PRODUCT INFORMATION

Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: **139/04**

Premium Blue™ 8100 10W-40

Premium quality heavy duty engine oil. Uniquely formulated with synthetic base oil technology in combination with special additive technologies to offer ultimate performance and protection in Cummins applications. Formulated to also meet the latest standards of other leading engine manufacturers.

Premium Blue 8100 engine oil is suitable for modern heavy-duty diesel engines in trucks, buses and off-road machinery. Suitable for use in heavy duty diesel engines with Exhaust Gas Recirculation (EGR), Selective Catalytic Reduction (SCR) systems and Diesel Particulate Filters (DPF) after treatment systems. Fulfills the Super High Performance Diesel (SHPD) recommendations of major engine builders. 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
Volvo VDS-4 (417-0001-16-909)
Mack EO-O Premium Plus
Renault RLD-3

Performance levels
API: CJ-4
Caterpillar ECF-3/ECF-2
Cummins CES 20076
MAN M 3575
Volvo VDS-3

Features & Benefits

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

Ultimate wear protection
The combination of premium quality base oil and carefully selected additives have proven to reduce valve train wear in severe heavy duty operating conditions.

Enhanced engine cleanliness
Advanced additives prevent oil thickening and promote longer engine life and long efficient engine operation. Excellent detergent/dispersant properties keep the engine clean by controlling deposits, with that avoiding wear in pistons and sleeves.

Superior protection and performance
Premium Blue heavy duty engine oils are engineered with support of Cummins to provide superior performance in Cummins applications. Its unique formulations consist of a combination of premium quality base oil in combination with carefully selected additives to provide maximum power output and protection in sever operating conditions. Formulated to also meet the latest standards of other leading engine manufacturers.

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.

Keeping the world moving since 1866™
Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and

VALVOLINE EUROPE
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NETHERLANDS

PRODUCT INFORMATION

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	10W-40
Viscosity, mm^2/s @ 100 ºC. ASTM D-445	15,6
Viscosity, mm^2/s @ 40 ºC. ASTM D-445	107
Viscosity Index ASTM D-2270	155
Viscosity, mPa.s –25°C. ASTM D-5293	<6800
TBN, mg KOH/g ASTM D-2896	9,6
Pour Point, ºC ASTM D-5949	-39
Specific Gravity @ 15.6°C. ASTM D-4052	0,867
Flash Point, COC, ºC. ASTM D-92	222

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 – 139/03

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