal properties and excellent low temperature fluidity. The combination of naturally high viscosity index base stocks coupled with carefully selected additive technology provides excellent protection against scuffing and resistance against micro pitting fatigue under wide operating temperature range.

BENEFITS

- Outstanding load carrying capability and micro-pitting performance protects gears against scuffing and wear leading to enhanced equipment life and reduced maintenance costs.
- High viscosity index base stocks provide excellent low temperature fluidity and effective lubrication over a wide temperature range.
- Superior thermo-oxidative stability provides enhanced system cleanliness and enables longer service intervals
- Low traction and enhanced lubricity helps provide extra energy efficiency.
- Excellent resistance to rust and corrosion protection and good demulsibility ensures trouble free operation at high temperatures and applications encountering water contamination.
- Good seal and paint compatibility with a wide variety of seals and paints.

PERFORMANCE LEVEL

Meets:

- AGMA 250.04 (EP)
- David Brown Table E
- U.S. Steel 224
- AGMA 251.02(EP)
- AGMA 9005-D94 (EP)

APPLICATIONS

Heavy-duty industrial enclosed gear boxes operating under severe conditions like high load, extreme temperatures and wide temperature range. Filled for life systems, Bearing and circulation systems where high temperatures are encountered, it is suitable for remotely located gearboxes, where oil change-out is difficult.

PRODUCT CHARACTERISTICS

PROPERTIES	UNITS	VALUE					TEST METHOD
ISO GRADE	-	150	220	320	460	680	DIN 51511
AGMA Lubricant Number		4EP	5EP	6EP	7EP	8EP	-
Specific Gravity @ 15 °C	-	0.848	0.853	0.857	0.859	0.868	ASTM D-4052
Viscosity @ 40 °C	mm ² /s	150.1	220.4	320.5	460.7	681	ASTM D-445
Viscosity @ 100 °C	mm ² /s	19.0	25.4	34.1	45.6	61.3	ASTM D-445
Viscosity Index	-	144	146	150	155	158	ASTM D-2270
Flash Point, COC	°C	247	249	251	257	261	ASTM D-92
Pour Point	°C	-36	-33	-30	-27	-24	ASTM D-97
Timken OK Load	Lb	60	60	70	70	70	-
FZG Test, NO. Stage Passed	-	12	12	12	12	12	-
Rust Test	-	Pass	Pass	Pass	Pass	Pass	-
Copper Strip Corrosion Test	°C	1a	1a	1a	1a	1a	ASTM D-130
Color	-	0.5	L 1.0	1.0	L 1.5	1.5	ASTM D-1500
Product Code	-	450342	450142	460142	480142	450442	-

