

Engine oils

ISO L-E

FENIX[®] SUPERIOR EXTRA SAE 15W-40

Semi-synthetic high-quality multigrade SHPD (Super High Performance Diesel) engine oil required by the manufacturers of high-speed diesel engines. The reduced level of SAPS (sulphated ash, phosphorus, sulphur) ensures safe application in engines that meet the requirements of EURO IV, EURO V and EURO VI standards. This oil provides maximum protection against wear of the cylinder, reduces harmful emissions, has excellent detergent properties that prevent the formation of deposits in the engine, which allows for a long oil change interval.

ADVANTAGES

- Excellent detergent dispersing properties keep the engine clean and maintain its power;
- It provides maximum, long-term engine protection and low emission of harmful exhaust gases even in severe driving conditions;
- It is extremely resistant to oxidation, thus extremely long oil change intervals are provided;
- Its extraordinary fluidity is perfectly adjusted for engine cold start in extremely cold exploitation conditions and it provides good protection of engine parts in high operating temperatures;
- Especially recommended for the most modern diesel engines with built-in diesel particulate filter (DPF);
- Its extraordinary fluidity reduces friction in engine parts and thus it saves fuel and CO₂ emission into environment is reduced;
- It protects the environment by reduction of CO₂ emission and other polluting and harmful emissions in all exploitation conditions. It has excellent viscosity characteristics and at the same time it reduces fuel consumption owing to its excellent tribological properties;
- It provides long-term engine purity;
- Low volatility.

QUALITY LEVEL

ISO 6743-15

API CJ-4/CI-4+/CI-4/SN/SM

ACEA E9-12

MB-Approval 228.31

MAN M3575

VOLVO VDS-4

Cummins CES 20081

CAT ECF-1a/ECF-2/ECF-3

MACK EO-O PP-07

MTU Type 2.1

Renault Truck RLD-3

DEUTZ DQC III-10 LA

Detroit Diesel DDC 93K214

ZF TE-ML 03K/04C/07C

APPLICATION

FENIX[®] SUPERIOR EXTRA SAE 15W-40 is used for the lubrication of modern four-stroke diesel and gasoline engines of passenger and commercial vehicles, engines for construction, mining and agricultural machinery, buses with built-in exhaust systems (EGR, DPF with or without special particle filter, SCR) and meeting the requirements of EURO V and EURO VI.

For exact oil change intervals, we recommend that you follow the vehicle manufacturer instructions.

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TYPICAL CHARACTERISTICS

	TYPICAL VALUE	METHOD
Density at 15°C, g/ml	0,88	SRPS EN ISO 3675
Kinematic viscosity at 40°C, mm ² /s	109	SRPS ISO 3104
Kinematic viscosity at 100°C, mm ² /s	14.7	SRPS ISO 3104
Viscosity index	139	SRPS ISO 2909
Dynamic viscosity at -20°C, mPas	6850	DIN 53018/1
Flash point, °C	207	SRPS EN ISO 2592
Pour point, °C	-36	SRPS ISO 3016
TBN, mg KOH/g	8.3	SRPS ISO 3771
Sulphated ash, %	1,0	SRPS ISO 3987

STORAGE

Store in covered area. If stored outdoors, it is necessary to place the drums in a horizontal position to prevent the accumulation of water on the surface of the drum. Do not store at elevated temperatures or in locations exposed to direct sunlight.

All necessary instructions can be found in the product SDS. It contains the details of possible hazards, warnings and first aid measures, as well as the impact on the environment and the necessary measures for the storage and handling.

PACKING

Drum 175kg, 60L, plastic containers of 1L, 5L, 10L and 20L.

Data are orientational, manufacturer reserves the right to make changes in order to improve product quality.

