



LSD Gear Oil API GL-5



Fortified With
C60 Fullerenes
Technology

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

PRODUCT DESCRIPTION

Bardahl LSD Gear Oil GL-5 SAE 80W-90 is a high performance gear/transmission lubricant designed for extreme pressure conditions. Specially selected friction modifier eliminates squawking in modern day limited slip axles and provides superior protection to gears. It promotes smooth clutch engagement without chatter.

C60 Fullerenes Technology

Bardahl C60 Fullerene technology uses fullerene molecules to reduce friction and wear in engines. Fullerene molecules create a protective layer of hard particles on engine surfaces and prevent direct surface-to-surface contact. Being spherical in shape, C60 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

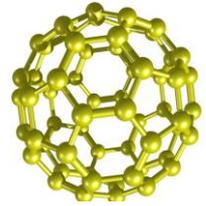
API GL-5
MIL-L-2105D
Limited Slip applications

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