

ALPINE® Turbo 15W-40 LA

Universal high-performance engine oil

Properties

ALPINE Turbo 15W-40 LA is a year-round high-performance engine oil for low-emission engines. Exhaust gas turbocharging and charge air cooling place considerably higher mechanical and thermal demands on engine oils. These more stringent operating conditions are safely mastered even with extended oil retention times. A reliable cold start at low external temperatures and full lubrication at high operating temperatures are ensured.

Application notes

ALPINE Turbo 15W-40 LA is especially used in highly stressed Euro IV, Euro V and Euro VI commercial vehicle engines with exhaust gas aftertreatment. Furthermore, it can be used in commercial vehicle and car diesel engines with and without turbocharging as well as in petrol engines (mixed fleet). It is also suitable for engines with and without DPF. Engine oils of this performance category are recommended with extended oil change intervals. **Observe manufacturer's instructions.**

Service description

Specifications:

- ACEA E6/E7/E9
- API CK-4/SN
- Global DHD-1
- JASO DH-2

Specifications:

- Caterpillar ECF-3 / ECF-2 / ECF-1
- Cummins CES 20081
- Deutz DQC III-10 LA
- DDC 93K218
- Ford WSS-M2C171-F1 / WSS-M2C171-E
- MAN 3575 / 3275
- MACK EO-O Premium Plus
- MB 228.51 / 228.31
- MTU Type 2.1
- Renault VI RLD-3
- Volvo VDS-4

TYPICAL PARAMETERS	METHODS	UNITS	ALPINE Turbo 15W-40 LA
Density at 15°C	DIN 51 757	kg/m ³	860
Viscosity at 40°C	DIN 51 562	mm ² /s	98.9
Viscosity at 100°C	DIN 51 562	mm ² /s	14.5
Viscosity index (VI)	DIN ISO 2909	-	151
Viscosity at -20°C	ASTM D 5293	mPa.s	3750
Pour point	ASTM D 7346	°C	-30
Flash point COC	DIN ISO 2592	°C	248
TBN	ASTM D 2896	mg KOH/g	9.7

* meets the requirements of the OEM manufacturer.

The stated values may vary within the usual commercial range.