

PN Blue Engine S1 Gas Engine Oil

Product reference: GYYY-41

Grade 40 engine lubricant for gas engine applications.

PN Blue Engine S1 Gas Engine Oil

Product name

PN Blue Engine S1 Gas Engine Oil

Viscosity grade

40

Product overview

PetroNexus Blue Engine S1 is a high-performance stationary gas-engine lubricant designed specifically for stationary gas engines requiring low-ash lubricants. These engines operate under high loads and are highly sensitive to valve recession. They require specially formulated lubricants with strong nitration and oxidation resistance, particularly under stoichiometric and lean-burn operating conditions. PetroNexus Blue Engine A1 Gas Engine Oil is blended from deeply hydrotreated base oils and specially selected additives to provide outstanding protection under these conditions and help extend drain intervals.

Performance

1. Specially selected detergents and dispersants prevent deposits and keep engine components clean.
2. Outstanding oxidation and nitration resistance, together with resistance to lubricant thickening, help extend drain intervals.
3. Advanced antiwear additives effectively protect engine components operating under severe conditions.
4. An improved formulation maintains total base number stability, while enhanced corrosion inhibitors provide protection under extremely corrosive conditions.
5. A low-ash formulation is specifically designed to reduce combustion-chamber deposits, valve burning, spark-plug fouling and cylinder-liner scuffing.
6. Low phosphorus content helps ensure the service life of catalytic-converter systems.

Applications

- Recommended for high-output two-stroke and four-stroke stationary natural-gas engines requiring low-ash lubricants.
- Stationary gas engines operating under lean-burn conditions and stationary gas engines equipped with catalytic-converter systems. Note: applications involving high CFC levels or acidic gases may require lubricants with a higher base-number reserve.

Packaging

170 kg drums; 1-tonne IBC containers.

Unsuitable applications

- Not for automotive gasoline or diesel engines. Not suitable for highly acidic biogas applications with high CFC levels; select a high-TBN gas-engine oil for those conditions. Do not use as gear oil or hydraulic oil.

For grade selection, technical requirements, packaging and commercial terms, contact sales@petronexusgroup.com.

Product visual and technical data



PETRONEXUS
POWERING A CLEANER
MORE RELIABLE TOMORROW

Lanqing S1

**Low-Ash Stationary
Gas Engine Oil**

High-Performance Low-Ash
Stationary Natural Gas Engine Oil

SAE 40

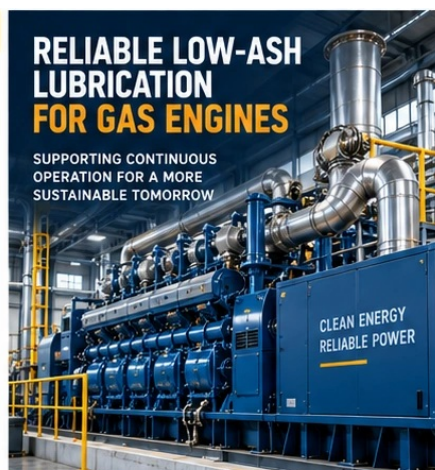
 **ENGINE CLEANLINESS**
 **OXIDATION STABILITY**
 **ANTI-WEAR PROTECTION**
 **LOW ASH FORMULATION**

PRODUCT PERFORMANCE

-  Specially Selected Detergent and Dispersant Additives
-  Excellent Oxidation and Nitration Resistance with Effective Oil Thickening Control
-  Advanced Anti-Wear Additive Technology
-  Improved Total Base Number (TBN) Retention
-  Low-Ash Formulation
-  Low Phosphorus Content

RELIABLE LOW-ASH LUBRICATION FOR GAS ENGINES

SUPPORTING CONTINUOUS OPERATION FOR A MORE SUSTAINABLE TOMORROW



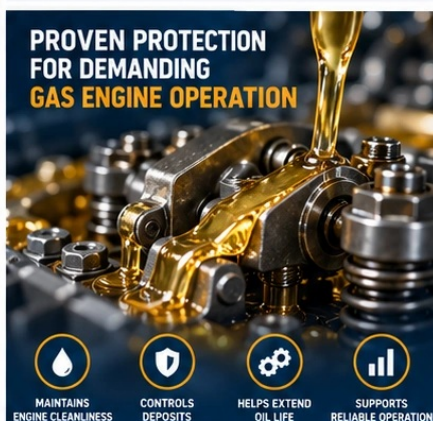
PRODUCT DESCRIPTION

Lanqing S1 is a high-performance stationary gas engine oil specially developed for stationary natural gas engines requiring low-ash lubricants. Formulated with severely hydrotreated base oils and carefully selected additives, it provides reliable lubrication and engine protection under demanding operating conditions.

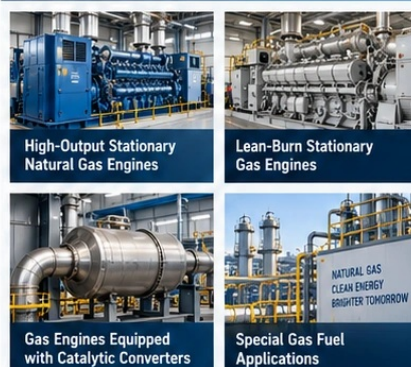
Special detergent and dispersant additives help maintain engine cleanliness and control deposits. Excellent oxidation and nitration resistance helps minimize lubricant degradation and viscosity increase, while advanced anti-wear additives protect critical engine components. The formulation supports improved TBN retention and features low ash and low phosphorus content for compatible stationary gas engines, including lean-burn engines and engines equipped with catalytic converter systems.

**ENGINE PROTECTION
FOR A CLEANER ENERGY FUTURE**

PROVEN PROTECTION FOR DEMANDING GAS ENGINE OPERATION



APPLICATIONS



TYPICAL DATA

SAE Viscosity Grade		40
Test Item	Test Method	Typical Data
Kinematic Viscosity @100°C, cSt	ASTM D445	15.1
Viscosity Index	ASTM D2270	100
Flash Point, °C	ASTM D92	244
Pour Point, °C	ASTM D97	-20
Total Base Number, mg KOH/g	ASTM D2896	5.35
Density @20°C, kg/l	ASTM D1298	0.875
Sulfated Ash, wt%	ASTM D874	0.5
Phosphorus Content, wt%	ASTM D4047	0.028

The above data are typical values of the current product.

AVAILABLE PACKAGING



FLEXIBLE SUPPLY FOR YOUR OPERATIONAL NEEDS



PETRONEXUS

LUBRICATION SOLUTIONS
FOR A CLEANER, MORE
PRODUCTIVE WORLD

CLEANER ENERGY | **RELIABLE OPERATION** | **A STRONGER TOMORROW**