Regal® SGT 22

Synthetic Industrial & Marine Gas Turbine Oil

Product Data Sheet

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

- **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.

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.

Not to be used in aircraft service.

Product highlights:

- 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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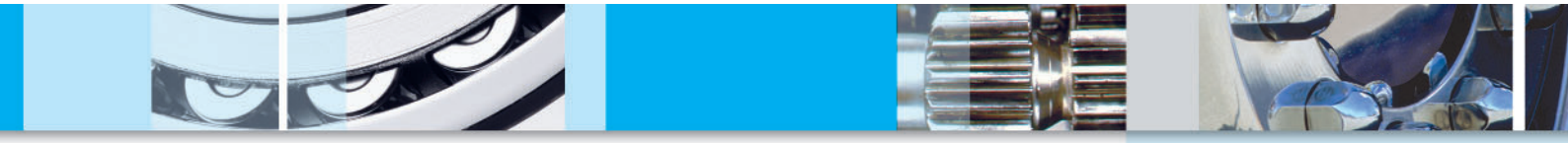

Performance standards

- Approved against U.S. Military Specification MIL-PRF-23699F STD
- Holds formal approvals for use in the following gas turbines:
  - Rolls-Royce RB 211
  - Rolls-Royce Industrial Avon
  - Rolls-Royce (Allison) Industrial 501-K
  - GE Energy Industrial Aeroderivative units

Not to be used in Solar Turbines requiring oils meeting Solar Specification ES 9-224 W – Class III OR MIL-PRF-23699F C/I specification.

Typical properties

REGAL SGT 22 TEST	ASTM	RESULTS
Product Code		520008
Acid No., mg KOH/g	D664	0.16
Flash Point, COC, °C	D92	270
Pour Point, °C	D97	-57
Viscosity, Kinematic		
mm^2/s @ -40°C	D445	9468
mm^2/s @ 40°C	D445	25.6
mm^2/s @ 100°C	D445	5.12

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended.

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 www.caltexoils.com.

For more information, go to **www.chevronlubricants.com**

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