Lubricants - Engine Oil - Heavy Duty Engine Oils

Valvoline™ All-Fleet™ Superior LE-X 10W-40

Heavy-duty engine oil approved by leading OEMs, designed for use in a wide range of mixed fleet applications. This synthetic blend engine oil is engineered for long-term lubrication and optimal engine performance. ALL-FLEET™ SUPERIOR LE-X 10W-40 has been formulated to meet key industry and OEM claims, where 10W-40 is recommended.

OEM Approvals
Cummins CES 20086
Deutz DQC III-18 LA
DTFR 15C100 (MB-228.31)
Mack EOS-4.5
Renault VI RLD-3
Volvo VDS-4.5
Performance levels
ACEA E11, E9, E7
API CK-4, CJ-4, CI-4+, CI-4, CH-4, SN
Caterpillar ECF-3, ECF-2
Cummins CES 20081
Detroit Diesel DFS 93K222, 93K218
JASO DH-1, DH-2
Mack EO-N PP
MAN M3775, M3575
Volvo VDS-4, VDS-3

Applications

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

Features & Benefits

Ensures optimal engine performance
An ultra-modern additive system provides optimal engine performance. Strong oil film protects the engine against wear and corrosion. The unique formulation prevents deposit formation and protects against soot build-up.

Provides long-term lubrication
Premium additive package ensures smooth long-term engine lubrication and keeps the engine clean over extended service intervals and long-drain oil refreshment periods.

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™ Superior LE-X SAE 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 Global Operations 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 **https://www.valvolineglobal.com/en-eur/** or **http://pisheets.valvolineglobal.com**

Health & Safety
For more information about environment requirements, product safe handling, storage, and disposal, please refer to the product Safety Data Sheet (SDS) available at **http://sds.valvolineglobal.com**

Typical properties

All-Fleet Superior LE-X Engine Oil	
SAE Viscosity Grade	10W-40
Viscosity @ 100ºC, mm^2/s ASTM D445	14.8
Viscosity @ 40ºC, mm^2/s ASTM D445	103
Viscosity Index ASTM D2270	151
Viscosity @ –25°C, mPa.s ASTM D5293	< 6800
TBN, mg KOH/g ASTM D2896	9.6
Pour Point, ºC ASTM D5949	-39
Density @ 15°C, g/cm^3 ASTM D4052	0.867
Flash Point, COC, ºC ASTM D92	224

*****The data provided is for reference only and can be applied only for the specific production location.

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

Effective date: 4/15/2026

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