

# Product Information

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*Lubricants - Engine Oil - Heavy Duty Engine Oils*

Version: 101/17a

## All-Fleet™ Extra engine oil SAE 15W-40

All-Fleet Extra 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 long drain requirements of the world's leading truck manufacturers. It contains a special additive system to keep the engine clean, prevent ring sticking and wear, and maintain maximum output longer.

### Approvals/Performance levels

SAE 15W-40
ACEA E7, E5, E3
API CI-4, CH-4, CG-4
Cummins CES 20076/77/78
Deutz DQC III-10
MAN 3275-1
MB-Approval 228.3
MTU Type 2
Volvo VDS-3
Renault RLD/RLD-2
Mack EO-N, EO-M Plus
Caterpillar ECF-2, ECF-1-a
Global DHD-1

### Applications

Suitable for heavy-duty engines in trucks and buses and for marine and industrial applications.

Suitable for Selective Catalytic Reduction (SCR) and Exhaust Gas Recirculation (EGR) systems -- **not** for Diesel Particulate Filter (DPF) after treatment systems.

Recommended and approved by many major OEMs.

### Features and Benefits

#### Emission control

Fulfills the requirements of the EU Euro emission standards for truck engines.

#### OEM approved

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

#### Long-drain

Suitable for middle long-drain oil refreshment periods.

#### Oxidation control

Enhanced oxidation control at high temperatures and extended drain intervals

#### Long-life

Made with highly effective dispersant technology for superior wear protection and engine cleanliness resulting in maximized engine durability.

#### Clean engine

Superior performing additive system prevents soot and sludge formation, ring sticking and deposit buildup.

#### Low Temperature Performance

Enhanced cold flow properties, meeting latest stringent OEM and ACEA 2012 specifications

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## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. A Safety Data Sheet (SDS) is available on request via your local sales office or via the internet @ <http://msds.ashland.com>

## Protect the Environment

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

## 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	
<b>SAE Viscosity Grade</b>	15W-40
<b>Viscosity, mm<sup>2</sup>/s @ 100 °C.</b> ASTM D-445	14,7
<b>Viscosity, mm<sup>2</sup>/s @ 40 °C.</b> ASTM D-445	106
<b>Viscosity Index</b> ASTM D-2270	143
<b>Viscosity, mPa.s -20°C.</b> ASTM D-5293	<6000
<b>TBN, mg KOH/g</b> ASTM D-2896	11,1
<b>Pour Point, °C</b> ASTM D-5950	-36
<b>Specific Gravity @ 15.6°C.</b> ASTM D-4052	0,870
<b>Flash Point, COC, °C.</b> ASTM D-92	239

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

## 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 including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; 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.valvolineurope.com](http://www.valvolineurope.com)

## Author:

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