



PRODUCT DATA SHEET

EKO FORZA PREMIUM 10W-40

Lubricant for commercial vehicle engines

DESCRIPTION

EKO FORZA PREMIUM 10W-40 is a high quality semi-synthetic lubricant, suitable for EURO IV and older technology (EURO I to EURO III) heavy-duty diesel vehicles, operating on and off the road.

SPECIFICATIONS

ACEA E7, API CI-4/SL, CATERPILLAR ECF-2, ECF-1a, CUMMINS CES 20076/77/78, DETROIT DIESEL DDC 93K215, DEUTZ DQC III-10, DTFR 15B110 (228.3), GLOBAL DHD-1, MACK EO-N/EO-M PLUS, MAN M3275-1, MTU Type 2, RENAULT TRUCKS RLD/RLD-2, VOLVO VDS-3.

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 latest technology additives used in the formulation of EKO FORZA PREMIUM 10W-40, provide performance reserve in critical tests included in ACEA and API standards:

- Excellent performance in oxidation resistance: 35% better than ACEA E7 limits in Oxidation (PDSC) test.
- Excellent performance in corrosion control: >50% better than API CJ-4 limits in Pb Corrosion Control (HTCBT) test.
- Excellent performance in wear control: >50% better than ACEA E7 limits in Mack T12/Cylinder Liner Wear (CLW) test.



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ADVANTAGES

- Excellent performance in piston cleanliness: 21% better than ACEA E7 limits in OM501LA test.
- Excellent performance in soot control: 55% better than API CJ-4 limits in CUMMINS ISM (Injector Screw Weight Loss) test.

TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO FORZA PREMIUM 10W-40
SAE Viscosity Grade	-	-	10W-40
Density, 15°C	ASTM D4052	g/ml	0.8704
Kinematic Viscosity, 100°C	ASTM D445	cSt	14.2
Kinematic Viscosity, 40°C	ASTM D445	cSt	97.8
Viscosity Index (VI)	ASTM D2270	-	151
CCS Viscosity, -25°C	ASTM D5293	cP	6780
Base number, TBN	ASTM D2896	mg KOH/g	10.4
Sulfated Ash	ASTM D874	% w/w	1.4
Pour Point	ASTM D5950	°C	-39
Flash Point, COC	ASTM D92	°C	228

SPECIAL INSTRUCTIONS

For EURO V and EURO VI engines equipped with DPF filters, the use of EKO FORZA FUEL ECONOMY 5W-30 E6/E9, EKO FORZA FUEL ECONOMY 10W-30 E6/E9, EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40, EKO FORZA PLATINUM FORMULA LE 10W-40 and EKO FORZA ULTRA LE 15W-40 is recommended. Always consult user manual to choose the right lubricant for your vehicle's engine.

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.