

# ALPINE® Turbo Super 10W-40

## Semi-synthetic high-performance universal low viscosity engine oil

### Properties

**ALPINE Turbo Super 10W-40** is a partly synthetic base oil. A modern additive system tailored to the high practical requirements ensures that the properties described below are maintained:

- excellent high-pressure and wear protection properties
- can be used all year round and ensures trouble-free cold starts
- reduces cold start wear due to short oiling times
- offers high temperature safety
- lowers fuel and oil consumption, thereby reducing environmental pollution
- very good dirt carrying capacity and prevents sludge formation
- extends the life of the engine
- enables long oil change intervals

### Application notes

**ALPINE Turbo Super 10W-40** is the ideal oil for the mixed fleet. A uniform engine oil eliminates mix-ups and renders stockpiling more economical.

Thanks to its very high diesel performance, **ALPINE Turbo Super 10W-40** can be used in all commercial and construction vehicles, including those with turbocharging, as well as in petrol engines and diesel car engines with and without turbocharging.

### Service description

#### Specifications:

- ACEA E7, A3/B4
- API CI-4 / SL

#### Approval:

- MB-Approval 228.3
- Volvo VDS-3
- Mack EO-N
- Renault VI RLD-2

#### Recommendation\*:

- Global DHD-1 • MTU Type 2 • Cummins CES 20077 / 20078
- DEUTZ DQC III-05 • Renault Truck RLD/RLD-2
- Mack EO-M Plus • Caterpillar ECF-1a, ECF-2 • DAF
- JASO DH-1 • Voith A • Allison C4 • MAN 3275-1

TYPICAL PARAMETERS	METHODS	UNITS	ALPINE Turbo Super 10W-40
Density at 15°C	DIN 51 757	kg/m <sup>3</sup>	860
Viscosity 40°C	DIN 51 562	mm <sup>2</sup> /s	92.6
Viscosity 100°C	DIN 51 562	mm <sup>2</sup> /s	14.7
Viscosity index (VI)	DIN ISO 2909	-	166
Viscosity -25°C	DIN 51 377	mPa.s	5270
Pour point	DIN ISO 3016	°C	-42
Flash point COC	DIN ISO 2592	°C	228
TBN	DIN ISO 3771	mg KOH/g	10.9

August 2020

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