



Product Information

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Lubricants - Engine Oil – Heavy Duty Engine Oils

Version: 119/04

Premium Blue™ GEO-LA Engine Oil SAE 40

Premium conventional heavy-duty engine oil designed to provide advanced performance in stationary high output, highly turbocharged, spark ignited Cummins natural gas engines.

Premium Blue GEO-LA SAE 40 is a premium conventional, low ash engine oil endorsed by **Cummins** and formulated with premium quality paraffinic base stocks and additive components to provide outstanding lubrication of **gaseous fueled engines**. This product is approved by **Cummins** for use in Cummins QSV 81/91 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 **Dresser-Rand** Category III, **Caterpillar** natural gas engines and **Waukesha** Co-Generation requirements. For other engines please refer to engine manufacturer specifications.

Approvals/Performance levels

SAE 40
API CD
Cummins QSV 81/91 series
Cummins QSK 45G, 60G, 81G, 91G
Caterpillar
Deutz TR 0199-99-2105 group D
Dresser-Rand
Waukesha

Applications

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

Specially developed for Cummins QSV 81/91 series engines.

Features and Benefits

Reduced ash content

Ash content of the oil is minimized to reduce spark plug fouling and forming of combustion chamber “hot-spots” that can lead to increased NOx formation and detonation.

Valve recession protection

Low oil consumption and piston deposit control as well as advanced oxidation control.

Superior nitration control

Excellent NSCR catalyst compatibility for enhanced protection from corrosion.

Cummins endorsed

Specially developed, approved and endorsed by **Cummins** for QSV81/91 series engines. Formulated to meet the requirements of Cummins roller-follower natural gas engines.



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Health and Safety

This product is not likely to present any significant health or safety hazards when used correctly in the right application. A Safety Data Sheet (SDS) is available on request via your local sales office or via the internet @ <http://msds.ashland.com>

Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

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 SAE 40	
SAE Viscosity Grade	40
Viscosity, mm ² /s @ 100 °C. ASTM D-445	13,6
Viscosity, mm ² /s @ 40 °C. ASTM D-445	121
Viscosity Index ASTM D-2270	109
TBN, mg KOH/g ASTM D-2896	5,36
Pour Point, °C ASTM D-5950	-36
Specific Gravity @ 15.6°C. ASTM D-4052	0,874
Flash Point, COC, °C. ASTM D-92	>200
Sulphated Ash, wt %	0,43

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 including MaxLife™, the first motor oil specifically formulated for higher-mileage vehicles; 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.valvolineurope.com

Author:

AdG

Replaces – 119/03

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

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