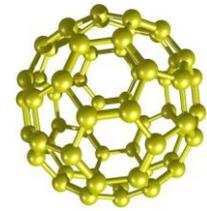




High Performance Heavy Duty Gear Oil API GL-5



Fortified With
Bardahl Fullerenes
Technology

BARDAHL High Performance Heavy Duty Gear Oils (API GL-5) – SAE 80W-90

PRODUCT DESCRIPTION

Bardahl High Performance Heavy Duty Gear Oil SAE 80W-90 GL-5 is formulated with naturally high VI (viscosity index) paraffinic base stocks and sulphur-phosphorus additive package. This gear oil imparts excellent oxidation stability characteristics and effective anti-weld, anti-wear and anti-scuff properties. In addition, Bardahl Fullerenes Technology provides enhanced protection to the gear systems. It is compatible with seals and gaskets. This product provides excellent low temperature in the pinion-drive bearing channel.

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

- High performance multipurpose gear lubricant.
- Protects gears and bearings from wear at extreme pressures, and outstanding anti-wear protection.
- Formulated to be compatible with “yellow metals” such as bronze found in synchronizers and other transmission components.
- High temperature stability.
- Inhibits foaming and aeration.

Performance Standards

API GL-5



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Applications

- Suitable for the majority of automotive hypoid and spiral-bevel gear applications under high-speed / low torque or low speed / high torque in moderately severe load conditions.
- An excellent multipurpose extreme pressure lubricant for differentials and manual transmissions of passenger cars, trucks, vans, buses and off-road equipment that operates under mild to severe service conditions.
- Designed for non-transmission gear boxes and steering boxes.
- Designed for applications requiring an API GL-5 specification.

Typical Properties

SAE GRADE	GL-5 SAE 80W-90
Appearance	Clear
Density, kg/litre@15°C	0.890
Kinematic Viscosity, mm ² /s@40°C	148.0
Kinematic Viscosity, mm ² /s@100°C	15.1
Viscosity Index	103
Pour Point, °C	-36
Flash Point COC, °C	218