



AISIN Gear Oil

PREMIUM QUALITY API-GL5, MULTIPURPOSE AUTOMOTIVE GEAR OIL

DESCRIPTION

Premium performance, multipurpose, thermally stable and EP automotive gear lubricant.

PERFORMANCE STANDARD

- API GL-5
- Meets or exceeds U.S. Military Specification MIL-L-2105D

CUSTOMER BENEFITS

- Provides long equipment life by resisting gear wear and scuffing.
- Maximizes equipment availability by avoiding premature failure or need for overhaul due to deposit-induced seal wear and leakage.
- Assists smooth shifting in manual transmissions by controlling glazing and coking of friction surfaces in synchronizing mechanisms.
- Provides long oil service life by resisting oxidation and oil thickening.
- Provides against corrosion of ferrous and non-ferrous components.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Aisin, the Aisin logo and related marks are trademarks of Aisin Asia Pte Ltd, used under licence.

TYPICAL CHARACTERISTICS

- Recommended for automotive hypoid gear applications requiring lubricants meeting MIL-PRF-2105E, MIL-L-2105D, MIL-L-2105C, MIL-L-2105B, API Service GL-5 or where EP, multi-purpose or hypoid type gear oils are specified.
- Recommended where loading is severe and maximum gear protection is required. "Clean gear" technology makes it particularly suitable where gear oil temperatures are high.
- Not recommended for manual transmissions and transaxles where the manufacturer specifies API GL-4(mild-EP) lubricants, or where the manufacturer advises against the use of API GL-5 (multipurpose, hypoid) lubricants.

APPLICATIONS

- Recommended for hydraulically-operated motor vehicle brake systems of both drum and disc types requiring a DOT 3 fluid, operating under moderate service conditions. Also for make-up or service refill of systems requiring DOT 3 or SAE J1703 fluid.
- This may include:
 - a. Vehicle with anti-brake (ABS) braking systems
 - b. Hydraulic clutch systems, requiring conventional fluids
 - c. Passenger cars, commercial road transport and motorcycles
- Not suitable for vehicles operating in service conditions or where a DOT 4 fluid is specified.
- Not to be used where DOT 5 fluids are recommended, or in brake systems designed for use of silicone or mineral oil-based fluids.

KEY PROPERTIES

SAE Grade	Density, kg/L @ 15°C	Kinematic Viscosity, mm ² /s		Viscosity Index	Pour Point (°C)	Flash Point (°C)
		@ 40°C	@ 100°C			
80W-90	0.8794	132.1	14.51	110	-33	208
85W-140	0.8968	313.5	24.85	101	-21	210

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Aisin, the Aisin logo and related marks are trademarks of Aisin Asia Pte Ltd, used under licence.