

ALPINE® Gear Oil 80W-90 GL-4

Multipurpose gear oil

Properties

ALPINE Gear Oil 80W-90 GL-4 is produced from selected base oils with additives tailored thereto. The EP additives contained in the gear oil form a load-bearing lubricant layer during tooth engagement between the tooth flanks. It reduces abrasion wear on the tooth flanks during the motion sequence under high mechanical stress. The gear oil is stable to ageing even under high thermal load. The good cold flow properties are due to the high refinement degree of the base oil and the flow improver it contains. The gear oil contains suitable active substances to suppress foaming and the wetted machine parts are protected against corrosive effects. **ALPINE Gear Oil 80W-90 GL-4** is compatible with the usual sealing materials.

Application notes

ALPINE Gear Oil 80W-90 GL-4 is used in manual and steering gears, axle drives (not in hypoid gears) on motor and commercial vehicles etc.

Service description

Specifications:

- API GL-4
- MIL-L-2105

Recommendations*:

- MB 235.1
- MAN 341 Typ Z2
- MAN 341 Typ E1
- Ford SQM-2C-9008 A
- ZF TE-ML 02B, 17A

TYPICAL PARAMETERS	METHODS	UNITS	ALPINE Gear Oil 80W-90 GL-4
Density at 15°C	DIN 51 757	kg/m³	897
Viscosity 40°C	DIN 51 562	mm²/s	114
Viscosity 100°C	DIN 51 562	mm²/s	11.9
Viscosity index (VI)	DIN ISO 2909	-	92
Viscosity at -26°C	DIN 51 398	mPa.s	129,000
Pour point	DIN ISO 3016	°C	-30
Flash point COC	DIN ISO 2592	°C	220
FZG-Test A/8,3/90	DIN 14 635	SKS	>12

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