



ENGINE OIL TLE

10W-30

Product Description:

ENGINE OIL TLE 10W-30 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-30 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-30 exceeds the following performance criteria.:

Approved:	Volvo VDS-4.5 DTFR 15C100 (MB 228.31)	Mack EOS-4.5	Renault VI RLD-3
Exceeds:	API CK-4 DDC 93K222 Cummins CES 20086 DAF PSQL 2.1 E LD	ACEA E7/E8/E11 CAT ECF-3 MTU Type 3.1 DTFR 15C110 (MB 228.51)	MAN M3775 Deutz DQC III-18-LA DAF PSQL 2.1 E

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J306	10W-30
Density@15°C	kg/m ³	ASTM D4052	862.6
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	82.6
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	12.2
Viscosity Index		ASTM D2270	146
Viscosity CCS @ -25°C	cP	ASTM D5293	5650
Total Base Number	mgKOH/g	ASTM D2896	10.1
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-33
Sulphated Ash	%Wt	ASTM D874	0.9

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