



CITGO PACEMAKER® XL-32 OIL

Date 08/11

DESCRIPTION: CITGO Pacemaker XL-32 Oil is 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.

QUALITIES:

CITGO Pacemaker XL-32 Oil is highly resistant to harmful sludge and varnish formation, and fully inhibited against high temperature oxidation, rust and corrosion. It has excellent water shedding properties and due to the stability of the unique white oil base stocks provide exceptionally long service life.

CITGO Pacemaker XL-32 Oil contains a non-silicone foam inhibitor to combat excessive foaming and air entrainment.

APPLICATIONS:

CITGO Pacemaker XL-32 Oil meets the specifications of all major steam turbine generator builders and is widely used by electrical generating utility companies. It is also used where high temperature resistance is required in marine turbines and reduction gears, hydraulic governor and control systems, and is suitable for low pressure hydraulic systems operating at less than 1000 psi where exceptionally long service life is required.

TYPICAL PROPERTIES:**CITGO PACEMAKER® XL-32 OIL**

ISO VIS Grade	32
Material Code	633792001
Gravity, ASTM D 4052, °API	32.3
Color, ASTM D 1500	L1.0
Flash Point, ASTM D 92, °F (°C)	380 (193)
Pour Point, ASTM D 97, °F (°C)	-25 (-32)
Viscosity, ASTM D 445, cSt at 40°C	32
ASTM D 2161, SUS at 100°F	165
SUS at 210°F	44
Viscosity Index, ASTM D 2270	110
Water Separation time, ASTM D 1401, minutes at 130°F	15
Oxidation Stability, ASTM D 943 Mod., hrs	15,000+
Carbon Residue, ASTM D 524, m%	<0.05
Total Acid Number, ASTM D 974, mgKOH/g	0.20
Rust Test, B, ASTM D 665	No Rust
Foam Test, ASTM D 892	Pass