VALVOLINE™ PREMIUM BLUE™ 8600 ES 15W-40

Valvoline Premium Blue Engine Oil 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) and Diesel Particulate Filters (DPF). **Premium Blue 8600 ES** has a unique 10,000 mile drain extension in Cummins X15 engines enabling up to 60,000 miles when average fuel efficiency is 6.5 mpg or higher.

The Premium Blue 8600 ES Engine Oil Advantages:

- Excellent oxidation resistance and TBN retention supports long oil life
- Strong shear stability provides stay-in-grade performance
- Outstanding wear protection
- Superior deposit protection compared to industry requirements
- Premium lubricant designed to protect heavy duty, utility, and pickup diesel engines under severe service in both on and off highway applications including the requirements of Cummins, Caterpillar, Detroit Diesel, Navistar, Mack and Volvo

Premium Blue 8600 ES is licensed for API service CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4, and SN.

Premium Blue 8600 ES is Approved or Recommended for applications where Cummins CES 20086, Mack EOS-4.5, Volvo VDS-4.5, Detroit Diesel DFS 93K222, DFS 93K218, Deutz DQC III-10LA, Renault VI RLD-4, Allison TES-439, ACEA E9, ACEA E7, MB-Approval 228.31, MTU Category 2.1, Caterpillar ECF-3, or JASO DH-2 are specified.

Typical Properties:	**15W-40**
KV100 (cSt)	15.1
KV40 (cSt)	117
Viscosity Index	138
Density (g/cm^3)	0.88
CCS @ -30°C, cP	6500
HTHS @ 150°C, cP	4.3
Pour Point (°C)	-30
Sulfated Ash, mass %	<1.0
TBN (D-2896), meq KOH/g	10.5
Noack, % loss	11
Zinc, ppm	1210
Phosphorous, ppm	1100

Endorsed and Recommended by Cummins Inc.

Part Numbers:	**15W-40**
Bulk	VV705290
Tote	853216
55 Gallon Drum	VV70505
5 Gallon Plastic Pail	VV70506
1 Gallon	773780

Refer to Valvoline's Safety Data Sheets for health and safety information.
This information only applies to products manufactured in the following location(s): USA, Canada.

Effective Date:
8/30/18

Author's Initials:
ERM

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