

PRODUCT INFORMATION



Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 142/03

Premium Blue™ GEO LA - ES

Valvoline™ Premium Blue™ GEO LA - ES is a superior low ash SAE 40 engine oil recommended for use in stationary high output, highly turbocharged, spark ignited natural gas engines. It is formulated with premium quality paraffinic base oils and additive components to provide outstanding extended drain capability in gaseous fueled engines. The ash content of the oil is optimized to reduce spark plug fouling and forming of combustion chamber “hot-spots” that can lead to increased valve guttering, pre-ignition and knock.

Valvoline Premium Blue GEO LA-ES is **approved by Cummins¹** for use in **QSV81G, QSV91G, and QSK60G** Series engines. It is formulated to meet the requirements of Cummins roller-follower natural gas engines in stationary service. It is also approved for use in **Waukesha Cogeneration** engines. For other engines, please refer to engine manufacturer’s specifications and oil testing requirements.

¹Please refer to Cummins QuickServe Online and the QSV91G and QSK60G O&M manuals for recommended engine oil drain interval. Always follow Cummins used oil testing guidelines.

O.E.M. Approvals	Recommended for four-stroke engines:
CES 14615 for Cummins	Caterpillar
QSV81G / QSV91G engine series	MWM (Deutz)
QSK60G engine series	Dresser-Rand (Categories I, II, III)
Waukesha Cogeneration engines	GE Jenbacher
	Superior
	Wärtsilä
	Waukesha

Features & Benefits

THE ONLY ONE™

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

Reduced ash content

Ash content of the oil is optimized to reduce spark plug fouling, pre-ignition and forming of combustion chamber “hot-spots” that can lead to valve guttering, pre-ignition and knock.

Superior Engine protection

State-of-the-art formulation technology providing excellent wear protection, engine cleanliness and oxidation and nitration control.

Long Life

Extended drain interval by excellent TBN retention, nitration and oxidation control. The control of viscosity increase and acidic content increase in the oil leads to longer oil life.

Extended Service Interval

Recommended for extended oil drain intervals with supporting oil analysis as proven in severe engine testing.

Cummins endorsed

Specially developed, approved and endorsed by Cummins for QSV81/91G and QSK60G series engines. Formulated to meet the requirements of Cummins’ CES 14615 Engine Oil Specification.

Applications

Low ash engine oil recommended for use in stationary high output, highly turbocharged, spark ignited natural gas engines.



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Keeping the world moving since 1866™

Serving more than 100 countries around the globe, Valvoline is a leading marketer, distributor and 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 GEO LA - ES	
SAE Viscosity Grade	40
Viscosity, mm ² /s @ 100 °C. ASTM D-445	13,5
Viscosity, mm ² /s @ 40 °C. ASTM D-445	122
Viscosity Index ASTM D-2270	106
TBN, mg KOH/g ASTM D-2896	4,4
Pour Point, °C ASTM D-5949	-33
Specific Gravity @ 15.6°C. ASTM D-4052	0,873
Flash Point, COC, °C. ASTM D-92	220
Sulphated Ash, wt %	0,50

This information only applies to products manufactured in the following location(s): Europe

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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 – 142/02

