

# ALPINE® Gear Oil TS 75W- 90 GL-4

## Semi-synthetic multi-grade gear oil

### Properties

**Alpine Gear Oil TS 75W-90 GL-4** is a semi-synthetic low viscosity gear oil for manual transmissions and normally loaded axle drives.

Compared to conventional transmission oils

**Alpine Gear Oil TS 75W-90 GL-4** offers the following advantages:

- Excellent cold properties
- Excellent thermal stability
- Very high viscosity index
- Very high shear stability
- Avoidance of cold scratches and effective noise damping
- Excellent corrosion protection
- Reduction of fuel consumption
- Extension of oil change intervals
- Less abrasion and consequently extended gear life

### Application notes

**Alpine Gear Oil TS 75W-90 GL-4** is used for the lubrication of normal loaded axle transmissions with low axle offset as well as in synchronized and non-synchronized manual transmissions and in steering and transfer cases of motor vehicles and work machinery.

### Service description

#### Specifications:

- API GL-4

#### Recommendation\*:

- MAN 341 E-1, Z-2
- MB 235.1
- ZF TE-ML 02B, 16A, 17A, 19C

TYPICAL PARAMETERS	METHODS	UNITS	Alpine Gear Oil TS 75W-90 GL-4
SAE class	DIN 51 512	-	75W-90
Density at 15°C	DIN 51 757	kg/m <sup>3</sup>	886
Viscosity 40°C	DIN 51 562	mm <sup>2</sup> /s	115
Viscosity 100°C	DIN 51 562	mm <sup>2</sup> /s	14.9
Viscosity index (VI)	DIN ISO 2909	-	134
Flash point COC	DIN ISO 2592	°C	216
Pour point	DIN ISO 3016	°C	-42

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