

# ALPINE® TS 10W-30

## HC-synthetic high-performance low viscosity engine oil for passenger cars

### Properties

**ALPINE TS 10W-30** is a semi-synthetic high performance low viscosity engine oil of viscosity class SAE 10W- 30 the base oil composition of which combines the advantages of base oils of modern refinery technology with those of synthetic components. Base oil composition and shear-stable VI improvers ensure that the specified viscosity class is maintained over the entire oil life. The ageing process of this engine oil is well controlled at the maximum permissible oil residence times. Antioxidants and cleaning additives prevent deposits, pistons and valves remain clean and the formation of cold sludge is prevented. Significant fuel savings are achieved and consequently less environmental pollution thanks to lower friction losses in the engine, lower evaporation losses prevent valve deposits, sludge and varnish build-up and ensure clean pistons and piston ring grooves.

### Application notes

**ALPINE TS 10W-30** is recommended for passenger car petrol and diesel engines, as well as for turbo and catalyst versions.

### Service description

#### Specifications:

- ACEA A3/B4
- API SL/CF

#### Recommendations\*:

- MB 229.1
- VW 505.00
- Toyota
- Jeep

TYPICAL PARAMETERS	METHODS	UNITS	ALPINE TS 10W-30
Density at 15°C	DIN 51 757	kg/m <sup>3</sup>	860
Viscosity at 40°C	DIN 51 562	mm <sup>2</sup> /s	67.4
Viscosity at 100°C	DIN 51 562	mm <sup>2</sup> /s	10.7
Viscosity Index (VI)	DIN ISO 2909	-	151
Viscosity at -25°C	DIN 51 377	mPa.s	4680
Pour point	DIN ISO 3016	°C	-42
Flash point COC	DIN ISO 2592	°C	230
TBN	DIN ISO 3771	mg KOH/g	10.5

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