Product Data sheet

EKO FORZA FUEL ECONOMY 10W-30 E6/E9

Lubricant for commercial vehicle engines

Description

EKO FORZA FUEL ECONOMY 10W-30 E6/E9 is a synthetic technology lubricant, designed for the highest level of performance in modern low emission diesel engines operating on and off-highway.

The SAE 10W-30 viscosity grade and the modern technology of the lubricant help fuel saving, compared to SAE 15W-40 and SAE 10W-40 lubricants.

It is suitable for modern EURO VI and EU Stage V diesel engines, but also for older diesel engines meeting EURO I to EURO V and EU Stage IV and earlier emission standards.

It meets ACEA E6, E7, E8, E9, E11 and API CK-4 standards and the latest specifications of major manufacturers such as CUMMINS, DAIMLER TRUCK, MAN and VOLVO.

The formulation of the lubricant provides excellent protection and cleanliness to the engine, thus maximizing performance and increasing its lifespan.

The excellent antioxidant properties of EKO FORZA FUEL ECONOMY 10W-30 E6/E9 contribute to extensive oil-change intervals.

The low volatility loss and high resistance to shear provide excellent control of lubricant consumption. The final benefit is the reduction of maintenance costs and operating costs.

The lubricants has excellent fluidity and pumpability characteristics at low temperatures, thus allowing the engine to start easily at low ambient temperatures and minimizes wear at startup.

Specifications

ACEA E6, E7, E8, E9, E11, API CK-4, CATERPILLAR ECF-3, CUMMINS CES 20086, DAF PSQL 2.1E-LD, DEUTZ DQC IV-18 LA, DETROIT DIESEL DDC 93K222, DTFR 15C100 (228.31), DTFR 15C110 (228.51), DTFR 15C120 (228.52), JASO DH-2, MAN M 3775, MTU Type 3.1.

Approvals

VOLVO VDS-4.5 , MACK EOS-4.5, RENAULT VI RLD-3.

Suitable for use

API CJ-4, API CI-4 plus, API CI-4, API CH-4, CUMMINS CES 20081, DETROIT DIESEL DDC 93K218, MACK EO-O Premium Plus, VOLVO CNG, VOLVO VDS-4.

Applications

- Suitable for the high-performance modern EURO VI and EU Stage IV diesel engines, but also fully compatible with the older diesel engines in which use helps to improve performance and increase change intervals.
- It meets the requirements of modern specifications of all major European, American and Japanese (OEM) manufacturers, it is therefore suitable for mixed fleets of various manufacturers and ages.
- Applications include on-highway transport vehicles operating at high speeds and high loads, and off-highway vehicles and equipment operating at low speeds and high loads in applications in construction, mining, shipping and agriculture.

Advantages

EKO FORZA FUEL ECONOMY 10W-30 E6/E9 provides excellent wear protection and excellent oxidation resistance, as demonstrated by the results in critical tests of API CK-4, DTFR 15C110 (228.51) and Volvo VDS-4.5 specifications:

- OM646LA Cam Wear test (wear of camshaft inlet and camshaft outlet).
- OM646LA Cylinder Wear test (cylinder wear).
- Mack T-13 KV40 increase test (increase in lubricant viscosity).
- Mack T-13 Oxidation peak height test (protection against oxidation).
- Mack T-13 Average oil consumption test (lubricant consumption).

Typical Characteristics

Properties	Methods	Units	EKO FORZA FUEL ECONOMY 10W-30 E6/E9
Κατάταξη Ιξώδους κατά SAE	-	-	10W-30
Πυκνότητα, 15°C	ASTM D4052	g/ml	0.864
Κινηματικό Ιξώδες, 100°C	ASTM D445	cSt	11.57
Κινηματικό Ιξώδες, 40°C	ASTM D445	cSt	79.34
Δείκτης Ιξώδους (VI)	ASTM D2270	-	138
Ιξώδες CCS, -25°C	ASTM D5293	cP	5730
Αλκαλικότητα, TBN	ASTM D2896	mg KOH/g	10.1
Θειική Τέφρα	ASTM D874	% w/w	1.0
Σημείο Ροής	ASTM D5950	°C	-39
Σημείο Ανάφλεξης, COC	ASTM D92	°C	234

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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