

CITGO PACEMAKER® 1440 GAS ENGINE OIL



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DESCRIPTION: CITGO Pacemaker 1440 Gas Engine Oil is a general purpose low ash, low phosphorus gas engine oil with a balanced advanced additive package to meet quality performance and non-selective catalytic converter requirements. The CITGO Pacemaker 1440 Gas Engine Oil delivers a superior level of cleanliness, excellent wear protection and a low ash formula that complies with OEM manufacturers' warranties.

The CITGO Pacemaker 1440 Gas Engine Oil is formulated with the latest generation additives and high quality base stocks to achieve high performance results at an economical cost.

- QUALITIES:**
- Provide excellent oxidation and nitration resistance
 - Excellent anti-wear protection for reduced ring, liner and bearing wear
 - Reduced valve seat reduction
 - Controls deposits on piston, ring grooves, valves and liners

APPLICATIONS: CITGO Pacemaker 1440 Gas Engine Oil is suitable for a wide range of engines operating in natural gas production, field gatherings and pipeline gas, where extended drain intervals are not required. This oil is recommended for high and medium speed 4-cycle engines manufactured by Caterpillar, Waukesha, Superior, Dresser-Rand (Categories I, II and III), as well as low-speed engines manufactured by Cooper-Bessemer and Worthington 4-cycle engines.

- CUSTOMER BENEFITS:**
- Cleaner engine parts
 - Catalytic friendly
 - Reduced valve recession
 - High performance at a reduced cost

TYPICAL PROPERTIES:

CITGO PACEMAKER® 1440 GAS ENGINE OIL

Product Name	1440
SAE Grade	40
Material Code	632040001
Gravity, ASTM D 4052, °API	26.8
Pounds Per Gallon	7.45
Flash Point, ASTM D 92, COC, °F (°C)	511 (266)
Viscosity, ASTM D 445, cSt at 40°C	128.3
Viscosity, cSt at 100°C	13.5
Viscosity Index, ASTM D 2270	100
Pour Point, ASTM D 97, °F (°C)	-5 (-21)
Color, ASTM D 1500	L3.0
Sulfated Ash, ASTM D 874, m%	0.46
Total Base No., ASTM D 2896, mg KOH/g	4.3
Total Acid No., ASTM D 664, mg KOH/g	0.60
Phosphorus, ppm	280