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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. **Gulf Gear TDL 80W-90** 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 M3343 Type M or Scania STO 1:0, on-road and off-highway transmission applications.

**!!! Gulf Gear TDL 80W-90 is not recommended for automatic transmissions and limited-slip differentials.**

<u>Property:</u>	<u>Test Method:</u>	<u>Typical Values:</u>	<u>Specifications:</u>
SAE Viscosity Grade	(SAE J300)	80W-90	<b>Meets:</b> 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 <b>Approved by:</b> MAN M 3343 Type M Scania STO 1:0 (Gearbox) ZF TE-ML 02B/05A/12E/16B/17B/19B/21A
Density @ 15°C	(ASTM D4052)	892 kg/m <sup>3</sup>	
Viscosity @ 40°C	(ASTM D7042)	148.4 mm <sup>2</sup> /s	
Viscosity @ 100°C	(ASTM D7042)	15.2 mm <sup>2</sup> /s	
Brookfield Viscosity @ -26°C	(ASTM D2983)	142000 cP	
Viscosity Index	(ASTM D2270)	101	
Flash Point (COC)	(ASTM D92)	206°C	
Pour Point	(ASTM D97)	-30°C	

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