



PRODUCT DATA SHEET



EKO FORZA PREMIUM 10W-40 Lubricant for commercial vehicle engines

DESCRIPTION

EKO FORZA PREMIUM 10W-40 is a synthetic technology lubricant, suitable for EURO 4 and previous diesel engines operating in on and off-road applications.

SPECIFICATIONS

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

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 E7-16 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 E7-16 limits in Mack T12/Cylinder Liner Wear (CLW) test.



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ADVANTAGES

- Excellent performance in piston cleanliness: 21% better than ACEA E7-16 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
Kinematic Viscosity at 100°C	ASTM D 445	cSt	14.2
Kinematic Viscosity at 40°C	ASTM D 445	cSt	97.8
Viscosity Index (VI)	ASTM D 2270	-	151
Density at 15°C	ASTM D 4052	g/ml	0.8704
CCS Viscosity at -25°C	ASTM D 5293	cP	6780
Base number, TBN	ASTM D2896	mg KOH/g	10.4
Sulfated Ash	ASTM D 874	% w/w	1.4
Pour Point	ASTM D 5950	°C	-39
Flash Point	ASTM D 92	°C	228

SPECIAL INSTRUCTIONS

For EURO 6 and EURO 5 engines equipped with modern emission control systems including DPF, 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.

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.