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# Gulf Gear TDL 80W-90

*Total Driveline Lubricant*

## Product Description:

**Gulf Gear TDL 80W-90** is a thermally stable total driveline gear lubricant designed to meet the severe requirements of drive trains of light and heavy duty commercial vehicles and is blended from premium quality base stocks and advanced performance additives to provide excellent protection to drive train components, improved gear shifting and enhanced synchroniser protection. **Gulf Gear TDL 80W-90** provides reliable protection against thermal and oxidation degradation, rust & corrosion and good low temperature fluidity.

**Gulf Gear TDL 80W-90** has a unique additive technology allowing the use of one single lubricant in rear axles, synchronized and non-synchronized manual transmissions and therefore helps in rationalization of products. Exceptional thermo-oxidative stability and load bearing characteristics helps in extending the life of the driveline components and the oil. Effective rust and corrosion protection, especially to copper and its alloys reduces wear, extends synchronizer life and improves shifting performance. Good low temperature fluidity reduces wear and provides easy start-up. Good anti-foam properties ensure film strength for effective lubrication and superior seal compatibility minimises leakage and reduces chance of contamination.

**Gulf Gear TDL 80W-90** is suited for applications requiring one single lubricant for rear axles, synchronized and non-synchronized manual transmissions, drive trains requiring oils meeting MAN M 342 Type M2/MAN 341 Type E2/MAN 341 Type Z2 or Scania STO 1:0 and on-road and off-highway transmission applications.

**Not recommended for automatic transmissions and limited-slip differentials !**

### Meets the specifications of:

API GL-4/GL-5/MT-1, SAE J2360, DAF, MB 235.0, Eaton, Mack GO-J, MIL-PRF-2105E  
Renault, Volvo 97310, Iveco, ZF TE-ML 07A/08/16C/D

### Approved by:

MAN M 342 Type M2/MAN 341 Type E2/MAN 341 Type Z2 , Scania STO 1:0 (Gearbox)  
ZF TE-ML 02B/05A/12E/16B/17B/19B/21A

<u>Properties:</u>	<u>Test Methods:</u>	<u>Typical Values:</u>
SAE Viscosity Grade	SAE J306	80W-90
Density @ 15°C	ASTM D4052	902 kg/m <sup>3</sup>
Kinematic Viscosity @ 40°C	ASTM D445	148.4 mm <sup>2</sup> /s (cSt)
Kinematic Viscosity @ 100°C	ASTM D445	15.2 mm <sup>2</sup> /s (cSt)
Brookfield Viscosity @ -26°C	ASTM D2983	142000 mPa.s (cP)
Viscosity Index	ASTM D2270	>95
Flash Point	ASTM D92	>190°C
Pour Point	ASTM D97	<-27°C

Product Code: 2365

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Date Superseded: 22/06/2012

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