



## VALVOLINE™ PREMIUM BLUE™ EXTREME 5W-40 FULL SYNTHETIC

Valvoline Premium Blue 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). Valvoline Premium Blue Extreme 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 Extreme Advantages:

- Superior synthetic basestocks provide faster, safe starts during freezing weather and enhanced thermal properties for hot weather operations.
- Enhanced protection against oil oxidation
- Improved fuel economy potential over conventional 15W-40 oils
- 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

Valvoline™ Premium Blue™ Extreme is Approved or Recommended for applications where Cummins CES 20086, Mack EOS-4.5, Volvo VDS-4.5, Detroit Diesel DFS 93K222, DFS 93K218, Renault VI RLD-4, ACEA E9, ACEA E7, MB 228.31, Ford WSS-M2C171-F1, Caterpillar ECF-3, or Chrysler MS-10902 are specified.

Valvoline™ Premium Blue™ Extreme is licensed for API services CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4, SN, SM and all prior API gasoline categories.

Typical Properties	5W-40
Density (g/cm <sup>3</sup> )	0.85
Viscosity @ 40 C, cSt	95.1
Viscosity @ 100 C, cSt	15.3
Viscosity Index	171
CCS Viscosity @ -30 C, cP	6,000
Borderline Pumping Viscosity @ -35 C, cP	pass
High Temp. High Shear Viscosity @ 150 C, cP	4.0
Pour Point, deg. C	-39
Sulfated Ash, %	<1.0
Total Base Number (D-2896)	11
Part Numbers	
Bulk	VV705160
Tote	778165
55 Gallon Drum	VV70516
1 Gallon Jug	774038

Endorsed and Recommended by Cummins Inc.



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

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

Effective Date:  
3/15/18

Author's Initials:  
ERM