



## PRODUCT DATA SHEET

### EKO FORZA ULTRA LE 15W-40

Lubricant for commercial vehicle engines

#### DESCRIPTION

EKO FORZA ULTRA LE 15W-40 is a new generation semi-synthetic engine oil with a low level of SAPS (Low SAPS), suitable for diesel engines of on and off-road commercial vehicles meeting the latest European Union emission standards, but also for older generation diesel vehicles. It provides excellent engine performance and extended oil drain intervals.

EKO FORZA ULTRA LE 15W-40 meets the most demanding requirements of the major manufacturers such as CUMMINS, DAIMLER TRUCK, MAN, VOLVO etc.

EKO FORZA ULTRA LE 15W-40 meets the API CK-4 specification, so it is fully compatible with older generation diesel engines, as it meets the requirements of all previous API specifications (API CJ-4, API CI-4 Plus, API CI-4, API CH-4).

Most manufacturers recommend SAE 15W-40 lubricant for older engines. Using EKO FORZA ULTRA LE 15W-40, owners of older vehicles and mixed fleets of vehicles of different ages still use the correct viscosity grade in older vehicles, while gaining all the advantages of the up-to-date specifications of the lubricant.

#### SPECIFICATIONS

ACEA E9, API CK-4/CJ-4/SN, CATERPILLAR ECF-3, CUMMINS CES 20086, DETROIT DIESEL DDC 93K222, DEUTZ DQC III-18 LA, FORD WSS-M2C171-F1, MAN M3775, MTU Type 2.1.

#### APPROVALS

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

**Suitable for use:** API CI-4 PLUS, API CI-4, API CH-4, API CF, CUMMINS CES 20081, VOLVO VDS-4.

#### APPLICATIONS

- Suitable for modern high-speed and low-emission diesel engines, but also fully compatible with older generation diesel engines.
- Suitable for on- and off-road applications.
- Suitable for mixed fleets of vehicles of different ages, and for mixed fleets of diesel and gasoline vehicles.



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### ADVANTAGES

- EKO FORZA ULTRA LE 15W-40 provides enhanced protection against oxidation, loss of viscosity due to shear and air entrapment in the lubricant, with the ultimate benefit of extending the drain intervals and increasing the protection of the engine at long driving intervals.
- It is compatible with all modern exhaust emission reduction systems EGR, SCR, DOC and DPF.
- It is suitable for engines that comply with the exhaust emission regulations China Stage VI and Bharat Stage VI.

### TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO FORZA ULTRA LE 15W-40
SAE Viscosity Grade	-	-	15W-40
Density, 15°C	ASTM D4052	g/ml	0.8722
Kinematic Viscosity, 100°C	ASTM D445	cSt	14.76
Kinematic Viscosity, 40°C	ASTM D445	cSt	111.2
Viscosity Index (VI)	ASTM D2270	-	137
CCS Viscosity, -20°C	ASTM D5293	cP	6270
Base Number, TBN	ASTM D2896	mg KOH/g	8.1
Sulfated Ash	ASTM D874	% w/w	0.9
Pour Point	ASTM D5950	°C	-39
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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This data sheet provides basic information on the product as at the date of drafting. For further information regarding applications, please contact EKO ABEE Technical Support, tel. +30 210 5509 511. Advice on safe handling is provided in the Safety Data Sheet.