Regal® SGT 22

Synthetic Industrial & Marine Gas Turbine Oil

Product description

Regal® SGT 22 is premium performance synthetic industrial and marine gas turbine lubricant designed for use in aero-derivative gas turbines in stationary or marine service.

Regal SGT 22 is formulated with synthetic polyol ester base fluids in combination with an advanced additive design offering high temperature system protection and oxidation resistance.

Customer benefits and product features

Customer benefits

- **Extended service life compared to mineral oils**
  Excellent oxidation and thermal stability of the synthetic polyol ester base fluid and additive system resists oil breakdown under severe, high temperature conditions. The low volatility of the synthetic polyol ester minimizes evaporative losses.

- **Minimum deposit formation**
  Reduced coking tendency of the synthetic polyol ester base fluid and additive system minimizes deposit formation on bearings and other areas exposed to the heat of the hot gases.

- **Good wide temperature range performance**
  Viscosity-temperature characteristics of the synthetic polyol ester provide outstanding low temperature fluidity to facilitate starting at low temperatures, while ensuring that an effective lubricant film is available under the most severe, high temperature conditions to protect critical components against wear.

Product features

- Premium performance, synthetic polyol ester based turbine lubricant for use in aeroderivative gas turbines in stationary and marine service.

- Contains additives to protect against oxidation, corrosion and wear, providing excellent high temperature thermal and oxidation stability.

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Applications

Regal SGT 22 is recommended for aeroderivative gas turbines exposed to severe operating environments in non-aviation applications such as industrial power generation, gas transmission and marine propulsion.

Regal SGT 22 is compatible with other lubricants approved under MIL-PRF-23699G and metals, paints, coatings and elastomers such as Viton, Teflon, fluorosilicone and Buna N (NBR).

Regal SGT 22 is not to be used in aircraft service and is not recommended for gas turbines that require MIL-PRF-23699G, Class C/I (Corrosion Inhibiting) or HTS (High Thermal Stability).

Approvals, performance and recommendations

Regal SGT 22 is approved by:

- General Electric LM Gas Turbine Models
- Rolls-Royce (Allison) Industrial 501-K
- Rolls-Royce Industrial Avon Gas Generators
- Siemens RB211 Gas Turbines
- Siemens SGT-A05
- U.S. Military Specification MIL-PRF-23699G

Regal SGT 22 meets the requirements of:

- General Electric D50TF1 LM 1600 / D50TF1 LM 500 / D50TF1 LM 5000 / D50TF1 LM 6000
- Rolls-Royce (Olympus)
- Rolls-Royce (Spey)
- Rolls-Royce (Tyne)
- Turbomeca MAKILA TL

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Typical test data

REGAL SGT 22	TEST METHODS	RESULTS
Product Code		**520008**
Acid No., mg KOH/g	ASTM D664	0.16
Flash Point, COC, °C	ASTM D92	270
Pour Point, °C	ASTM D97	-40
Viscosity, Kinematic		
mm^2/s @ -40°C	ASTM D445	9727
mm^2/s @ 40°C	ASTM D445	25.6
mm^2/s @ 100°C	ASTM D445	5.12

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ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions, and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Asia-Pacific region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.