

# PETRONAS GEO BLG SERIES

## Premium Performance Bio and Landfill Gas Engine Oil

PETRONAS Geo BLG Series is a premium performance bio and landfill gas engine oil specially developed for bio and landfill applications.

Formulated with the highest quality selected mineral base oils enhanced with advanced anti-wear, anti-oxidant, detergent, dispersant, anti-rust and anti-foam additives, PETRONAS Geo BLG oil provides excellent anti-wear protection, excellent TBN retention, reduced combustion chamber deposits, low oil consumption and extra protection against landfill gas\*.

PETRONAS Geo BLG Series meet or exceed key OEM requirements.

\*Landfill gases are essentially composed of methane and contain a lot of impurities like halogens, siloxane and sulphur, which can harm gas engines.

### Applications

PETRONAS Geo BLG Series oil is recommended for use in:

- landfill gas engines containing moderate levels of halogens, siloxanes and sulphur
- spark ignited four-stroke cycle gas engines where low oil consumption is required
- high output landfill gas engines operating at or in excess of rated capacity under high temperatures

### Features and Benefits

Features	Benefits
High resistance to sludging	High piston and engine cleanliness for long, efficient operation and reduced overhaul costs
Excellent anti-wear and anti-scuff protection	Protects engine from excessive wear and scuffing, providing long equipment life
Excellent detergent and dispersant performance	Protects valve train components, reduces ash and carbon deposits in combustion chambers and neutralizes formation of acids in the oil
High oxidation and nitration stability	High oxidation and nitration which minimizes oil thickening particularly under liner air/fuel ratios and resist oil filter blockage
High rust & corrosion protection	Inhibits the corrosion process that occurs in presence of acid formation, improving engine life
High foam stability	High efficiency in avoiding foam formation

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### Typical Properties

Characteristic	Method	Specification	SAE 40
Specific Gravity @15°C	ASTM D 4052	(1)	0,874
Kinematic Viscosity at 40°C, cSt	ASTM D 445	(1)	119,30
Kinematic Viscosity at 100°C, cSt	ASTM D 445	(1)	13,31
Viscosity Index	ASTM D 2270	(1)	107
Flash Point, °C	ASTM D 92	(1)	270
Pour Point, °C	ASTM D 97	(1)	-33
TAN, mgKOH/g	ASTM D 664	(1)	0,96
TBN, mgKOH/g	ASTM D2896	(1)	4,51
Sulphated Ash, %	ASTM D874	(1)	0,50
Foam Sequence I, mL	ASTM D 892	(1)	0/0

All technical data is provided for reference only / (1): not required in specification / SS is available upon request including quality control limits

### Performance Levels

- GE Jenbacher Class B & C gases, Type 2, 3, 4 and 6 engines
- Waukesha
- MAN (M3271-4)

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### Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

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