

# ALPINE® Gear Oil TDL 80W-90

## T.D.L - Transmission oil

### Properties

**ALPINE Gear Oil TDL 80W-90** is a HC-synthetic high-performance gear oil for universal use. Characterised by the following properties:

- Excellent thermal stability
- High viscosity index
- Very high shear stability
- Excellent corrosion protection
- Extension of oil change intervals
- Good driving comfort
- Increased wear protection

### Application notes

**ALPINE Gear Oil TDL 80W-90** is suitable for universal use in the complete Total Drive Line, consisting of synchronized and nonsynchronized manual transmissions as well as axle and transfer cases in motor vehicles and commercial vehicles. In particular also for transmissions equipped with filter systems.

**Not for manual transmissions with interarders!**

### Service description

#### Specifications:

- API GL-5
- API GL-4
- SAE J2360 (Mil-PRF-2105E)

#### Recommendations\*:

- MB 235.0 / MB 235.6
- MAN 3343 Typ M,
- MAN 342 M1/M2
- MIL-L-2105D
- Scania STO 1:0
- Volvo 1273.21 / 1273.10
- ZF TE-ML 01, 05A, 07A, 08, 12A/E, 16B/C/D, 17B, 19B, 21A

TYPICAL PARAMETERS	METHODS	UNITS	ALPINE Gear Oil TDL 80W-90
Density at 15°C	DIN 51 757	kg/m <sup>3</sup>	891
Viscosity 40°C	DIN 51 562	mm <sup>2</sup> /s	167.5
Viscosity 100°C	DIN 51 562	mm <sup>2</sup> /s	16.9
Viscosity index (VI)	DIN ISO 2909	-	107
Pour point	ASTM D 7346	°C	-30
Flash point COC	DIN ISO 2592	°C	204

\* meets the requirements of the OEM manufacturer.  
The stated values may vary within the usual commercial range.