

ALPINE® Monograde SAE 50

High-performance monograde engine oil

Properties

- High-performance monograde engine oil
- High viscosity index
- High dirt holding capacity
- Stable lubricant film
- Excellent cleaning power
- High thermal stability
- Excellent wear and corrosion protection

Application notes

ALPINE Monograde SAE 50 is suitable for use in diesel and gasoline engines with and without turbocharging, such as

- Commercial vehicle diesel engines
- Stationary diesel engines
- Construction machinery and agricultural aggregates

In addition, it is used in hydraulic systems, hydraulic clutches, transmissions, torque converters and retarders, if an appropriate engine oil is prescribed by the manufacturer.

Service description

Specifications:

- ACEA E2
- API SJ/CF-4

Recommendations*:

- MB 227.0
- MAN M 270
- Allison C-4
- Caterpillar TO-2
- MIL-L-2104 E
- MIL-L-46152 E
- MTU oil type 1

TYPICAL PARAMETERS	METHODS	UNITS	ALPINE Monograde SAE 50
Density at 15°C	DIN 51 757	kg/m ³	899
Viscosity 40°C	DIN 51 562	mm ² /s	239
Viscosity 100°C	DIN 51 562	mm ² /s	19.5
Viscosity index (VI)	DIN ISO 2909	-	93
Pour point	DIN ISO 3016	°C	-21
Flash point COC	DIN ISO 2592	°C	290
Base number	DIN ISO 3771	mg KOH/g	11.8
Sulphated ash	DIN 51 575	g/100 g	1.6

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