

**DESCRIPTION**

**Longlife Low Ash Natural Gas Engine Oil** is a premium lubricant engineered for continuous-duty natural gas engines, ensuring reliability across diverse industrial applications. Its advanced ashless dispersants, detergents, and additives provide exceptional durability, resisting thermal breakdown for extended service intervals and reduced maintenance costs. The oil offers robust protection against wear, corrosion, oxidation, and nitration, preserving engine components in high-temperature, high-load conditions. Compatible with low- and high-sulfur natural gas, it performs consistently across varying fuel qualities. Suitable for both modern high-output engines and legacy systems, it exceeds stringent industry performance standards. The low-ash formula prevents sludge and deposit buildup, maintaining engine cleanliness and supporting emissions compliance. It protects catalytic converters and aftertreatment systems, enhancing overall efficiency. Ideal for heavy-duty use, this oil maximizes engine longevity and minimizes downtime in challenging environments.

**APPLICATIONS**

**Longlife Low Ash Natural Gas Engine Oil** is formulated for 4-stroke, spark-ignition engines requiring low ash oil and running on natural gas fuel.

- Not suitable for medium ash or ashless applications.
- Engines using sour gas (high sulfur) may need oils with higher TBN ratings.

**SPECIFICATIONS & RECOMMENDATIONS**

- Caterpillar
- Dresser-Rand Cat I, II, III (SAE 30)
- Cooper-Bessemer
- GE Jenbacher
- Cooper-Superior
- Wartsila
- Detroit Diesel
- Waukesha, Deutz
- Worthington
- Delaval Enterprises.

**ADVANTAGES & BENEFITS**

- **Optimized Performance:** Engineered for natural gas engines, providing superior lubrication across late-model and legacy systems for reliable, versatile operation.
- **Enhanced Efficiency:** Advanced soot management, thermal/oxidative stability, and resistance to sludge, varnish, nitration, and oxidation ensure cleaner engines and sustained oil quality under extreme conditions.
- **Comprehensive Wear Protection:** Robust anti-wear/anti-scuff properties and optimal start-up performance minimize damage to pistons, rings, liners, valves, and bearings for enhanced durability.
- **Superior Corrosion Control:** Extended TBN reserves and acid neutralization protect critical metal surfaces from corrosion and acid formation.
- **Low-Temperature Performance:** Excellent fluidity ensures reliable cold-weather start-up and lubrication.
- **Cost-Saving Longevity:** Low ash/phosphorus formula, water tolerance, and extended drain intervals reduce maintenance frequency.
- **Deposit & Pre-Ignition Control:** Advanced detergents prevent deposit buildup, maintaining viscosity, wear rates, and engine integrity for maximum efficiency.

**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	109	97
Pour Point, °C(°F)	-36 (-32.8)	-33 (-27.4)
Flash Point, °C(°F)	>220 (428)	>220 (428)
Sulfated Ash, Wt%	<0.50	<0.50
Calcium, Wt%	0.12	0.12
Zinc, ppm	313	313
Phosphorus, ppm	272	272
TBN, mg KOH/g	> 5	> 5
Product Code	LLNGEO30	LLNGEO40

\*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.