



TEKMA MEGA X LA 10W-30

Lubricant for Turbo Diesel engines with DPF

Technosynthese® – ACEA E6 - Low SAPS

TYPE OF USE

Lubricant Technosynthese® “Low Ash” (LA) specially designed for the last generation of trucks, buses, construction machinery, farm machinery, stationary engines, and boat engines running with low sulfur fuels (≤ 50 ppm).

Low emissions turbo Diesel direct injection engines, Euro II, Euro III, Euro IV, Euro V or Euro VI emission regulation compliant, fitted with EGR System (Exhaust Gas Re-circulation) and/or SCR (Selected Catalyst Reduction) system and with or without DPF (Diesel Particulate Filter), working in highly severe conditions of load and service, requiring an ACEA E6 engine oil, "Low SAPS" with reduced content of Sulfated Ash ($\leq 1.0\%$), Phosphorus ($\leq 0.08\%$) and Sulfur ($\leq 0.3\%$).

Can also be used as single lubricant in case of fleet composed of new & old generation engines.

PERFORMANCE

STANDARDS **ACEA E6** / E7 (E7 replaces E5 and E3) / E9
API CJ-4

APPROVALS DEUTZ DQC IV LA
MACK EO-O PP
MAN 3477
MB-Approval 228.51
MTU Type 3.1
RENAULT RLD-3
VOLVO VDS-4

PERFORMANCES CAT ECF-3
CUMMINS CES 20081
DAF Extended Drain
IVECO

Engines compliant with Euro IV, Euro V or Euro VI emission regulation are fitted with sensitive exhaust gas after treatment systems:

- Sulfur and Phosphorus inhibit catalytic converters operation and can damage catalytic components: inefficient exhaust gas treatment.
- Sulfated Ash clogs diesel particulate filters: shorter DPF lifetime, engine power loss and excessive fuel consumption.

ACEA E6 standard is dedicated for lubricants intended for use in truck engines fitted with DPF. Reduced SAPS content (Low Ash) enhances DPF lifetime and avoid DPF clogging.

API CJ-4 performance ensures protection and longevity of engines fitted with EGR systems:

- Dispersant and anti-oxidation properties: protection against soot builds up and oil filter clogging.
- Superior Anti-Wear level: bore polishing protection.
- Superior detergent level: piston cleanliness and piston groove deposits control.
- Viscosity grade at cold temperature minimizes wear at cold temperature, easy start up.

Anti-corrosion, Anti-rust, Anti-foam.

RECOMMENDATIONS

Drain interval: refer to manufacturers' recommendations and tune to your own use.
Can be mixed with synthetic or mineral oils.

PROPERTIES

Viscosity grade	SAE J 300	10W-30
Density at 20°C (68°F)	ASTM D1298	0.862
Viscosity at 40°C (104°F)	ASTM D445	79.5 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	11.9 mm ² /s
Viscosity Index	ASTM D2270	146
Flash point	ASTM D92	224°C / 435°F
Pour point	ASTM D97	-33°C / -27°F
TBN	ASTM D2896	10.2 mg KOH/g