

PRODUCT INFORMATION



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 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

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.

GEO Plus LA Engine Oil SAE 40 ADVANTAGES

- **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.

PERFORMANCE LEVEL

GE Jenbacher type 2, 3, 4 and 6

Typical properties:

Typical Properties characteristics are based on current production. Whilst future will confirm to Valvoline specification, variations in these characteristics may occur.

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Typical Characteristics	
SAE Viscosity Grade	40
Viscosity, mm ² /s @ 100 °C. ASTM D-445	13.8
Viscosity, mm ² /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 product is not likely to present any significant health or safety hazards when properly used in recommended application and good standards of personal hygiene are maintained. Reference is made to Safety Data Sheet (SDS) which is available on request via your local technical or sales representative.

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

Effective Date

Oct 2020

Author

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