



# CITGO® Pacemaker® ST-32

## OVERVIEW



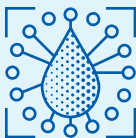
- A synthetic gas turbine lubricant formulated to meet the demands of high-output stationary industrial gas turbines.
- High-quality synthetic base oils and carefully selected additives impart anti-wear properties, high temperature oxidation and corrosion inhibition, and rust protection.
- Exceptional low-temperature performance, with superior fluidity during cold startups and cold weather operation.

## FEATURES & BENEFITS



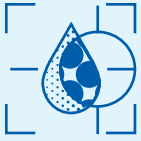
- Exceptionally good low-temperature fluidity provides reduced wear and lowered power consumption during startup.
- High viscosity index provides excellent viscosity performance over a wide temperature range.
- High load-carrying and anti-wear characteristics for longer component life than mineral oil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

## APPLICATIONS



- Recommended for equipment requiring the following specifications:  
 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  
 Siemens TLV 901305

**Note: Not intended for aviation applications.**

**PROPERTIES****Typical Properties for CITGO Pacemaker ST-32:**

<b>ISO Viscosity Grade</b>	<b>32</b>
<b>Material Code</b>	<b>632515001</b>
Specific Gravity, 60°/60°F	0.853
Density, lbs/gal	7.10
Viscosity ASTM D445	
cSt at 40°C	30.5
cSt at 100°C	5.74
Viscosity Index, ASTM D2270	132
Flash Point, ASTM D92, °F (°C)	486 (252)
Pour Point, ASTM D97, °F (°C)	-71 (-57)
Copper Corrosion, ASTM D130	1A
Rust Protection, ASTM D665	
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 D4172, 40kg, mm	0.46

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