



PRODUCT DATA SHEET



EKO FORZA PREMIUM 15W-40 Lubricant for commercial vehicle engines

DESCRIPTION

EKO FORZA PREMIUM 15W-40 is a high-performance, heavy-duty diesel engine lubricant, suitable for diesel engines operating on and off road in demanding conditions. EKO FORZA PREMIUM 15W-40 is approved by all major manufacturers such as MERCEDES BENZ, MAN, VOLVO, RENAULT, MACK and meets CATERPILLAR ECF-2 and CUMMINS 20078 requirements. Therefore, it is suitable for modern EURO 4 and EURO 5 engines but also for older-technology engines.

SPECIFICATIONS

ACEA E7, ACEA A3/B4, API CI-4/CH-4/CG-4/CF-4/SL, MACK EO-M Plus/EO-M, CATERPILLAR ECF-2, CUMMINS CES 20076/20077/20078, MTU Type 2, DDC 93K215, DEUTZ DQC III-10, DHD-1 Engine capability, JASO DH-1 Engine capability.

APPROVALS

"MB-Approval 228.3", MAN M3275-1, VOLVO STD 417-0002: VOLVO VDS-3, RENAULT VI RLD-2, MACK EO-N.

APPLICATIONS

- Naturally aspirated and turbocharged diesel engines of European, Japanese and US manufacturers.
- Light and heavy duty transport vehicles and off-road equipment operating in farming, quarries, mines and construction.
- Suitable for mixed fleets of different manufacturers and technologies.



PRODUCT DATA SHEET

SPECIAL INSTRUCTIONS: For low-emission, state-of-the-art engines equipped with modern emission control systems, including diesel Particulate filters, the use of EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40, EKO FORZA PLATINUM FORMULA LE 10W-40, EKO FORZA PLATINUM FORMULA LE 5W-30 and EKO FORZA ULTRA LE 15W-40 is recommended. Always consult user manual to choose the right lubricant for your engine.

ADVANTAGES

- Provides excellent wear protection even during the most extended oil drain intervals.
- Its high TBN value and excellent TBN retention capability offer superior protection against corrosive acids produced at combustion.
- Provides superior oxidative and thermal stability which drastically reduces deposits and sludge build-up and prevents viscosity increase, resulting in a longer lifespan for lubricant and engine and in less maintenance and operating costs.
- Its excellent low temperature fluidity helps minimize start-up wear.

TYPICAL CHARACTERISTICS

Properties	Methodology	Units	EKO FORZA PREMIUM 15W-40
SAE Viscosity Grade	-	-	15W-40
Kinematic Viscosity at 100°C	ASTM D445	cSt	14.5
Kinematic Viscosity at 40°C	ASTM D445	cSt	105.9
Viscosity Index (VI)	ASTM D2270	-	140
Density at 15°C	ASTM D4052	g/ml	0.885
Sulfated Ash	ASTM D874	% w/w	1.4
Base number, TBN	ASTM D2896	mg KOH/g	11.8
Pour Point	ASTM D5950	°C	-30
Flash Point	ASTMD92	°C	224

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 4, 3 January 2018

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 and +30 210 7725 418. Advice on safe handling is provided in the Safety Data Sheet.