Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: **163/01**

Premium Blue™ 8100 15W-40

Premium conventional heavy-duty diesel engine oil designed to provide advanced lubricant performance in modern, emissions treatment equipped Cummins and other diesel engines.

Premium Blue 8100 engine oil endorsed by Cummins and provides excellent performance in heavy-duty fleets, marine and industrial applications.
Suitable for Euro 1,2,3,4,5,6* engines and off-highway stage IIIB* and Tier IV* legislation.
**Oil recommendations differ per truck brand. Check owner's manual before use.*

O.E.M. Approvals
Cummins CES 20081
Deutz DQC III-10 LA
MAN M 3575
MTU Type 2.1
Volvo VDS-4
Mack EO-O Premium Plus
Renault RLD-3

Performance levels
ACEA E7, E9
API: CI-4, CJ-4/SN
Caterpillar ECF-3/ECF-2
Detroit Diesel DFS 93K218
JASO DH-2
MB-228.31
Scania Low Ash
Volvo VDS-3

Features & Benefits

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

Emission control
Low emission engine oil fulfills the requirements of the latest emission standards, including on-highway Euro 5, 6 and off-highway stage IIIB and Tier IV legislation.

Soot and deposit control
Exceptional control of soot related oil thickening and high temperature deposit formation.

Increased drain intervals
Maintains engine oil viscosity, prevents soot-related engine wear and extends engine life safely, allowing for increased drain intervals.

Wear protection
Valve train wear protection and reduced oil filter restriction at high soot levels that enhances engine durability.

Superior TBN performance
Premium Blue 8100 15W-40 engine oil was repeatedly tested using the industry recognized ROBO test. It repeatedly demonstrated superior TBN retention compared to other formulations in the market.

Applications
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.

VALVOLINE EUROPE
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NETHERLANDS



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**

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 8100	
SAE Viscosity Grade	15W-40
Viscosity, mm^2/s @ 100 ºC. ASTM D-445	14,8
Viscosity, mm^2/s @ 40 ºC. ASTM D-445	112
Viscosity Index ASTM D-2270	136
Viscosity, mPa.s –20°C. ASTM D-5293	<6800
TBN, mg KOH/g ASTM D-2896	10,2
Pour Point, ºC ASTM D-5949	-39
Specific Gravity @ 15.6°C. ASTM D-4052	0,876
Flash Point, COC, ºC. 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 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 – 140/01

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