



## Gulf Gear HD

### High Performance Heavy Duty Axle Oil

#### Product Description

**Gulf Gear HD** is a high performance gear lubricant for use in heavy duty manual transmissions and axle drives of commercial vehicles and passenger cars. It is blended from high quality base oils and performance additives to provide excellent protection to gear components. Its excellent extreme pressure properties impart high load-carrying capability to provide reliable protection to gear components in applications where extreme pressure and shock loading are encountered. It provides effective protection against oxidation degradation, rust & corrosion and long service life. The product is approved against DaimlerChrysler MB 235.0 and ZF against various specifications.

#### Features & Benefits

- Excellent extreme pressure and antiwear properties shields against wear under various operating conditions leading to enhanced equipment durability and lower maintenance costs
- High oxidation stability minimises sludge and deposit formation facilitating longer component life and oil service intervals.
- Effective rust and corrosion protection reduces wear and extends component life
- Good low temperature fluidity reduces wear and facilitates easy start-up under low ambient temperatures
- Good anti-foam properties ensure film strength for effective lubrication
- Excellent seal compatibility helps minimise leakages and reduce chances of contamination

#### Applications

- Heavy duty non-synchronised manual transmissions, axles and final drives where API GL-5 quality oils are specified
- On-road passenger cars, light and heavy duty trucks, buses and vans
- Off-highway equipment in construction, mining and agriculture
- Other heavy-duty applications involving hypoid and other gears operating under severe conditions like high speed/shock load, high speed/low torque and/or low speed/high torque
- Not suitable for automatic transmissions

#### Specifications, Approvals & Typical Properties

Meets the following Specifications		85W-90
API GL-5, US MIL-L-2105D		X
Has the following Approvals		
MB 235.0		X
MAN 342 Typ M-1		X
ZF TE-ML 16C, 17B, 19B, 21A		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity at 100 °C, cSt	D 445	17.10
Viscosity Index	D 2270	96
Flash Point, °C	D 92	216
Pour Point, °C	D 97	-30
Density @ 15°C, Kg/l	D 1298	0.901

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

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