



GIANT GEAR OIL

Premium Quality Multi-grade Automotive Gear Oil

DESCRIPTION

GIANT Gear Oil is an excellent multi-purpose premium quality gear lubricant blended to meet the multi-grade viscosity requirements described in SAE J306 standards. Formulated with highly refined and hydrocracked base oil, it is a shear stable lubricant that maintains its viscometric properties throughout its useful life. It imparts extreme pressure properties on automotive gears, which may be operating under the most severe conditions. Specially selected additives provide anti-weld, anti-scuff and anti-wear protections necessary in heavy-duty gear lubricants.

Even with operating conditions approaching 150°C, GIANT Gear Oil consistently out-performs other similar conventional automotive gear oils. The EP additives provide superior protection of the gear teeth against spalling. Spalling occurs when flakes of metal break away from the tip of a gear tooth after repeated stress.

GIANT Gear Oil provides excellent oxidation stability that resists oil degradation and thickening during long period of high temperature operations. It is designed for the most severe service conditions encountered in passenger cars, trucks, farm tractors, earthmoving, construction and other heavy-duty machinery. GIANT Gear Oil can be applied in the lubrication of hypoid, spur, bevel, helical, spiral-bevel and worm gears in differentials, transmissions, final drives, transfer cases and steering mechanisms.

PERFORMANCE STANDARDS

- GL-4
- GL-5 LS
- GL-4/5 LS
- ISO 12925-1 CKC
- MT-1
- DIN 51517 Part III
- AGMA 252.04
- US Steel 224
- ISO 6743-6 CKC

TYPICAL APPLICATIONS

- GIANT Gear Oil is recommended for a wide range of applications where a multi-purpose gear oil of API Service GL-5, GL-4 or a combination of both GL-4 & GL-5 oils is specified.
- Suitable for use in gearboxes, final drives and power take-offs on farm and earth-moving machinery.
- Used for lubricating the hypoid, spur, bevel, helical, spiral-bevel and worm gears in differentials, transmissions, final drives, transfer cases and steering mechanisms.

BENEFITS

- Outstanding oxidation and thermal stability
- Extends equipment life and reduces maintenance costs
- Superior load carrying capability in heavy-duty applications
- Smoother power transmission
- Wider operating temperatures
- Maintains clean gear surfaces thus minimizing wear
- Protects against spalling

TYPICAL PROPERTIES

SAE Grade	80W90	85W140
Density, kg/Litre @ 15°C	0.889	0.896
Kinematic Viscosity, mm ² /s @ 40°C	155.1	430.1
Kinematic Viscosity, mm ² /s @ 100°C	15.8	29.2
Viscosity Index	105	96
Brookfield Viscosity, cP, @ -12°C		55,000
Brookfield Viscosity, cP, @ -26°C	136,000	
Pour Point, °C	-27	-15
Flash Point COC, °C	232	244
Copper Corrosion	1b	1b