

## Premium Blue™ 8600 15W-40

Premium Blue™ 8600 15W-40 is “The Only One”™ exclusively endorsed and recommended by Cummins®. It’s designed to provide performance and protection in modern, emissions treatment equipped diesel engines, including those with Exhaust Gas Recirculation (EGR), Diesel Particulate Filters (DPF), and other modern diesel engine technology.

Premium Blue™ 8600 15W-40 is blended with premium base stocks and latest generation additive chemistry to achieve the following benefits: high temperature piston deposit control, foam protection, soot dispersancy and oil-thickening control, oxidation inhibition, low temperature sludge protection, corrosion and rust inhibition, valve train wear protection and TBN retention.

Premium Blue™ 8600 15W-40 is backwards compatible with older engines calling for Cummins® CES20081 and/or CES20078, Detroit Diesel 93K218 and/or 93K215, Mack EO-O, Volvo VDS-4 and/or VDS-3 and Caterpillar ECF-2. Additionally, Premium Blue™ 8600 15W-40 meets the engine test requirements of and API CJ-4 and ACEA E9/E7.

### Specifications and Approvals

Premium Blue™ 8600 15W-40*
API CK-4
ACEA E9
CAT ECF-3
CUMMINS® CES 20086
Detroit Diesel DDC 93K222
Deutz DQC IV-10 LA
MACK EOS-4.5
MB 228.31
MTU Type 2.1
Renault Truck RLD-4
Volvo VDS-4.5

\* Check owners' manual before use.

### Applications

Premium Blue™ 8600 15W-40 is suitable for use in Exhaust Gas Recirculation (EGR), Selective Catalytic Reduction (SCR), Diesel Particulate 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.

Premium Blue™ 8600 15W-40 is Cummins® endorsed and approved against CES 20086.



### Features and Benefits

#### **High Temperature deposit control**

Latest generation additive technology for enhanced engine deposit protection, oxidation and sludge control providing superior engine cleanliness over the oil drain interval.

#### **Excellent Shear Stability**

‘Stay in grade’, shear stable formulation for optimal viscosity control, pump ability and oil pressure control.

#### **After treatment**

Mid SAP Oil suitable for SCR, EGR and DPF exhaust systems

#### **Environment and Emission**

Low ash catalyst compatible engine oil formulated to help protect the latest after treatment (DPF & SCR) systems fitted on the latest low emission vehicle.

#### **Outstanding Protection**

Improved wear protection to maximize engine efficiency and extend engine life.

#### **After treatment**

Mid SAP Oil suitable for SCR, EGR and DPF exhaust systems

## 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.valvoline.com.au](http://www.valvoline.com.au) or contact the Technical Hotline on 1800 804 658 for product recommendations.

## 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™ 8600	Typical
SAE Viscosity Grade	15W-40
Viscosity @ 100 °C, mm <sup>2</sup> /s, ASTM D445	14.85
Viscosity @ 40 °C, mm <sup>2</sup> /s, ASTM D445	111
Viscosity Index, ASTM D2270	138
Density @ 15 °C, kg/L, ASTM D4052	0.874
Total Base Number, mg KOH/g, ASTM D2896	Typical 10
CCS Viscosity, mPa.s @ -20 °C, ASTM D5293	<6500
Flash Point (COC), °C, ASTM D92	225
Pour Point, °C, ASTM D5950	-39
HTHS @ 15 °C, mPa.s, ASTM D5481	4.2
Sulphated Ash, mass% ASTM D874	<1.0
Borderline Pumping Vis @ -25 °C, cP	Pass

**Note:** Premium Blue™ 8600 15W-40 engine oil may be unsuitable for use in some engines, always consult owners' manual if in doubt.

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

Part Number	Pack Size
1324.05	5L
1324.20	20L
1324.51	205L
1324IBC	IBC

## Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. Safety Data Sheet (SDS) is available on request via your local sales office or 1800 804 658 or through our website [www.valvoline.com.au](http://www.valvoline.com.au)

## Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Storage

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.

## Author:

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Replaces - New