



marine lubricants

Regal® SGT 22



Description

Regal® SGT 22 is designed for use in modified aviation type gas turbines in non-aviation stationary applications such as industrial power generation and 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.

Typical Characteristics

MPID	219420
Acid No., mg KOH/g	0.16
Pour point, °C	-57
Flash point COC, °C	270
Kinematic viscosity at -40°C, mm ² /s	9468
Kinematic viscosity at 40°C, mm ² /s	25.6
Kinematic viscosity at 100°C, mm ² /s	5.12

Recommended Applications

Regal SGT 22 is recommended for aero derivative 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 Approved For:

- ✓ **U.S. Military Specification** MIL-PRF-23699G, Class STD
- ✓ **General Electric** LM Series Aeroderivative Turbines
- ✓ **Siemens** (Allison) 501K
- ✓ **Siemens** (Rolls Royce) Avon, Olympus, Tyne and Spey models
- ✓ **Siemens** (Rolls Royce) RB 211 Gas Turbines

Regal SGT 22 Meets The Requirements Of:

- ✓ **Turbomeca Makila TL**

Regal® SGT 22 is compatible with other lubricants approved under MIL-PRF-23699G. Regal SGT 22 is compatible with metals, paints, coatings and elastomers such as Viton, Teflon, fluorosilicone, and not to be used in aircraft service Buna N (NBR).

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



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Performance Benefits

1. Long Service Life

Good oxidation and thermal stability of the synthetic ester base fluid and special additive system helps resist oil breakdown under severe high temperature and high load conditions. The low volatility of the synthetic polyolester helps minimize evaporative losses.

2. Minimal Maintenance and Downtime

Minimal coking tendency of the synthetic ester base fluid and additive system helps minimize deposit formation on bearings and other areas exposed to the heat of the hot gases. High load carrying capacity helps ensure protection against wear. The oil is compatible with normal engine and accessory metallic construction materials and elastomeric sealing compounds.

3. All-Temperature Performance

Viscosity-temperature characteristics of the synthetic ester help promote low temperature fluidity to facilitate starting at low temperatures, while helping to ensure that an effective lubricant film is available under the most severe, high temperature conditions to protect.



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