



GEARTEC – GEAR OIL EP GL 5

PSO Geartec - Gear Oil EP GL-5 is formulated with a highly refined mineral base oil and a special sulphur-phosphorous additive to give protection under high temperature and load conditions. The oils are available in mono and multi-grades variants for automotive manual transmission. An appropriate and balanced extreme pressure additive technology minimizes scuffing and scoring of transmission gears operating at high speed and high torque conditions where API GL-5 performance is required.

Benefits

- Superior extreme pressure anti-wear performance enhances gear life.
- Excellent protection against wearing and scoring produced by high speed and heavy loads.
- Superb oxidation resistance enhances oil life.
- Smooth gearshift.
- Excellent low temperature performance.
- Compatible with seals and gaskets.

Applications

- Automotive gearboxes, differentials and hypoid gear sets in passenger cars, commercial vehicles, off-road construction and agricultural equipment.
- Multi-grade viscosity has good cold flow properties to support equipment operating over a broad ambient temperature range for gear protection.
- Recommended for the type of service characteristics of gears, particularly hypoid, in passenger cars and other automotive equipment, operating under high-speed/shock load, high speed/low torque, and low-speed/high-torque conditions.
- Axle oil for general applications.

Performance Standards

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

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS			
		90	140	80W-90	85W-140
Density @ 15°C, kg/L	ASTM D-4052	0.9009	0.9083	0.9003	0.9084
K. Viscosity @ 100°C, cSt	ASTM D-445	16.60	27.97	14.66	26.15
K. 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