

Product Data Sheet

PT Maxnitron GL-5

Premium Performance Automotive Gear Oil

API GL-5 / MT-1

Monograde: SAE 90 / 140

Multi-Grade: SAE 80W-90 / 85W-140

PT Maxnitron GL-5 is a premium-grade gear lubricant for commercial vehicles. It is formulated with high-quality base oils blended with specially selected performance additives in optimal proportions. It is designed for lubricating manual transmissions, drive axles, and final drives operating under severe service conditions where API GL-5 gear oil is required, providing excellent protection against wear and surface damage to components.

Customer Benefits

- **Extends gear service life**

Formulated with Extreme Pressure (EP) and anti-wear additives, helping to significantly extend the service life of gears and bearings.

- **Delivers maximum power and performance**

PT Maxnitron GL-5 contains special additives that provide excellent thermal stability, helping to slow oxidation during high-temperature operation, reduce sludge and deposit formation, and extend seal life. It effectively protects components operating at low speeds with high torque, while also providing excellent wear protection during high-speed operation.

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Performance Standards

- API GL-5 / MT-1

Applications

- Suitable for use in automotive final drive gear lubrication systems, such as pickup trucks and trucks
- Can be used under all operating conditions, both heavy-duty and light-duty applications
- Recommended oil change interval: 30,000 km for monograde final drive gear oils SAE 90, SAE 140
- Recommended oil change interval: 40,000 km for multigrade final drive gear oils SAE 80W-90, SAE 85W-140

* Recommended oil change interval depends on operating conditions and maintenance practices. The recommended oil change interval is intended for passenger cars. When used in heavy-duty vehicles, the oil change interval may be longer, depending on operating conditions and maintenance practices.

Typical Characteristics

Properties	SAE 90	SAE 140	SAE 80W-90	SAE 85W-140
Viscosity @ 100 °C (cSt.)	18.7	29.9	15	26
Viscosity @ 40 °C (cSt.)	216	444.6	150	365
Viscosity Index	96	96	100	95
Foaming Characteristics (Sequence I) (mL/mL)	Nil/0	Nil/0	Nil/0	Nil/0
Foaming Characteristics (Sequence II) (mL/mL)	10/0	10/0	10/0	10/0
Foaming Characteristics (Sequence III) (mL/mL)	Nil/0	Nil/0	Nil/0	Nil/0
Flash Point – COC (°C)	215	220	210	220
Pour Point (°C)	-18	-9	-33	-21

*The above values represent typical production standards at the time of manufacture. Variations may occur between production batches; however, the essential characteristics and performance of PT Maxnitron remain consistent with its quality standards.