CITGO[®] Pacemaker[®] Gas Engine Oil 800 Series



	 Low ash/low phosphorus stationary natural gas engine oils formulated to provide maximum resistance to oxidation, corrosion, and foaming, and excellent antiwear performance.
FEATURES & BENEFITS	 Premium high viscosity index base stocks with low carbon residue to minimize carbon and varnish formation and maximize oil oxidation life. Contain no bright stock.
	 Promote reduced spark plug deposits. Contain special detergent-dispersant additive package for excellent cleaning action to keep piston rings free in their grooves, thereby extending engine overhaul periods and engine life. Offer excellent resistance to nitration. Contain low phosphorous level; suitable for use with catalytic converter systems. Provide lower oil consumption and reduced maintenance costs. Provide excellent protection against corrosion of vital engine and compressor components.
APPLICATIONS	 Recommended primarily for use in the lubrication of spark-ignited, 4-cycle stationary natural gas engines and compressor cylinders. Recommended for high- and medium-speed naturally aspirated and turbo charged 4-cycle stationary engines manufactured by Caterpillar, Waukesha, Superior, Cooper-Bessemer; Cummins, Dresser-Rand (Categories I, II and III), as well as low-speed engines manufactured by Cooper-Bessemer and Worthington C4-Cycle. Low ash/low phosphorous formulation is suitable for use with catalytic converter systems. Suitable for use in compressor cylinder lubrication.

CITGO Petroleum Corporation Houston, Texas Customer Service Line 1-800-331-4068 LubesCS@CITGO.com Product Answer Line 1-800-248-4684 lubeshelp@CITGO.com

Online at www.CITGOLubes.com

Manufactured in USA

C 10067

PROPERTIES



Typical Properties for CITGO Pacemaker Gas Engine Oil 800 Series:

Product Name	815	830	840
SAE Grade	15W-40	30	40
Material Code	632026001	632027001	632028001
Gravity, ASTM D4052, °API	30.6	29.3	29.3
Pounds Per Gallon	7.27	7.33	7.33
Flash Point, COC, ASTM D92, °F (°C)	446 (230)	446 (241)	511 (266)
Viscosity ASTM D445			
cSt at 40°C	96.7	89.2	125.1
cSt at 100°C	13.4	10.8	13.1
Viscosity Index, ASTM D2270	138	105	99
Pour Point, ASTM D97, °F (°C)	-27 (-33)	-27 (-33)	5 (-15)
Color, ASTM D1500	5.5	5.5	5.5
Carbon Residue, % (base stock)	0.02	0.02	0.02
Sulfated Ash, ASTM D874, m%	0.46	0.46	0.46
Total Acid No., ASTM D664, mg KOH/g	0.60	0.63	0.52
Total Base No., ASTM D2896, mg KOH/g	3.5	3.5	3.5
Phosphorus, ppm	280	280	280

CITGO and Pacemaker are registered trademarks of CITGO Petroleum Corporation. All other registered trademarks or trademarks are the property of their respective owners. Values shown are typical values only and do not constitute a specification. The information contained herein is subject to change without notice.

CITGO Petroleum Corporation Houston, Texas Customer Service Line 1-800-331-4068 LubesCS@CITGO.com Product Answer Line 1-800-248-4684 lubeshelp@CITGO.com

Online at www.CITGOLubes.com

Manufactured in USA