



## PRODUCT DATA SHEET

### EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40

Lubricant for commercial vehicle engines

#### DESCRIPTION

EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40 is an advanced synthetic technology engine lubricant with a low level of SAPS (Low SAPS), suitable for low-emission heavy-duty vehicle diesel engines operating on and off road.

EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40 is suitable for diesel engines with or without diesel particulate filters (DPF), EGR diesel engines and diesel engines with SCR systems.

EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40 is suitable for diesel engines that meet the EURO I to EURO VI exhaust emission requirements. In the older engines, the use of the lubricant helps maximize performance and increase engine life.

EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40 conforms to ACEA E6, ACEA E7, ACEA E8, ACEA E9, ACEA E11 and API CK-4 standards and holds the DTFR 15C110 (228.51), VOLVO VDS-4.5, RENAULT VI RLD-3 and MACK EOS-4.5 approvals.

The formulation of EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40 provides excellent protection and cleanliness to the engine, maximizing engine performance and lifetime. The lubricant's excellent characteristics such as low volatility loss, high shear resistance and high oxidation resistance provide excellent control over oil consumption.

EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40 is suitable for extended drain intervals according to the engine manufacturer's instructions.

#### SPECIFICATIONS

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

#### APPROVALS

DTFR 15C110 (228.51), VOLVO VDS-4.5, MACK EOS-4.5, RENAULT VI RLD-3.

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**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 use in diesel engines meeting EURO I to EURO VI emission requirements.
- Suitable for diesel vehicles with or without diesel particulate filters (DPF), for vehicles with EGR systems and for vehicles with SCR systems.
- Suitable for mixed fleets of vehicles of various manufacturers and ages.
- Applications include on-road transport vehicles operating at high speeds and high loads and off-road vehicles and equipment operating at low speeds and high loads in applications in construction, mining, shipping and agriculture.

### ADVANTAGES

- Excellent oxidative and thermal stability and effective soot control, resulting in the maintenance of the cleanliness and performance of the engine and the extension of the oil change interval.
- Maintains a high TBN value throughout the entire period of operation of the lubricant, resulting in an increase in the engine's protection against corrosion and an extension of the oil change interval.
- Excellent control of lubricant consumption, resulting in the reduction of the operating costs associated with the lubricant.
- Excellent protection against abrasive and corrosive wear, resulting in the increase of the service life of all critical engine components.
- Compatible with all exhaust after-treatment systems (DPF, DOC, EGR, SCR).



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### TYPICAL CHARACTERISTICS

Properties	Methods	Units	EKO FORZA PLATINUM UNIVERSAL ERSP 10W-40
SAE Viscosity Grade	-	-	10W-40
Density, 15°C	ASTM D4052	g/ml	0.868
Kinematic Viscosity, 100°C	ASTM D445	cSt	14.5
Kinematic Viscosity, 40°C	ASTM D445	cSt	98.1
Viscosity Index (VI)	ASTM D2270	-	152
CCS Viscosity, -25°C	ASTM D5293	cP	5900
Base Number, TBN	ASTM D2896	mg KOH/g	10
Sulfated Ash	ASTM D874	% w/w	1.0
Pour Point	ASTM D5950	°C	-33
Flash Point, COC	ASTM D92	°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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