



# ENGINE OIL TLE

## 10W-40

### Product Description:

**ENGINE OIL TLE 10W-40** is a fuel saving MID SAPS super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4, Euro-5 and Euro-6 engines equipped with a Diesel Particle Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

**ENGINE OIL TLE 10W-40** is formulated on high refined synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals up to 150.000 km.
- Suitable for engines equipped with a Diesel Particulate Filter (DPF).

**ENGINE OIL TLE 10W-40** exceeds the following performance criteria.:

Approved:	Volvo VDS 4.5	Mack EOS-4.5	Renault VI RLD-3
Exceeds:	API CK-4 MTU Type 3.1 JASO DH-2 DAF DTFR 15C110 (MB 228.51)	ACEA E7/E8/E11 Cummins CES 20086 DDC 93K222 IVECO DTFR 15C100 (MB 228.31)	MAN M3775 Deutz DQC IV-18 LA CAT ECF-3

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	10W-40
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	859.9
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	91
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	14.6
Viscosity Index		ASTM D2270	155
Viscosity CCS @ -25°C	cP	ASTM D5293	5430
Total Base Number	mgKOH/g	ASTM D2896	10.0
Flash Point COC	°C	ASTM D92	224
Pour Point	°C	ASTM D7346	-33
Sulphated Ash	%Wt	ASTM D874	0.9

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