

# PRODUCT INFORMATION



Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 137/04

## Premium Blue™ 7800 15W-40

**Uniquely formulated heavy duty engine oil to provide enhanced lubricant performance in a wide range of Cummins diesel engines.**

Premium Blue 7800 is exclusively recommended and endorsed by Cummins and specially designed to support longer drain intervals in heavy duty applications. The advanced product technology can help to maximize engine performance and durability and consequently can help reduce maintenance costs.

O.E.M. Approvals
Cummins CES 20078
Deutz DQC III-10
MTU Type 2
Volvo VDS-3
Mack EO-N
Renault VI RLD-2

Performance levels
ACEA E7
API: CI-4
Caterpillar ECF-2
Cummins CES 20076, CES 20077
Detroit Diesel DFS 93K215, 93K214
Global DHD-1
MB-228.3

### Features & Benefits

#### THE ONLY ONE™

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

#### Unique formula for enhanced performance

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

#### Superior acid neutralization

Special alkaline additives will neutralize harmful acids over a longer period (TBN retention) and 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.

#### Excellent soot dispersancy

Dispersancy allows the oil to suspend and carry away pollutants of diverse sources, such as soot from combustion. The special technology used in this formula optimizes soot dispersancy and can help to reduce soot related engine wear.

#### Low Temperature Performance

Multiple tests have proven the superior cold flow performance of Premium Blue 7800 in extreme cold temperatures. In harsh winter conditions engine oil has the tendency to become thicker. Premium Blue 7800 is specially designed to protect the engine even in extreme winter conditions.

#### Compatible with EGR and SCR systems

Recommended for use in engines with Exhaust Gas Recirculation (EGR) and Selective Catalyst Reduction (SCR). Not recommended for engines with a Diesel Particulate Filter (DPF).



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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 [www.valvolineeurope.com](http://www.valvolineeurope.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.

<b>Premium Blue 7800</b>	
<b>SAE Viscosity Grade</b>	15W-40
<b>Viscosity, mm<sup>2</sup>/s @ 100 °C.</b> ASTM D-445	15
<b>Viscosity, mm<sup>2</sup>/s @ 40 °C.</b> ASTM D-445	113
<b>Viscosity Index</b> ASTM D-2270	137
<b>Viscosity, mPa.s -20°C.</b> ASTM D-5293	<6800
<b>TBN, mg KOH/g</b> ASTM D-2896	12
<b>Pour Point, °C</b> ASTM D-5949	-39
<b>Specific Gravity @ 15.6°C.</b> ASTM D-4052	0,877
<b>Flash Point, COC, °C.</b> ASTM D-92	232

**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.valvoline.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 storing 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 – 137/03

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