



Product Information

A PRODUCT OF ASHLAND CONSUMER MARKETS, A COMMERCIAL UNIT OF ASHLAND INC.



Lubricants - Engine Oil – Heavy Duty Engine Oils

Version: 120/03

Premium Blue™ GEO-MA SAE 40 Motor Oil (new)

Premium conventional heavy-duty engine oil provides advanced lubricant performance in stationary Cummins engines running on gas that may contain corrosive components.

Premium Blue GEO-MA Motor Oil (new) is endorsed by **Cummins** and keeps the engine clean while protecting against corrosion and wear. The lubricant has the ability to neutralize acids and resist oxidation and nitration, which helps prevent oil thickening. Premium Blue GEO-MA (new) is a premium conventional, high quality mineral motor oil with an advanced and renewed additive system for longer engine life and longer drain periods. NOTE: *Bio gas* or *Sewer gas* often fluctuates in quality and sulphur content -- which can have a negative effect on the lifetime of the engine oil. OEM prescriptions should be checked before use.

Approvals/Performance levels

SAE 40
API CF
Cummins QSK 60G Engines (Multi and single turbocharger models)

Premium Blue GEO-MA 40 (new) is developed for engines requiring a medium ash engine oil. It is suitable for use with sour gases like landfill and sewage gas.

Applications

Medium ash motor oil for stationary engines running on gases that may contain corrosive components.

Premium Blue GEO-MA SAE 40 (new) is recommended and approved by Cummins for use in the QSK60G model engines running on gas that may contain corrosive components.

Oil is suitable for longer drain periods.
LongLife Fluid

Features and Benefits

Wear protection

Strong oil film protects engine against wear and corrosion. The product helps prolong the life of the valves in engines running on medium ash engine oil. It shows an excellent resistance against valve recession.

Engine cleanliness

Advanced additives prevent oil thickening and promote longer engine life and long efficient engine operation. Excellent detergent/dispersant properties keep the engine clean by controlling deposits, with that avoiding wear in pistons and sleeves.

Improved Low Temperature performance

Valvoline Premium Blue GEO-MA 40 (new) provides increased oil flow to engine components for better lubrication at cold start-ups.

Breakdown resistance

Superior resistance against oxidation and nitration, resulting in a longer lasting engine oil. Increased ability to neutralize acids and stabilize the viscosity, increases the oil- and engine life.

LongLife Fluid

The new additive system lasts longer, even under worse circumstances, therefore the oil has the ability to protect the engine during a longer oil drain period.

Lower oil consumption

Valvoline Premium Blue GEO-MA 40 (new) has a high detergency power, a stable oil viscosity, a low oil volatility and is thermally stable, with that it avoids high oil consumption.

TBN retention

Science in the world is making progress, also oil additive science; by using the latest and most modern additive system, the TBN of this product can be lower, whilst the product can still handle extra long-drain oil refreshment periods.

In laboratory and field tests Valvoline Premium Blue GEO-MA 40 (new) showed an excellent TBN retention, excellent piston cleanliness, wear performance, and oxidation and nitration control.



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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 Material and Safety Data Sheet (MSDS) 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.

<i>Typical values; variations</i>	<i>may occur</i>
SAE Viscosity Grade	40
Viscosity , mm ² /s @ 100 °C. ASTM D-445	14,2
Viscosity , mm ² /s @ 40 °C. ASTM D-445	129
Viscosity Index ASTM D-2270	108
TBN , mg KOH/g ASTM D-2896	6,1
Pour Point , °C ASTM D-5950	-36
Specific Gravity @ 15.6°C. ASTM D-4052	0,875
Flash Point , COC, °C. ASTM D-92	>230
Sulphated Ash , wt %	0,7

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

People Who Know Use Valvoline™

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.valvolineeurope.com

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