



PRODUCT DATA SHEET



EKO FORZA ULTRA LE 15W-40 Lubricant for commercial vehicle engines

DESCRIPTION

EKO FORZA ULTRA LE 15W-40 is a synthetic technology, low SAPS lubricant, developed for modern high-speed diesel engines where manufacturer recommends ACEA E9 or API CK-4 lubricants and corresponding OEM specifications. EKO FORZA ULTRA LE 15W-40 is designed for low emissions (EURO 5 and EURO 6) diesel engines, but it is also fully compatible with older technology engines.

EKO FORZA ULTRA LE 15W-40 is also suitable for natural gas commercial vehicles and for mixed fleets of diesel and gasoline vehicles.

SPECIFICATIONS

ACEA E9, API CK-4/CJ-4/SN, MTU Type 2.1, CATERPILLAR ECF-3, DEUTZ DQC III-10 LA, FORD WSS-M2C171-F1, CUMMINS CES 20081, DDC 93K218, MAN M3575.

APPROVALS

MB-Approval 228.31, VOLVO VDS-4, MACK EO-O Premium Plus, RENAULT VI RLD-3.

Suitable for use: API CI-4 PLUS, API CI-4, API CH-4.

APPLICATIONS

- EKO FORZA ULTRA LE 15W-40 is suitable for the newer high-speed and low emissions diesel engines, where high temperatures and high pressures develop, therefore high thermal stability lubricants are required.
- EKO FORZA ULTRA LE 15W-40 meets API CK-4 standard, it is thus fully compatible with older diesel engines, as it meets all requirements of the earlier API specifications.
Additionally, most engine manufacturers recommend the use of SAE 15W-40 lubricants in older engines, therefore by using EKO FORZA ULTRA LE 15W-40, owners of older engines and fleets keep using the correct viscosity grade in the older vehicles, while gaining all the benefits of modern API CK-4, ACEA E9-16 and OEM specifications.
- It is suitable for natural gas engines and for mixed fleets of gasoline and diesel vehicles.



PRODUCT DATA SHEET



ADVANTAGES

- EKO FORZA ULTRA LE 15W-40 provides enhanced protection against oxidation, viscosity loss due to shear, and oil aeration. Final benefits are the longer oil drain capability and the better engine protection in long driving distances.
- It is compatible with all modern emission reduction systems, EGR, SCR, DOC and DPF.
- It is suitable for engines complying with the upcoming China Stage VI and Bharat Stage VI emissions regulations.

TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO FORZA ULTRA LE 15W-40
SAE Viscosity Grade	-	-	15W-40
Kinematic viscosity at 100°C	ASTM D445	cSt	14.40
Kinematic viscosity at 40°C	ASTM D445	cSt	107.6
Viscosity index (VI)	ASTM D2270	-	137
CCS Viscosity at -20°C	ASTM D5293	cP	5490
Density at 15°C	ASTM D4052	g/ml	0.8705
Sulfated ash	ASTM D874	% w/w	1.0
Base number, TBN	ASTM D2896	mg KOH/g	7.6
Pour Point	ASTM D5950	°C	-36
Flash Point	ASTM D92	°C	242

SPECIAL INSTRUCTIONS

The lubricant recommendation for EURO 6 engines varies depending on the manufacturer- you should always consult the vehicle manual.

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.

Issue 7, 27 July 2021