

# Product Information

A PRODUCT OF VALVOLINE, A DIVISION OF ASHLAND INC.



## Valvoline Premium Blue™ GEO LA

Valvoline Premium Blue™ GEO LA are low ash engine oils recommended for use in stationary high output, highly turbocharged, spark ignited natural gas engines. They are formulated with premium quality paraffinic basestocks and additive components to provide outstanding lubrication of gaseous fueled engines. The ash content of the oil is optimized to reduce spark plug fouling and formulation of combustion chamber "hot-spots" that can lead to increased NOx formation and detonation.

Valvoline Premium Blue™ GEO LA SAE 40 product is **approved by Cummins** for use in QSK45G, QSK60G, QSV81G, and QSV91G Series engines. It is formulated to meet the requirements of Cummins roller-follower natural gas engines in stationary service, and other natural gas engines, including those listed below. For other engines, please refer to engine manufacturer's specifications.

### Premium Blue® GEO LA Advantages:

- Reduced ash content
- Valve recession protection
- Low oil consumption and piston deposit control
- Advanced oxidation control
- Exceptional sludge protection
- Superior nitration control
- Excellent NSCR catalyst compatibility
- Enhanced protection from corrosion

### Recommended for four-stroke engines made by:

- Caterpillar
- Cummins
- MWM (Deutz)
- Dresser-Rand (Categories I, II, III)
- GE Jenbacher
- Superior
- Wartsila
- Waukesha
- Worthington

### Recommended for two-stroke engines made by:

- Ajax
- Clark-Dresser
- Fairbanks-Morse/MEP
- Worthington

Valvoline Premium Blue™ GEO LA SAE 15W-40 is recommended for use in stationary natural gas engines requiring good low temperature startup performance. Please refer to user's manual for proper viscosity grade.

Typical Properties	SAE 40	SAE 15W-40
Gravity, degree API	29.5	30.2
Specific Gravity	0.879	0.875
Viscosity @ 40° C, cSt	131.64	118.2
Viscosity @ 100° C, cSt	14.03	15.6
Viscosity Index	103	138
Zinc, ppm	300	300
Phosphorus, ppm	280	280
Calcium, ppm	1200	1200
Pour Point, °C	-36	-36
Flash Point, COC, °C	266	230
Total Base Number (D-2896)	5.1	5.1
Sulfated Ash, Wt. %	0.45	0.45
<b>Part Numbers</b>		
Bulk	VV705230	840276
55 Gallon Drum	VV70523	840470

Endorsed and Recommended by Cummins Inc.



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

This information only applies to products manufactured in the following location(s): North America.

Effective Date:	Expiration Date:	Replaces:	Author's Initials:	Code
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**ASHLAND**