



# Gulf Gear LD

## Supreme Performance Heavy Duty Axle Oil

### Product Description

**Gulf Gear LD** is a supreme performance heavy duty axle oil specifically designed to meet the requirements of highly loaded axles used in latest generation commercial vehicles. It is formulated from high quality base stocks and latest additive technology for commercial vehicle rear axle applications to provide extended oil drain periods, enhanced load carrying, improved fuel economy and thermal stability combined with seals performance. The product meets Daimler's latest MB 235.20 axle oil specification and the requirements of major OEMs for transmission oils.

### Features & Benefits

- Excellent load carrying capabilities and thermo-oxidative stability facilitate longer component life and extended oil drain interval.
- Stable viscometrics provide optimal film thickness, component protection, low temperature oil flow and maintain efficiency over extended period.
- Effective rust and corrosion protection reduces wear and extends component life
- Good anti-foam properties ensure film strength for effective lubrication
- Improved dynamic seal performance prevents leakages and deposits even in extended duration.

### Applications

- Exclusively developed for Mercedes-Benz HL-6 axles and also for applications requiring axle oil meeting MB 235.0 and MB 235.6 specification for enhanced performance.
- Heavy duty on-highway vehicles and off-highway equipment transmissions, axles and final drives where API GL-5, API MT-1 or SAE J 2360 quality oils are specified
- Other heavy-duty applications involving hypoid and other gears operating under severe conditions like high speed/shock load and/or low speed/high torque
- Not suitable for automatic transmissions.

### Specifications, Approvals & Typical Properties

Meets the following Specifications		80W-90
API GL-5, API MT-1, MIL-PRF-2105E, SAE J 2360		X
Scania STO 1:0, MACK GO-J		X
ZF TE-ML 07A, 16C, 16D		X
Has the following Approvals		
ZF TE-ML 05A, 12L, 12M, 16B, 17B, 19B, 21A (ZF Approval Number: ZF001950)		X
MAN 342 Typ M3, MAN 341 Typ GA1, MB 235.20		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity at 100 °C, cSt	D 445	14.40
Viscosity Index	D 2270	102
Flash Point, °C	D 92	210
Pour Point, °C	D 97	-30
Density @ 15°C, kg/l	D 1298	0.8944

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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