



PSO Gearled EP series is a premium quality lead-free extreme pressure gear oil developed for industrial gear lubrication. The oil is formulated with high quality mineral oils and additives containing sulphur-phosphorus compounds to impart anti-wear and extreme pressure properties. PSO Gearled EP exhibits improved thermal stability and resistance against oxidation over conventional additive technology.

## Benefits

- Excellent anti-wear capability.
- Outstanding extreme pressure property.
- Excellent anti-foam characteristics.
- Good demulsibility.
- Rust and corrosion protection.

## Applications

- Primarily intended for enclosed gears operating under severe service conditions.
- Recommended for gear boxes in heavy industries such as steel mills, sugar mills and, cement plants, etc.
- Suitable for lubrication of 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 S1.53101 (5E)
- ISO 12925-1 CKC/CKD

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS						
		68	100	150	220	320	460	680
Density @ 15 °C, kg/L	ASTM D-1298	0.8903	0.8958	0.8971	0.9023	0.9049	0.9088	0.9324
K. Viscosity @ 40°C, cSt	ASTM D-445	66.96	98.97	149.40	222.40	319.70	459.70	691.70
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	212	214	218	222	226	230	234
Pour Point, °C	ASTM D-97	-21	-18	-18	-15	-12	-12	-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)