

High-Performance Multi-Grade Gear Oil

Gear Oil SAE 80W-90 API GL-5 is a high-performance, multi-grade gear oil formulated from premium base oils and advanced sulfur-phosphorus extreme pressure (EP) additives to provide outstanding protection under severe operating conditions. It is specifically designed for hypoid gears, differentials, and final drives operating under high load, shock, and high-speed conditions, delivering excellent load-carrying capacity and wear protection. The oil offers superior thermal and oxidation stability, effective rust and corrosion protection, and good low-temperature fluidity for improved cold-start performance. Its balanced formulation ensures reliable lubrication, reduced gear noise, and extended component life in both automotive and heavy-duty applications.

PERFORMANCE, FEATURES & BENEFITS

- Excellent load-carrying capacity and EP protection
- Effective rust and corrosion protection
- Superior anti-wear performance and film strength
- Improved low-temperature flow compared to monograde oils
- Excellent oxidation and thermal stability
- Good foam control and seal compatibility
- Effective rust and corrosion protection
- Reduces gear noise and vibration

MAIN APPLICATIONS

- Heavy-duty manual transmissions
- Axles in passenger cars, trucks, and buses
- Off-highway equipment in construction, mining, and agriculture
- Suitable for high-load, high-speed, and shock-load conditions

SPECIFICATIONS & RECOMMENDATIONS PRODUCT

- API: GL-5
- SAE J306

SPECIFICATIONS

TEST PARAMETER	TEST METHOD	TYPICAL VALUE
Appearance	Visual	Clear and bright
KV @ 40°C	ASTM D445	180
KV @ 100°C	ASTM D445	16.10
Viscosity Index	ASTM D2270	≥ 90
Density @ 15°C	ASTM D4052	0.888
Flash Point	ASTM D92	≥ 230
Pour Point	ASTM D97	-27

* Note: Typical value; may vary slightly. Please contact your SBK representative for the current batch COA (Certificate Of Analysis)