



PRODUCT DATA SHEET



EKO FORZA PREMIUM 10W-40

Lubricant for commercial vehicle engines

DESCRIPTION

EKO FORZA PREMIUM 10W-40 is an advanced synthetic lubricant designed for heavy vehicle diesel engines operating in difficult conditions in a variety of on and off-road applications.

EKO FORZA PREMIUM 10W-40 is produced with selected base oils and latest technology additives and meets the specifications set by many engine manufacturers, such as MERCEDES BENZ, MAN, VOLVO, RENAULT, CATERPILLAR, CUMMINS, MTU and MACK.

SPECIFICATIONS

ACEA E7, ACEA A3/B4, API CI-4/CH-4/CG-4/CF-4/SL, MB 228.3, MAN M3275-1, VOLVO VDS-3, MACK EO-M Plus/EO-M/EO-N, RENAULT RLD-2, CATERPILLAR ECF-2, CUMMINS CES 20076/20077/20078, MTU Type 2, DDC 93K215, DHD-1 Demo Program, JASO DH-1 Demo Program.

APPLICATIONS

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

ADVANTAGES

- The synthetic technology of the base oils provides greater resistance to oxidation and thermal breakdown compared to conventional mineral-based lubricants, resulting in higher engine cleanliness and performance and in a significant increase in the lifespan of the lubricant.



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- Its resistance to the increase of viscosity at high temperatures provides a satisfactory lubricating membrane and excellent anti-wear protection.
- The lubricant's SAE 10W-40 viscosity grade and high viscosity index guarantee better performance at low and high temperatures compared to conventional mineral-based lubricants.
- Meets the most advanced specifications set by engine manufacturers, allowing for the use of one lubricant in fleets of commercial vehicles and earthmoving equipment of different manufacturers and technologies.

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.

TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO FORZA PREMIUM 10W-40
SAE Viscosity Grade	-	-	10W-40
Kinematic Viscosity at 100°C	ASTM D 445	cSt	14.8
Kinematic Viscosity at 40°C	ASTM D 445	cSt	98.5
Viscosity Index (VI)	ASTM D 2270	-	157
Density at 15°C	ASTM D 4052	g/ml	0.87
CCS Viscosity at -25°C	ASTM D 5293	cP	6500
Base number, TBN	ASTM D2896	mg KOH/g	11.8
Sulfated Ash	ASTM D 874	% w/w	1.1
Pour Point	ASTM D 5950	°C	-30
Flash Point	ASTM D 92	°C	230

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