



AISIN Semi Synthetic Limited Slip Differential Gear Oil

PREMIUM QUALITY LSD API-GL5, LIMITED-SLIP AUTOMOTIVE GEAR OIL

DESCRIPTION

AISIN gearTECH+ Synthetic Gear Oil 80W-90 LSD, GL-5 is formulated from ultimate performance sulphur-phosphorous extreme pressure (EP) additive, thermally stable hydro-cracked base stocks and friction modifiers for limited slip performance. Special friction modifier additive used in AISIN gearTECH+ GL-5 gear oil provided excellent frictional characteristics, ensuring easy operation hence resulted in noise free operation.

MEET OR EXCEEDS THE PERFORMANCE STANDARD BELOW

- API GL-5
- Meets or exceeds U.S. Military Specification MIL-L-2105D
- Meets or exceeds ZF TE-ML-05C, 12C, 16E, 21C

CUSTOMER BENEFITS

- Reduced inventory Costs
- One gear lubricant for both conventional and limited slip differentials, Simplified inventory saves money, space, handling time and helps avoid product misapplication.
- Extended gear life

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- Extreme pressure properties protect hypoid and other types of gears from scuffing and wear.
- Long Lubricant Life
- Outstanding thermal and oxidation stability allows high temperature operation with long lubricant life.
- Quiet operation
- Special friction modifier additive provides excellent frictional characteristics, ensuring easy operation.

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

- Limited Slip hypoid differentials in rear-wheel-drive cars and light trucks, under all operating conditions.
- Manual Transmissions/transaxles where gear lubricants are recommended.
- Complete fill or top-off of all limited slip differentials.
- Differential calling for API GL-5 gear lubricants plus supplemental limited slip additive.
- All conventional differentials calling for this viscosity grade in an API GL-5 gear lubricant.
- Four-wheel drives transfer case.

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 (LSD)	0.8863	144.1	14.60	110	-36	232

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