



CITGO PACEMAKER® GEO LFG LA 40

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DESCRIPTION: CITGO Pacemaker GEO LFG LA 40 is a superior low ash, low phosphorus gas engine oil, designed for high output, 4-cycle natural gas engines operating on landfill and digester gas. As demonstrated in the field, this premium low ash package can significantly extend oil drain intervals, while minimizing the negative effects of ash deposits on sensitive engine components.

- QUALITIES:**
- Specifically designed for high BMEP engines
 - Low ash formula minimizes combustion chamber deposits
 - Specially formulated with modern chemistry to neutralize combustion acids from landfill gas and digester gas
 - Controls deposits and minimizes wear of pistons, rings and liners

APPLICATIONS & APPROVALS: CITGO Pacemaker GEO LFG LA 40 is recommended for a wide range of engines that operate on landfill and digester gas, including engines manufactured by Caterpillar, Waukesha, GE Jenbacher, Deutz and Cummins.

CITGO Pacemaker GEO LFG LA 40 has been approved by GE Jenbacher for use in type 2, 3, 4 and 6 engines (fuel classes B and C) and appears in their Technical Instruction TA 1000-1109.

- BENEFITS:**
- Optimized ash content helps control combustion chamber deposits to maintain the power output of high BMEP engines for reduced maintenance and longer engine life.
 - Exceptional piston, ring and liner wear control
 - Significantly extends drain intervals
 - Excellent base retention
 - Strong corrosion resistance
 - Neutralizes acidic components such as Total Organic Halide as Chloride (TOHCl) and H₂S at moderate levels.

TYPICAL PROPERTIES:**CITGO PACEMAKER® GEO LFG LA 40**

SAE Grade	40
Material Code	632051001
Gravity, ASTM D 4052, °API	29.3
Density, lb/gal at 60°F	7.33
Flash Point, ASTM D 92, COC, °F (°C)	525 (274)
Viscosity, ASTM D 445, cSt at 40°C	123
cSt at 100°C	13.5
Viscosity Index, ASTM D 2270	105
Pour Point, ASTM D 97, °F (°C)	-11 (-24)
Color, ASTM D 1500	L5.0
Carbon Residue, % (base stock)	0.02
Sulfate Ash, ASTM D 874, %	0.55
Total Base No., ASTM D 2896, mg KOH/g	5
Total Acid No., ASTM D 664, mg KOH/g	2.17