Product information

PI 43/10/21/2026

Hypoid Gear Oil (GL4/5) TDL SAE 80W-90



Description

Mineral-based hypoid gear oil with extremely high performance reserves and excellent aging stability. Ensures assemblies function perfectly, even under extreme operating conditions and when exposed to large temperature fluctuations. Minimizes wear and has outstanding viscosity-temperature properties. Allows long oil change intervals.

Properties

- reduces running noise
- high pressure-absorption capability
- does not attack common sealing materials
- excellent resistance to aging
- guarantees smooth gearshifting
- universal application
- rationalizes storage

Specifications / Approvals

API GL4 • API GL5 • API MT-1 • MAN 341 Typ E2 • MAN 341 Typ Z2 • MAN 342 Typ M2 • MIL-L 2105 D • MIL-PRF 2105 E • ZF TE-ML 02B • ZF TE-ML 05A • ZF TE-ML 12L • ZF TE-ML 12M • ZF TE-ML 16B • ZF TE-ML 17H • ZF TE-ML 19B • ZF TE-ML 21A • ZF approval number ZF001323

LIQUI MOLY recommends this product for vehicles or assemblies for which the following specifications or original spare part numbers are required:

DAF • Eaton • MB 235.0 • Scania STO 1:0 • Volvo 97310 • ZF TE-ML 17B

Technical data

SAE class (gear oils)	80W-90 SAE J306
Density at 15 °C	0,9 g/cm³ DIN 51757
Viscosity at 40 °C	142 mm²/s ASTM D 7042-04
Viscosity at 100 °C	14,8 mm²/s ASTM D 7042-04
Viscosity at -26 °C (Brookfield)	<= 150000 mPas ASTM D 2983-09
Viscosity index	104 DIN ISO 2909
Pour point	-27 °C DIN ISO 3016
Flash point	200 °C DIN ISO 2592
Color number (ASTM)	L3,5 DIN ISO 2049

Areas of application

Specially developed for use in commercial vehicles. Universally applicable TDL oil (total drive line) for manual, auxiliary and differential transmissions with limited slip differential. Note the vehicle or unit manufacturer's instructions.

Application

During selection, keep to the viscosity class stipulated by the transmission manufacturer. Mixable with all branded gear oils. Full effectiveness only when used unmixed.

Available pack sizes

1 l Can plastic	20645 DE-EN-ES-IT-PT
20 l Canister plastic	4218 DE-EN-ES-IT-PT
60 l Black plate barrel	4705 DE-EN-ES-FR-IT-PT
205 l Black plate barrel	4721 DE-EN-ES-FR-IT-PT

Our information is based on thorough research and may be considered reliable, although not legally binding.

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