CITGO® Pacemaker® XL-32 Oil



OVERVIEW



• A superior-quality turbine lubricant formulated with a white mineral oil base and an additive system designed for high-temperature and long service life in steam and gas turbine applications.

FEATURES & BENEFITS



- Highly resistant to harmful sludge and varnish formation.
- Fully inhibited against high temperature oxidation, rust and corrosion.
- Excellent water shedding properties.
- Non-silicone foam inhibitor combats excessive foaming and air entrainment.

APPLICATIONS



- Meets the specifications of all major steam turbine generator builders and is widely used by electrical generating utility companies.
- Used where high temperature resistance is required in marine turbines and reduction gears, hydraulic governor and control systems, and low-pressure hydraulic systems operating at less than 1000 psi where exceptionally long service life is required.

CITGO LUBRICANTS

CITGO Pacemaker XL-32 Oil

PROPERTIES



Typical Properties for CITGO Pacemaker XL-32 Oil:

ISO VIS Grade	32
Material Code	633792001
Gravity, ASTM D4052, °API	32.3
Color, ASTM D1500	L1.0
Flash Point, COC, ASTM D92, °F (°C)	380 (193)
Pour Point, ASTM D97, °F (°C)	-25 (-32)
Viscosity, ASTM D445	
cSt at 40°C	32
cSt at 100°C	5.6
Viscosity, ASTM D2161	
SUS at 100°F	151
SUS at 210°F	44
Viscosity Index, ASTM D2270	110
Water Separation at 130°F, ASTM D1401	40-40-0 (15)
Oxidation Stability, ASTM D943, hours	10,000+
Carbon Residue, ASTM D524, m%	<0.05
Total Acid Number, ASTM D664, mgKOH/g	0.20
Rust Test, ASTM D665 ⁽¹⁾ , A,B	Pass
Foam Test, ASTM D892 ⁽²⁾ , Seq. I, II, III	Pass

⁽¹⁾ Procedure A (distilled water) and Procedure B (synthetic sea water).

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^{(2) 50} ml. max. at end of blowing period. No foam after 10 minutes setting.