



## PRODUCT DATA SHEET



### EKO FORZA SYNTHETIC 10W-40

Lubricant for commercial vehicle engines

#### DESCRIPTION

EKO FORZA SYNTHETIC 10W-40 is a full SAPS high-performing synthetic lubricant especially designed to offer maximum protection, long drain intervals and fuel economy to modern heavy-duty diesel engines operating on and off road in demanding conditions.

Suitable for EURO 4 and EURO 5 but also for older generation engines, following manufacturer recommendations.

#### SPECIFICATIONS

ACEA E4, E7, API CI-4, SCANIA LDF-2, MTU Type 3, RENAULT RXD, DEUTZ DQC III-10, MACK EO-M PLUS, CUMMINS CES 20077/78, Global DHD-1.

#### APPROVALS

“MB-Approval 228.5”, MAN M3277, 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 agriculture, quarries, mines and constructions.
- Suitable for mixed fleets of different manufacturers and technologies.

#### ADVANTAGES

- Its excellent engine-cleaning capacity provides maximum engine cleanliness and performance.
- Excellent engine wear protection.
- Contributes to vehicle fuel economy.
- Suitable for very long drain intervals following requirements of manufacturers such as MERCEDES BENZ, MAN, VOLVO and CUMMINS.



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**SPECIAL INSTRUCTIONS:** For EURO 5 and EURO 6 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.

### TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO FORZA SYNTHETIC 10W-40
SAE Viscosity Grade	-	-	10W-40
Density, 15°C	ASTM D4052	g/ml	0.867
Kinematic Viscosity, 100°C	ASTM D445	cSt	14.9
Kinematic Viscosity, 40°C	ASTM D445	cSt	103.9
Viscosity Index (VI)	ASTM D2270	-	149
CCS Viscosity, -25°C	ASTM D5293	cP	6000
Base number, TBN	ASTM D2896	mg KOH/g	12.9
Sulfated Ash	ASTM D 874	% w/w	1.7
Pour Point	ASTM D 5950	°C	-36
Flash Point, COC	ASTM D 92	°C	228

### 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 8, 29 December 2021

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.