



## Monolec® Natural Gas Engine Oil (8845)

**Multigrade Viscosity, Low-Ash Oil Provides Long-Lasting, All-Weather Protection for Natural Gas Engines**

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Formulated for use in stationary and mobile natural gas engines, Monolec® Natural Gas Engine Oil (8845) is made from a synergistic blend of high-performance base fluids, salicylate detergent chemistry and superior wear-reducing additives. The resulting low-ash, engine-cleaning blend provides the perfect long-lasting wear protection without the accumulation of heavy deposits.

Monolec 8845 is a proven multigrade performer in various engine makes and models, even under severe operating conditions. It can be used with sparkplug-ignited engines, including mobile applications such as buses with converted Cummins and Detroit diesel engines.



Cummins natural gas engine powered by coal bed methane

### Beneficial Qualities

#### Protection

- Protects valve train, cylinders, rings & other engine components
  - o Decreases friction
  - o Removes heat
  - o Resists wear
- Minimizes valve seat recession & guttering
- Keeps engine clean

#### Performance

- Performs reliably under a wide temperature range
- Provides superior oxidation stability
- Resists nitration
- Ensures long oil life

#### Cost Savings

- Reduces oil consumption
- Reduces need for used oil disposal
- Saves on maintenance and replacement costs

### Proprietary Additives

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.



## Monolec® Natural Gas Engine Oil

**8845**

<b>Color</b>	Red
<b>ISO VG / SAE Grade</b>	15W-40
<b>Relative Density @ 60°F/60°F, ASTM D1298</b>	0.871
<b>Viscosity @ 100°C, cSt, ASTM D445</b>	14.27
<b>Viscosity @ 40°C, cSt, ASTM D445</b>	109.53
<b>Viscosity Index ASTM D2270</b>	132
<b>Viscosity-HTHS @ 150°C, cP, ASTM D4683</b>	4.5
<b>Flash Point °C (°F), (COC), ASTM D92</b>	230 (446)
<b>Pour Point °C (°F), ASTM D97</b>	-27 (-17)
<b>Copper Corrosion 3 hrs @ 100°C, ASTM D130</b>	1b
<b>Ash—Sulfated %, ASTM D874</b>	0.44
<b>Acid Number mg KOH/g, ASTM D664</b>	2.94
<b>Base Number ASTM D2896</b>	5.03

### Performance Requirements Met or Exceeded

- API CF
- Caterpillar (3600)
- Ajax
- Bessemer
- Clark
- Cooper
- Cummins CES 20074 (mobile)
- Detroit
- Deutz
- Guascor
- Ingersol
- Jenbacher
- Superior
- Wartsila
- Waukesha
- White

### Typical Applications

- Stationary gas engines used for power generation or natural gas pumping operations
- Sparkplug-ignited engines



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