



# GEARTEC – GEAR OIL EP GL-5

PSO Geartec - Gear Oil EP GL-5 series, developed with a highly refined mineral base oil and a specialized sulphur-phosphorous additive to ensure protection under high-temperature and load conditions. Available in both mono and multi-grade variants for automotive manual transmission, this gear oil features an appropriate and balanced extreme pressure additive technology. This technology minimizes the risk of scuffing and scoring for transmission gears operating under high-speed and high-torque conditions, meeting the API GL-5 performance standard.

## Benefits

- Boost gear life with superior extreme pressure and anti-wear performance.
- Excellent protection against wear and scoring caused by high speed and heavy loads.
- Extends oil life with superb oxidation resistance.
- Smooth gear shifts provide seamless driving experience.
- Excellent low-temperature performance, ensuring reliability in various conditions.
- Maintains compatibility with seals and gaskets for overall engine health.

## Applications

- Ideal for automotive gearboxes, differentials, and hypoid gear sets in a range of vehicles, including passenger cars, commercial vehicles, and off-road construction and agricultural equipment.
- The multi-grade viscosity ensures good cold flow properties, supporting equipment operating over a broad ambient temperature range while providing maximum gear protection.
- Recommended for gears, especially hypoid, in passenger cars and other automotive equipment. It excels in high-speed/shock-load, high-speed/low-torque, and low-speed/high-torque conditions.
- Axle oil suitable for general applications.

## Performance Standards

- API GL-5
- ZF TE-ML 07A, 08
- GB 13895

## Typical Characteristics\*

PROPERTIES	METHODS	TYPICAL RESULTS			
SAE		90	140	80W-90	85W-140
Density @ 15°C, kg/L	ASTM D-4052	0.9009	0.9083	0.9003	0.9084
Kinematic Viscosity @ 100°C, cSt	ASTM D-445	16.60	27.97	14.66	26.15
Kinematic Viscosity @ 40°C, cSt	ASTM D-445	175.60	388.90	144.60	342.30
Viscosity Index	ASTM D-2270	99	98	100	100
Flash Point (COC), °C	ASTM D-92	212	216	212	216
Pour Point, °C	ASTM D-97	-12	-6	-21	-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)