



CITGO PACEMAKER® ST-32

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**DESCRIPTION:** CITGO Pacemaker ST-32 is a synthetic gas turbine lubricant formulated to meet the demands of high output stationary industrial gas turbines. High quality synthetic base oils are blended with carefully selected additives to impart antiwear, high temperature oxidation and corrosion inhibition, as well as rust protection. CITGO Pacemaker ST-32 exhibits exceptional low temperature performance, permitting superior fluidity during cold startups and cold weather operation. It is completely miscible and is compatible with petroleum based lubricants and components.

- QUALITIES:**
- Exceptionally good low temperature fluidity provides reduced wear and lowered power consumption during startup
  - High viscosity index provides excellent temperature/viscosity performance over a wide temperature range
  - High load carrying and antiwear characteristics for longer component life than mineral oil products
  - Compatibility with petroleum based lubricants and system components such as seals, paints, gaskets and hoses

- APPLICATIONS:** CITGO Pacemaker ST-32 meets the specifications of:
- Fives Cincinnati P-38
  - DIN 51515 Part 1
  - DIN 51515 Part 2
  - British Standard BS 489
  - GEK 46506D
  - GEK 32568F
  - Alstom HTGD 90117
  - Solar ES 9-224W
  - Siemens TLV 901304
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**Note: Not intended for aviation applications.**

**TYPICAL PROPERTIES:**

**CITGO PACEMAKER® ST-32**

<b>ISO Viscosity Grade</b>	<b>32</b>
Material Code	632515001
Specific Gravity, 60°/60°F	0.853
Density, lbs/gal	7.10
Viscosity, ASTM D 445, cSt at 40°C	30.5
cSt at 100°C	5.74
Viscosity Index, ASTM D 2270	132
Flash Point, ASTM D 92, °F (°C)	486 (252)
Pour Point, ASTM D 97, °F (°C)	-71 (-57)
Copper Corrosion, ASTM D 130	1A
Rust Protection, ASTM D 665	
DI Water, Proc. A	Pass
Salt Water, Proc. B	Pass
Foaming Tendency, Sequence I, II, III	Pass
Neutralization Number	0.1
Four Ball Wear, ASTM D 4172, 40kg, mm	0.46

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