

Product Information

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Lubricants - Engine Oil - Heavy Duty Engine Oils

Version: 126/02

Valvoline™ GEO Plus LA Engine Oil SAE 40

High-performance lubricant developed to meet the demands of the latest stationary high output, highly turbocharged, spark ignited natural gas engines fueled with biogas, landfill gas and other renewable gases.

Valvoline GEO Plus LA Engine Oil SAE 40 is premium conventional oil formulated with premium quality base oils and a high-performance additive system to provide outstanding lubrication of gaseous-fueled engines. The low ash content of the oil is minimized to reduce sparkplug fouling and forming of combustion chamber “hot-spots” that can lead to increased nitrogen oxides (NOx) formation and detonation.

Approvals/Performance levels

SAE 40

GE Jenbacher type 2, 3, 4 and 6

Applications

Suitable for stationary high output, highly turbocharged, spark ignited bio gas engines. Approved by Jenbacher for use in GE Jenbacher type 2, 3, 4 and 6 series engines. Recommended for use in natural gas engines running on biogas (Class B), landfill gas (Class C) or digester gas applications. Field tested in high Brake Mean Effective Pressure (BMEP) type engines operating in severe landfill gas service. For other engines please refer to engine manufacturer's specifications.

Features and Benefits

Superior protection

Extends engine life by minimizing cylinder liner scuffing. Valvoline GEO Plus LA 40 prevents engine wear caused by scuffing which leads to excessive blow-by and oil consumption.

Extends drains

Longer drain intervals help maximize productivity and reduce operating costs over the engine life.

Optimized Ash level

Low ash content help minimize deposit build-up in combustion chamber, valves and pistons.

Wear protection

Latest detergent chemistry helps reduce engine wear by keeping engine components clean,

Strong Oxidation and Nitration control

Provides excellent protection against the corrosive Effects of acids.

Excellent TBN retention

Next-generation formulation provides strong base retention while maintaining its ability to neutralize acids.

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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.

SAE Viscosity Grade	40
Viscosity, mm²/s @ 100 °C. ASTM D-445	13,8
Viscosity, mm²/s @ 40 °C. ASTM D-445	127,8
Viscosity Index ASTM D-2270	105
TBN, mg KOH/g ASTM D-2896	4,5
Pour Point, °C ASTM D-5950	-30
Specific Gravity @ 15.6°C. ASTM D-4052	0,882
Flash Point, PMCC, °C. ASTM D-93	238
Sulphated Ash, wt %	0,55

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

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

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