

Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 115/06

All-Fleet™ Extra LE Engine Oil SAE 15W-40

Valvoline All Fleet Extra LE engine oil is a Super High Performance Diesel (SHPD) Premium conventional engine oil for use in heavy-duty, turbo-charged industrial and truck engines. This oil is specially engineered to meet the medium extended drain requirements of the world's leading truck manufacturers and contains a special additive system providing effective piston cleanliness and wear control. The product can be used in Euro engines with or without Diesel Particle Filter (DPF) and for most engines with Exhaust Gas Recirculation (EGR) and Selective Catalytic Reduction (SCR) after treatment systems. Suitable for Euro 1,2,3,4,5,6* engines.

**Euro 6 oil recommendations differ per truck brand. Check owner's manual before use.*

O.E.M. Approvals
MAN 3575
MB-Approval 228.31
MTU Type 2.1
Volvo VDS-4 (417-0001-16-1001)
Mack EO-O Premium Plus
Renault RLD-3

Performance levels
ACEA E9
API: CG-4, CH-4, CI-4, CJ-4, SN
Caterpillar ECF-3
Cummins 20081
Detroit Diesel 93K218
Deutz DQC III-10 LA
Volvo VDS-3

Features & Benefits

Applications

Suitable for heavy-duty engines in trucks, buses and industrial vehicles.

Suitable for engines with special after treatment exhaust systems such as EGR, SCR and DPF.

Suitable for medium extended drain oil refreshment periods.

SHPD

Super High Performance Diesel engine oil.

Emission control

Fulfills the requirements of EU Euro 5 and 6 emission standards.

After treatment

Mid SAP Oil suitable for SCR, EGR and DPF exhaust systems.

Long-life

Maximizes engine durability.

Clean engine and wear protection

Special additive system provides effective piston cleanliness and wear control.

OEM approved

Recommended and approved by many major heavy-duty engine manufacturers.

PRODUCT INFORMATION



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

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 Extra LE Engine Oil	
SAE Viscosity Grade	15W-40
Viscosity, mm²/s @ 100 °C. ASTM D-445	15,1
Viscosity, mm²/s @ 40 °C. ASTM D-445	115
Viscosity Index ASTM D-2270	136
Viscosity, mPa.s -20°C. ASTM D-5293	<7000
TBN, mg KOH/g ASTM D-2896	8,3
Pour Point, °C ASTM D-5949	-39
Specific Gravity @ 15.6°C. ASTM D-4052	0,874
Flash Point, COC, °C. ASTM D-92	238

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

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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://msds.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.

Replaces – 115/05