

PETRONAS GEO NG SERIES

Premium Performance Natural Gas Engine Oils

PETRONAS Geo NG Series are premium performance natural gas engine oils specially developed for the lubrication of a wide range of spark-ignited gas-fuelled engines in order to improve fuel-efficiency and reduce emissions.

Formulated with high quality selected mineral base oils enhanced with advanced anti-wear, anti-oxidant, detergent, dispersant, anti-rust and anti-foam additives, PETRONAS Geo NG oils provide excellent piston deposit, sludge and ash control, excellent TBN retention and thermal stability as well as resistance to oxidation/nitration.

PETRONAS Geo NG Series meet or exceed key OEM requirements.

Applications

PETRONAS Geo NG Series are recommended for use in:

- medium to high speed four-cycle engines requiring a low ash oil
- engines experiencing valve face and seat wear
- lean-burn and stoichiometric four-cycle engines
- engines equipped with catalytic converters
- applications using alternate fuels containing low levels of sulfur or chlorine

Features and Benefits

Features	Benefits
Excellent resistance to sludging	Excellent piston and engine cleanliness for long, efficient operation and reduced overhaul costs
High anti-wear and anti-scuff protection	Protects engine from excessive wear and scuffing, providing long engine life
Excellent detergent and dispersant performance	Protects valve train components, reduces ash and carbon deposits on pistons and combustion chambers
Excellent oxidation and nitration stability	Excellent oxidation and nitration resistance minimize oil thickening particularly under liner air/fuel and maintains oil filter efficiency
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)	0,876
Kinematic Viscosity at 40°C, cSt	ASTM D 445	(1)	121,80
Kinematic Viscosity at 100°C, cSt	ASTM D 445	(1)	13,48
Viscosity Index	ASTM D 2270	(1)	106
Flash Point, °C	ASTM D 92	(1)	270
Pour Point, °C	ASTM D 97	(1)	-30
TAN, mgKOH/g	ASTM D 664	(1)	0,42
TBN, mgKOH/g	ASTM D2896	(1)	5,38
Sulphated Ash, %	ASTM D874	(1)	0,48
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

- Caterpillar 3500 and 3600 series
- GE Jenbacher Class A & B gases, Type 2, 3, 4 and 6 engines
- Guascor
- MAN
- MTU
- MWM TR-0199-99-2015
- Wartsila
- Waukesha

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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

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