



Product Information

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



Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 109/07

Premium Blue™ Extreme Engine Oil SAE 5W-40

Full synthetic premium heavy-duty diesel engine oil provides superior lubrication performance in modern, emissions treatment equipped Cummins diesel engines.

Premium Blue Extreme engine oil is endorsed by **Cummins**. The advanced high performance synthetic technology offers a long-life, extended drain capable, balanced formulation which helps maximize engine durability. Premium Blue Extreme meets the most demanding requirements of modern Exhaust Gas Recirculation (EGR) engines operating at elevated temperatures and with higher soot and acid levels in the oil. 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 5W-40
ACEA E7, E9
API CH-4, CI-4, CI-4 plus, CJ-4/SM
JASO DH-2
Global DHD-1
Cummins CES 20081
MAN M 3275
MB-228.3, 228.31
MTU Type 1 & 2
Volvo VDS-4
Renault RVI RLD-3
Detroit Diesel 93K218
Mack EO-O Premium Plus
Caterpillar ECF-3

Applications

Suitable for heavy-duty diesel engines in trucks and buses and industrial applications where SAE 5W-40 engine oil is recommended.

Suitable for use in Exhaust Gas Recirculation (EGR), Diesel Particle Filter (DPF) and other modern diesel engine technologies.

Can also be used in mixed-fleet operations with heavy trucks, pick-up trucks, and even delivery vans with gasoline engines.

Features and Benefits

Proven improvement in fuel economy

Statistically significant test results find up to 3% maximum improvement in fuel economy using SAE J1321/TMC RMP 1103, Type II techniques. Testing was conducted by a leading independent laboratory.

Wear protection

Strong oil film protects the engine against wear and corrosion for superior engine durability.

Offers extended drain

With excellent engine cleanliness and high thermal and oxidation stable oil film, Premium Blue Extreme offers a long-life and extended drains.

Cummins endorsed

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



Product Information



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

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.

SAE Viscosity Grade	5W-40
Viscosity, mm ² /s @ 100 °C. ASTM D-445	14,5
Viscosity, mm ² /s @ 40 °C. ASTM D-445	88,6
Viscosity Index ASTM D-2270	170
Viscosity, mPa.s -30°C. ASTM D-5293	<6600
TBN, mg KOH/g ASTM D-2896	10
Pour Point, °C ASTM D-5950	-39
Specific Gravity @ 15.6°C. ASTM D-4052	0,853
Flash Point, COC, °C. ASTM D-92	>200

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

Author:

AdG

Replaces – 109/06

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

*Trademark owned by a third party ™ Trademark of Ashland or its subsidiaries, registered in various countries © 2015, Ashland

All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Ashland Inc. and its subsidiaries assume legal responsibility.



Product Information

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

