

PRODUCT INFORMATION



Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: **UAE58/01**

All-Fleet™ LE-X 10W-40

All-Fleet™ LE-X 10W-40 engine oil is formulated to provide enhanced fuel economy, oxidation control and shear stability demanded in modern diesel engines operating under a wide variety of service conditions, including engines with Diesel Particulate Filters (DPF) and cooled Exhaust Gas Recirculation (EGR) and Selective Catalyst Reduction (SCR).

All-Fleet™ LE-X 10W-40 is a semi-synthetic heavy-duty engine oil containing high-quality additive chemistry to achieve the following benefits: increased fuel economy, high temperature piston deposit control, foam protection, soot dispersions and oil-thickening control, oxidation inhibition, low temperature sludge protection, corrosion and rust inhibition, valve train wear protection and TBN retention. The product provides excellent performance in local stop and go routes, on and off-road, farm, construction, and mining applications.

Performance levels

API CK-4/SN

ACEA E7-16, E9-16

MB-228.31

Volvo VDS-4.5

MAN 3775

CAT ECF-3

Applications

Suitable for some of the latest heavy duty engines in trucks, buses and off-road machinery.

Features & Benefits

Emission control

Fulfills the requirements of EU Euro 6 and Stage V emission standards. This formulation is especially effective at sustaining emission control and system durability where particulate filters and other advanced aftertreatment systems are used.

Backwards compatibility

All-Fleet™ LE-X 10W-40 engine oil exceeds the performance criteria of API: CJ-4, CI-4, CI-4 Plus and CH-4 and can effectively lubricate engines calling these API service categories.

Clean engine and wear protection

The modern additive system provides effective piston cleanliness and wear protection as well as valvetrain wear control.

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Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and producer of quality branded automotive and industrial products and services. Products include automotive lubricants; transmission fluids; gear oils; hydraulic lubricants; automotive chemicals; specialty products; greases, and cooling system products.

For more information on Valvoline products, programs and services please visit

www.valvolineeurope.com

For all OEM specifications visit:

<https://pisheets.valvoline.com>

Typical properties

Typical property characteristics are based on current production. Whilst future production will conform to Valvoline specifications, variations in these characteristics may occur.

All-Fleet LE-X	
SAE Viscosity Grade	10W-40
Viscosity, mm ² /s @ 100 °C. ASTM D-445	15.78
Viscosity, mm ² /s @ 40 °C. ASTM D-445	107.2
Viscosity Index ASTM D-2270	157
Viscosity, mPa.s -25°C. ASTM D-5293	5656
TBN, mg KOH/g ASTM D-2896	9.9
Pour Point, °C ASTM D-5949	-36
Specific Gravity @ 15.6°C. ASTM D-4052	0.865
Flash Point, COC, °C. ASTM D-92	222

**This information only applies to products manufactured in the following location(s):
UAE**

Health & Safety

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet

<http://sds.valvoline.com>

Protect the environment

Take used oil to an authorized collection point. Comply with local regulations. Do not discharge into drains, soil or water.

Storage

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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