



Product Information

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Lubricants - Engine Oil – Heavy Duty Engine Oil

Version: 111/05

Premium Blue™ Extra SAE 15W-40

Premium conventional heavy-duty diesel engine oil designed to provide advanced lubricant performance in modern, emissions treatment equipped Cummins and other diesel engines.

Premium Blue Extra engine oil endorsed by **Cummins** and provides excellent performance in heavy-duty fleets, marine and industrial applications. Suitable for Euro 1,2,3,4,5,6* engines.

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

Approvals/Performance levels

SAE 15W-40
API: CF-4, CG-4, CH-4, CI-4, CJ-4
ACEA: E7, E9
Cummins CES 20081
Deutz DQC-III-10 LA
Meets engine performance requirements of JASO DH-2
MAN M 3575
MB-228.31
MTU 2.1
Renault RLD-3
Mack EO-O Premium Plus
Volvo VDS-3, VDS-4
Caterpillar ECF-3

Applications

Suitable for use in Exhaust Gas Recirculation (EGR), Selective Catalytic Reduction (SCR), Diesel particle Filter (DPF) and other modern diesel engine technologies.

When used in conjunction with Ultra-Low Sulfur Diesel Fuel this product offers an optimal balanced formulation that helps maximize engine durability as well as after-treatment system cleanliness.

Features and Benefits

Emission control

Low emission engine oil fulfills the requirements of the latest emission standards, including on-highway Euro 5, 6 and off-highway stage IIIB and Tier IV legislation.

Soot and deposit control

Exceptional control of soot related oil thickening and high temperature deposit formation.

Increased drain intervals

Maintains engine oil viscosity, prevents soot-related engine wear and extends engine life safely, allowing for increased drain intervals.

Wear protection

Valve train wear protection and reduced oil filter restriction at high soot levels that enhances engine durability.

Superior TBN performance

Premium Blue Extra engine oil was repeatedly tested using the industry recognized ROBO test. It repeatedly demonstrated superior TBN retention compared to other formulations in the market.

Cummins endorsed

Especially developed, approved and endorsed by **Cummins** against CES 20081.



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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.

Valvoline Premium Blue Extra motor oil	
SAE Viscosity Grade	15W-40
Viscosity, mm ² /s @ 100 °C. ASTM D-445	14,9
Viscosity, mm ² /s @ 40 °C. ASTM D-445	117
Viscosity Index ASTM D-2270	138
Viscosity, mPa.s -20°C. ASTM D-5293	<7000
TBN, mg KOH/g ASTM D-2896	10
Pour Point, °C ASTM D-5950	-36
Specific Gravity @ 15.6°C. ASTM D-4052	0,879
Flash Point, COC, °C. ASTM D-92	230

**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.valvolineeurope.com

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Replaces – 111/04

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