

Product Information



Lubricants - Engine Oil – Heavy Duty Engine Oils

Version: 119/02

Premium Blue™ GEO-LA Engine Oil SAE 40

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

Premium Blue GEO-LA SAE 40 is a low ash engine oil formulated with premium quality paraffinic basestocks 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, **Waukesha** and **Jenbacher**.

Approvals/Performance levels

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

Applications

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

Product Information



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, mm²/s @ 100 °C. ASTM D-445	13,6
Viscosity, mm²/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	0,875
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; transmission fluids; car care products; 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.valvoline.pk

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