

Product Information



A PRODUCT OF ASHLAND CONSUMER MARKETS, A COMMERCIAL UNIT OF ASHLAND INC.

Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 101/14a

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

All-Fleet Extra engine oil is a Super High Performance Diesel (SHPD) 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 E7-12, E5-02, E3-96/4
API CI-4, CH-4, CG-4
Cummins CES 20076/77/78
Deutz DQC III-10
MAN M 3275-1
MB-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 Particle 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 Material and Safety Data Sheet (MSDS) 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.

SAE Viscosity Grade	15W-40
Viscosity, mm²/s @ 100 °C. ASTM D-445	14.7
Viscosity, mm²/s @ 40 °C. ASTM D-445	106
Viscosity Index ASTM D-2270	143
Viscosity, mPa.s -20°C. ASTM D-5293	5000
TBN, mg KOH/g ASTM D-2896	10.4
Pour Point, °C ASTM D-5950	-36
Specific Gravity @ 15.6°C. ASTM D-4052	0.870
Flash Point, COC, °C. ASTM D-92	239

People Who Know Use Valvoline™

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

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Replaces – 101/13a

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Europe**

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