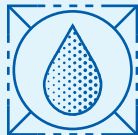




# CITGO® Pacemaker® XL-32 Oil

## OVERVIEW



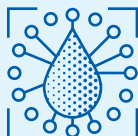
- A superior-quality turbine lubricant formulated with a white mineral oil base and an additive system designed for high-temperature and long service life in steam and gas turbine applications.

## FEATURES & BENEFITS

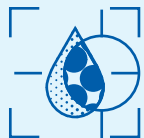


- Highly resistant to harmful sludge and varnish formation.
- Fully inhibited against high temperature oxidation, rust, and corrosion.
- Excellent water shedding properties.
- Non-silicone foam inhibitor combats excessive foaming and air entrainment.

## 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.

**PROPERTIES****Typical Properties for CITGO Pacemaker XL-32 Oil:**

<b>ISO VIS Grade</b>	<b>32</b>
Material Code	633792001
Gravity, ASTM D4052, °API	32.3
Color, ASTM D1500	L1.0
Flash Point, ASTM D92, °F (°C)	380 (193)
Pour Point, ASTM D97, °F (°C)	-25 (-32)
Viscosity:	
ASTM D445, cSt at 40°C	32
ASTM D2161, SUS at 100°F	165
SUS at 210°F	44
Viscosity Index , ASTM D2270	110
Water Separation time, ASTM D1401, minutes at 130°F	15
Oxidation Stability, ASTM D943 Mod., hrs	10,000+
Carbon Residue, ASTM D524, m%	<0.05
Total Acid Number, ASTM D664, mgKOH/g	0.20
Rust Test, B, ASTM D665	No Rust
Foam Test, ASTM D892	Pass

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