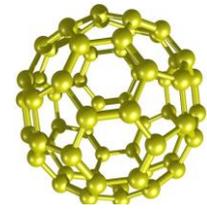




LSD Gear Oil API GL-5



Fortified With
Bardahl Fullerenes
Technology

BARDAHL HIGH PERFORMANCE LSD GEAR OIL – SAE 80W-90 (API GL-5)

PRODUCT DESCRIPTION

Bardahl High Performance LSD Gear Oil SAE 80W-90 GL-5 is a high performance, versatile multi-grade gear / transmission lubricant designed for extreme pressure conditions for use in limited slip gears. It possesses high quality base oil, excellent EP properties, outstanding anti-corrosion protection, superior oxidation stability and effective foaming characteristics and permits use over a wide temperature range. Specially selected friction modifier eliminates squawking in modern day limited slip axles and promotes smooth clutch engagement without chatter.

Bardahl Fullerenes Technology

Normal gear oils, anti-wear and anti-friction additives form a single layer of protection that can be broken under high load and high stress applications. Bardahl Fullerenes Technology offers added layer of protection to shield gear components against friction and wear. It uses Bardahl Fullerene molecules to create an extra protective layer of hard particles on gear surfaces and prevent direct surface-to-surface contact. Being spherical in shape, Bardahl Fullerene molecules act as nano ball bearings, allowing surfaces to glide over one another with minimal friction and wear.

Advantages

- Compatible with transmission parts made of “yellow metals” such as copper, bronze alloys.
- Delivers full protection under hard driving conditions.
- Resist varnish formations on synchronizer components assuring long trouble-free operations.
- Excellent shear stability.
- Excellent oxidation stability characteristics.

Performance Standards

API GL-5
MIL-L-2105D
Limited Slip applications

Applications

- Suitable for applications requiring MAN 342 M2 and ZF TE-ML 12E (bus axle) performance requirements.
- Suitable for moderate to heavy-duty services on manual transmissions and hypoid gears of cars, trucks, buses and other transmission steering mechanisms where a API GL-5 oil is specified.



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Typical Properties

SAE GRADE	80W-90
Density, kg/litre@15°C	0.8910
Kinematic Viscosity, mm ² /s@40°C	142.0
Kinematic Viscosity, mm ² /s@100°C	14.6
Viscosity Index	102
Pour Point, °C	-30
Flash Point COC, °C	230