

# GL-5

SAE 80W-90 / 85W-140 / 90 / 140

## Product Description

GL-5 is a high quality automotive gear oil. It is formulated from high quality base oil and high quality EP additive for providing excellent gear protection especially hypoid axles and also heat resistance and prolong oil drain interval. Recommended for manual transmissions and rear axles in passenger cars, light trucks and commercial vehicles.

## Benefits

- Provides superior oxidation and thermal stability.
- Gives high degree of rust protection.
- Contains extreme pressure additive which can protect wear for all working conditions.
- Protects against sludge formation and prolongs draining intervals.

## Applications

- Designed for heavy duty of manual transmissions and hypoid axles of commercial vehicles such as trailers, trucks, buses and heavy equipment.
- Recommended for all manual transmissions and axles of passenger car, MPVs SUVs and pick up trucks required API GL-5.

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## Typical Characteristics

Tests	Methods	Units	Results			
			80W-90	85W-140	90	140
Density at 15 °C	ASTM D 4052	g/cm <sup>3</sup>	0.891	0.904	0.898	0.905
Kinematic Viscosity at 40 °C	ASTM D 445	mm <sup>2</sup> /s	142.0	349.0	191.0	384.0
Kinematic Viscosity at 100 °C	ASTM D 445	mm <sup>2</sup> /s	14.6	26.3	17.2	27.3
Viscosity Index	ASTM D 2270		100	99	96	96
Flash Point (COC)	ASTM D 92	°C	220	235	225	235
Pour Point	ASTM D 5950	°C	-30	-18	-12	-10

## Performance Standards

- API GL-5
- MIL-L-2105D

## Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>

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The product can cause some skin irritation and has flash point higher than 93.4°C

Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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