

PRODUCT INFORMATION



Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 146/05

Valvoline™ Premium Blue™ Extreme 5W-40

Premium Blue™ engine oil is “THE ONLY ONE”™ engine oil exclusively endorsed and recommended by Cummins. Unique formula developed in partnership with Cummins to provide superior heavy-duty diesel engine performance and protection for trucks, buses and other service fleets. PREMIUM BLUE™ EXTREME 5W-40 is synthetic engine oil and has been engineered to meet Cummins CES 20081 specification.

OEM Approvals

Cummins CES 20081

Performance levels

API CJ-4, CI-4+, CI-4, SM, SN

Caterpillar ECF-3, ECF-2

Detroit Diesel DFS 93K218, 93K215

DTFR 15B110 (MB-228.3)

Global DHD-1

JASO DH-2, DH-1

MAN M3575

Mack EO-O Premium Plus

MTU Type 2

Renault VI RLD-3

Volvo VDS-4

Compatible with EGR and DPF systems

Recommended for use in engines with Exhaust Gas Recirculation (EGR) and Diesel Particulate Filter (DPF).

Features & Benefits

Formulated in Partnership with Cummins

Premium Blue is THE ONLY ONE engine oil exclusively recommended and endorsed by Cummins.

Superior performance and protection

With the support of Cummins, Valvoline developed a superior formula providing enhanced lubrication performance and supporting improved engine protection.

Superior acid neutralization

Special base additives can neutralize harmful acids over a longer period (TBN retention) and can contribute to reduced engine wear, reduced breakdown risk and lower maintenance costs.

Exceptional oxidation and viscosity control

A unique set of anti-oxidants in Premium Blue provide its superior performance. Different tests have demonstrated superior oxidation and viscosity control.

Fuel Economy

Premium Blue Extreme 5W-40 provides improved Fuel Economy over 15W-40 conventional oils in on-highway operation.

Low Temperature Performance

Multiple tests have proven the superior cold flow performance of Premium Blue Extreme 5W-40 in extreme cold temperatures. In harsh winter conditions engine oil has the tendency to become thicker. Premium Blue Extreme 5W-40 is specially designed to protect the engine even in extreme winter conditions.



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VALVOLINE EUROPE
WIELDRECHTSEWEG 39
3316 BG DORDRECHT
NETHERLANDS

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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 <https://www.valvolineglobal.com/en-eur/> or <http://pisheets.valvolineglobal.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.

Premium Blue Extreme	
SAE Viscosity Grade	5W-40
Viscosity, mm²/s @ 100°C ASTM D-445	16,4
Viscosity, mm²/s @ 40°C ASTM D-445	88,5
Viscosity Index ASTM D-2270	169
Viscosity, mPa.s -30°C ASTM D-5293	< 6600
TBN, mg KOH/g ASTM D-2896	10,1
Pour Point, °C ASTM D-5949	-39
Specific Gravity @ 15.6°C ASTM D-4052	0,854
Flash Point, COC, °C ASTM D-92	> 200

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

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://sds.valvolineglobal.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 – 146/04

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