

**DESCRIPTION**

**Longlife Ashless Natural Gas Engine Oil** is a premium, high-performance lubricant engineered for low-, medium-, and high-speed natural gas engines requiring ashless formulations. Formulated with high-stability base stocks and an advanced additive system, this SAE-grade oil delivers superior dispersancy, thermal stability, and anti-wear protection across diverse engine types and operating conditions. Ideal for power generation and industrial applications, it ensures reliable performance worldwide. The ashless dispersant technology, paired with oxidation, corrosion, and anti-scuff additives, maintains exceptional engine cleanliness by controlling carbon and ash deposits. It minimizes valve recession, spark plug fouling, and pre-ignition risks while protecting against piston wear, liner scuffing, and varnish buildup. The oil provides robust anti-wear performance for bearings, valve trains, and critical components, enhancing engine durability. With high chemical and thermal stability, **Longlife Ashless Natural Gas Engine Oil** promotes cleaner engines, extended drain intervals, and prolonged filter life, optimizing efficiency and reducing maintenance costs in natural gas-fueled power generation systems.

**APPLICATIONS**

**Longlife Ashless Natural Gas Engine Oil** is formulated for:

- Two-stroke and select naturally aspirated four-stroke natural gas engines from specified manufacturers
- Low- and medium-speed engines requiring ashless oils
- Power generation systems using cost-effective natural gas fuels

**SPECIFICATIONS & RECOMMENDATIONS**

- Ajax
- Dresser-Rand (Categories I and II)
- Clark-Dresser
- Fairbanks/Morse MEP
- Caterpillar\*
- Waukesha VR and Intermediate
- Cooper-Bessemer
- Worthington

\*This product is not suitable for some engines, such as Caterpillar 3400, 3500, 3600. Please refer to the engine manufacturer's recommendation for the correct oil choice.

**ADVANTAGES & BENEFITS**

- **Exceptional Cleanliness:** Ashless dispersants eliminate deposits and fouling, ensuring clean pistons, ports, valves, and spark plugs.
- **Thermal & Chemical Stability:** Performs reliably in high-temperature conditions, reducing valve recession and pre-ignition risks.
- **Advanced Wear Protection:** Minimizes scuffing and wear on pistons, liners, bearings, and valve trains for extended durability.
- **Corrosion Resistance:** Protects against rust in diverse environments, enhancing component longevity.
- **Extended Service Intervals:** Supports longer oil and filter life, reducing maintenance costs and downtime.
- **Broad Compatibility:** Reliable across various natural gas-fueled engine designs and power generation systems.
- **Cost Efficiency:** Lowers total cost of ownership through reduced maintenance and enhanced uptime.
- **Oxidation & Nitration Resistance:** Maintains lubricant integrity, extending oil life under high-stress conditions.

**HEALTH & SAFETY**

This product is not anticipated to pose any adverse health risks when used as intended.

For additional details, refer to separate Safety Data Sheets, available upon request.


**TECHNICAL DATA/TECHNICAL PROPERTIES**

PROPERTIES	SAE GRADE	
	30	40
Viscosity @ 100 °C, cSt	9.3 – 12.5	12.5 – 16.3
Viscosity Index	107	100
Pour Point, °C(°F)	-36 (-32.8)	-33 (-27.4)
Flash Point, °C(°F)	>220 (428)	>220 (428)
Sulfated Ash. Wt%	<0.1	<0.1
TBN, mg KOH/g	1.0	1.0
Product Code	LLANGE030	LLANGE040

\*All properties are typical and may vary.

Always adhere to the manufacturer's guidelines for the correct equipment fluid. Lubchem Specialties is not liable for any misuse of the product or improper application.