



EKO FORZA ULTRA LE 15W-40

Lubricant for commercial vehicle engines

Description

EKO FORZA ULTRA LE 15W-40 is a semi-synthetic engine lubricant specially developed for high-speed low emission heavy duty diesel engines operating on or off-road, for which ACEA E11, ACEA E9 or API CK-4 lubricant is recommended.

It is suitable for modern but also for older vehicles and it can be used in EURO I to EURO VI on-road engines and in EU Stage V and earlier off-road engines.

Most engine manufacturers recommend SAE 15W-40 lubricants in older engines. Using EKO FORZA ULTRA LE 15W-40, owners of older vehicles and mixed fleets keep using the proper viscosity grade in the older vehicles, while gaining all the benefits of the up-to-date specifications of the lubricant.

It meets API SP and the earlier API SN Plus, API SN, API SL and API SJ specifications, so it is also suitable for gasoline engines and mixed fleets.

Specifications

ACEA E11, E9, E7, API CK-4/SP, CUMMINS CES 20086/CES 20100, MAN M 3775, MTU Oil Category 2.1, CATERPILLAR ECF-3, DDC DFS 93K222, DEUTZ DQC III-18 LA, FORD WSS-M2C171-F1, ALLISON TES 439, JASO DH-2, CHINA D1.

Approvals

DTFR 15C100 (MB 228.31), VOLVO VDS-4.5, VOLVO VDS-4, MACK EOS-4.5, RENAULT Trucks RLD-3.

Applications

- It is suitable for modern high-speed diesel engines where high temperatures and high pressures develop and high thermal stability lubricants are required but also for older engines, where the use of the lubricant contributes to increased engine cleanliness and protection and longer oil-drain intervals.
- It is compatible with engines with or without diesel particulate filters (DPF), with EGR engines and with engines fitted with SCR systems.
- It is suitable for mixed fleets of commercial and passenger vehicles of various technologies and ages.

Advantages

- It offers excellent deposit control, minimizing wear and maintaining the smooth operation of the engine.
- It provides lower exhaust emission and lower fuel and lubricant consumption.
- It has a high TBN value and keeps the TBN value high throughout the lubricant's operating period, effectively neutralizing harmful acids and protecting the engine from corrosion and wear.
- The excellent protection against wear and corrosion and the high oxidative and thermal stability of the lubricant contribute to the significant extension of oil-drain intervals.

Typical Characteristics

Properties	Methods	Units	EKO FORZA ULTRA LE 15W-40
SAE Viscosity Grade	-	-	15W-40
Density, 15°C	ASTM D4052	g/ml	0.8697
Kinematic Viscosity, 100°C	ASTM D445	cSt	13.8
Kinematic Viscosity, 40°C	ASTM D445	cSt	101.7
Viscosity Index (VI)	ASTM D2270	-	137
CCS Viscosity, -20°C	ASTM D5293	cP	5190
Base Number, TBN	ASTM D2896	mg KOH/g	10.0
Sulfated Ash	ASTM D874	% w/w	0.9
Pour Point	ASTM D5950	°C	-36
Flash Point, COC	ASTM D92	°C	226

Health and safety

Protect the environment while disposing of used product. Used lubricants should be collected at specific points to ensure they do not pollute the environment. Do not mix with solvents, brake fluids, antifreeze fluids and water, to allow for proper handling.

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