Product Information

Monolec® Natural Gas Engine Oil (8945)

Straight-Grade, Low-Ash Oil Provides Long-Lasting Protection for Natural Gas Engines

Monolec® Natural Gas Engine Oil (8945) is a high-performance, long-drain, straight-grade, low-ash oil formulated specifically to provide superior deposit control and outstanding wear protection for natural gas engines. Its high-performance base fluids, salicylate additive chemistry and Monolec, LE's exclusive wear-reducing additive, work together to reduce friction, minimize wear, remove heat and keep engine components clean.

Proven in various engine types under severe operating conditions, this long-life oil supports extended drain intervals and dependable engine protection.



Beneficial Qualities

Protection

- Keeps engines clean with efficient detergent and dispersant additives
- Minimizes deposits and valve seat recession
- Provides outstanding wear protection with Monolec and other wear-reducing additives

Performance

- Provides excellent oxidation stability
- Resists nitration to help prevent premature oil breakdown
- Supports extended drain intervals when used with an oil analysis program

Cost Savings

- Reduces oil consumption over time

Proprietary Additive

LE's proprietary additives are used exclusively in LE lubricants. Monolec® Natural Gas Engine Oil contains Monolec.

Monolec® wear-reducing additive creates a single molecular lubricating film on metal surfaces, vastly increasing oil film strength without affecting clearances. An invaluable component in LE's engine oils, industrial oils and many of its other lubricants, Monolec allows opposing surfaces to slide by one another, greatly reducing friction, heat and wear.

Technical Data

Monolec® Natural Gas Engine Oil

	8945
Color	Red
SAE Grade	40
Relative Density @ 60°F/60°F, ASTM D1298	0.886
Viscosity @ 100°C, cSt, ASTM D445	13.78
Viscosity @ 40°C, cSt, ASTM D445	129.6
Viscosity Index ASTM D2270	95
Viscosity-HTHS @ 150°C, cP, ASTM D4683	≥2.900
Flash Point °C (°F), (COC), ASTM D92	255 (491)
Pour Point °C (°F), ASTM D97	-18 (0)
Copper Corrosion 3 hrs @ 100°C, ASTM D130	1a
Ash—Sulfated %, ASTM D874	0.47
Acid Number mg KOH/g, ASTM D664	2.94
Base Number ASTM D2896	4.99

Performance Requirements Met or Exceeded

- Ajax
- Bessemer
- Caterpillar (3600)
- Clark
- Cooper
- Cummins
- Detroit
- Guascor
- Ingersoll
- Jenbacher
- Superior
- Wartsila
- White

Typical Applications

- Stationary gas engines used for power generation or natural gas pumping operations
- Sparkplug-ignited engines with operating ranges up to 3,000 hp
- Mobile applications such as buses with converted Cummins or Detroit diesel engines using CNG, LNG or propane

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