

Product Information

A PRODUCT OF VALVOLINE, A DIVISION OF ASHLAND INC.



Valvoline's Premium Blue[®] Extreme Engine Oil Hi-Performance Synthetic Engine Oil

Valvoline Premium Blue[®] Extreme continues the tradition of providing a superior full synthetic oil that is field proven and delivers exceptional TBN retention, extended drain approved*, enhanced fuel economy potential over conventional oils, advanced soot control, outstanding viscosity retention and excellent all weather performance. The hi-performance synthetic technology meets the stringent demands of modern diesel engines; including EGR (Exhaust Gas Recirculation) and DPF (Diesel Particulate Filter) control systems, operating under standard and extended service interval*, running both ultra-low sulfur diesel fuel and low sulfur diesel fuel.

Premium Blue Extreme provides fuel economy benefits for on-highway Class-8 trucks. Statistically significant test results find up to 3% maximum improvement in fuel economy using SAE J1321/TMC RMP 1103, Type II techniques. Testing was conducted by a leading independent laboratory.

The Premium Blue[®] Extreme Advantage

- Hi-Performance Synthetic Technology meets the most demanding requirements of modern EGR engines operating at elevated temperatures, higher soot and higher acid levels in the engine oil.
- Cummins approved for 5,000-mile oil drain extension, under normal duty, for 2007 engines.
- Superior synthetic basestocks provide faster, safe starts during freezing weather and enhanced thermal properties for hot weather operations.
- Unique formulation has enhanced fuel economy potential over conventional oils.
- Reduced high temperature carbon buildup - both single and two-piece pistons - and ring/liner wear protection leads to improved oil consumption control.
- Unique dispersive polymer technology (DPT) provides advanced soot control and outstanding engine cleanliness.
- Provides fuel economy benefits for on-highway Class-8 trucks.

Valvoline's Premium Blue Extreme Engine Oil is endorsed by Cummins Engine Company and is approved against the CES 20081 specification. The product meets, and is approved against, Mack EO-O Premium Plus, Volvo VDS-4, Detroit Diesel 93K218, and MB-approval 228.31. In addition, the product meets API CJ-4/SM and older category, Caterpillar ECF-3/2/1a, Renault RLD-3, ACEA E9-08/E7-08 and Perkins/Wilson engine requirements. It also meets the engine test performance requirements of MTU Type I/II, MAN 3275, JASO DH-2, and Global DHD-1 specifications. Premium Blue Extreme provides excellent performance in "mixed fleet" gasoline engines, pickup and delivery, city fleet, long haul over-the-road, and off-highway applications.

Typical Properties	SAE 5W-40
Viscosity @ 40 C, cSt	88.6
Viscosity @ 100 C, cSt	14.5
Viscosity Index	170
CCS Viscosity @ -30 C, cP	6,300
Borderline Pumping Viscosity @ -35 C, cP	40,000
High Temp. High Shear Viscosity @ 150 C, cP	3.8
Pour Point, deg. C	-39
Sulfated Ash, %	<1.0
Total Base Number (D-2896)	10
Foam / Aeration Tests	Pass
Part Numbers	
Bulk	VV705160
55 Gallon Drum	VV70516
1 Gallon Jug	774038

Endorsed and Recommended by Cummins Inc.



* Approval is for Cummin ISX and ISM engines On-Highway. To determine your optimum maintenance interval, consult your owner's manual or call Valvoline at 1-800-ALL-FLEET. Results may vary based on environment, operating, and maintenance procedures.

Refer to Valvoline's Material Safety Data Sheet for health and safety information.

This information only applies to products manufactured in the following location(s): USA, Canada.

Effective Date:	Expiration Date:	Replaces:	Author's Initials:	Pages	Code
1/6/12	NA	3/31/10	JRT	1	PBX 1201

ASHLAND