



# Product Information



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Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 104/13

## Premium Blue™ Engine Oil SAE 15W-40

**Premium heavy-duty engine oil formulated to provide advanced lubricant performance in modern Cummins diesel engines, including those with cooled Exhaust Gas Recirculation (EGR).**

Premium Blue is an engine oil endorsed by Cummins and provides excellent performance in heavy duty fleets, marine and industrial applications. The advanced product technology offers a medium extended drain formulation that helps maximize engine durability.

### Approvals/Performance Levels

| SAE 15W-40                        |
|-----------------------------------|
| ACEA E3-96, E5-02, E7-08#2        |
| ACEA A3-07, B3-04, B4-07          |
| API CF/SL, CF-4, CG-4, CH-4, CI-4 |
| Cummins CES 20076, 77, 78         |
| Volvo VDS-3                       |
| MTU Type 2                        |
| Caterpillar ECF-2/1a              |
| MB-approval 228.3                 |
| Mack EO-M Plus                    |
| Renault RVI RLD/RLD-2             |
| MAN 3275                          |
| Global DHD-1                      |
| ZF TE-ML 07C                      |

### Applications

Suitable for use in Exhaust Gas Recirculation (EGR) system.

Suitable for trucks with medium extended drain intervals.

### Features and Benefits

#### Excellent TBN Retention

Higher Total Base Number (TBN) product designed for the latest diesel engine specification from API, ACEA, and OEMs (including Cummins) -- that allow for higher sulfated ash products.

#### Advanced Soot Handling Performance

Enhanced protection and performance, such as higher TBN levels for long-life performance, reduced valve train wear and reduced oil filter restriction at high soot levels.

#### Deposit control

High temperature deposit control for piston and ring/liner wear protection

#### Compatible with EGR Systems

Recommended for use in Exhaust Gas Recirculation (EGR), Selective Catalyst Reduction (SCR), and Euro IV engines, **but not for DPF (Diesel Particulate Filter)** equipped engines.

#### Cummins Endorsed

Extensively tested in Cummins, as well as other OEM engines, and officially endorsed by **Cummins**.



# Product Information



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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.

| <b>Premium Blue SAE 15W-40</b>                             |        |
|--|--------|
| <b>SAE Viscosity Grade</b>                                 | 15W-40 |
| <b>Viscosity, mm<sup>2</sup>/s @ 100 °C.</b><br>ASTM D-445 | 15,0   |
| <b>Viscosity, mm<sup>2</sup>/s @ 40 °C.</b><br>ASTM D-445  | 106    |
| <b>Viscosity Index</b><br>ASTM D-2270                      | 146    |
| <b>Viscosity, Pumping</b><br>mPa.s -20°C.                  | 5100   |
| <b>TBN, mg KOH/g</b><br>ASTM D-2896                        | 11,5   |
| <b>Pour Point, °C</b><br>ASTM D-5950                       | -39    |
| <b>Specific Gravity @ 15.6°C.</b><br>ASTM D-4052           | 0,871  |
| <b>Flash Point, COC, °C.</b><br>ASTM D-92                  | 220    |

## 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.valvolineurope.com](http://www.valvolineurope.com)

## Author:

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Europe**

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