



PSO Gearled EP series, a premium-quality lead-free extreme pressure gear oil specially developed for industrial gear lubrication. Formulated with high-quality mineral oils and additives featuring sulphur-phosphorus compounds, this oil imparts excellent anti-wear and extreme pressure properties. PSO Gearled EP surpasses conventional additive technology with improved thermal stability and resistance against oxidation.

## Benefits

- Possesses excellent anti-wear capability.
- Imparts outstanding extreme pressure properties.
- Employs excellent anti-foam characteristics.
- Ensures good demulsibility.
- Provides reliable rust and corrosion protection.

## Applications

- Primarily designed for enclosed gears operating under severe service conditions.
- Recommended for gearboxes in heavy industries such as steel mills, sugar mills, cement plants, etc.
- Suitable for lubricating bearings and other components in circulating and splash-lubricated systems.

## Performance Standards

- AGMA 9005-F-16 (AS)
- DIN 51517 Part 3
- AIST 224 (US Steel 224)
- David Brown S1.53.101 Type M, A & E
- ISO 12925-1 CKC/CKD

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS						
		68	100	150	220	320	460	680
ISO VG								
Density @ 15 °C, kg/L	ASTM D-4052	0.8904	0.8945	0.8975	0.9011	0.9045	0.9084	0.9322
K. Viscosity @ 40 °C, cSt	ASTM D-445	68.4	100.1	151.0	220.4	320.7	465.0	693.0
K. Viscosity @ 100 °C, cSt	ASTM D-445	8.61	11.18	14.80	19.30	24.50	31.21	35.10
Viscosity Index	ASTM D-2270	99	98	98	98	98	98	81
Flash Point (COC), °C	ASTM D-92	228	234	240	242	244	246	256
Pour Point, °C	ASTM D-97	-21	-18	-15	-12	-9	-9	-9

\*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from [lubricants.technical@psopk.com](mailto:lubricants.technical@psopk.com)