



CHEVRON SYNTHETIC TURBINE OIL SGT

CUSTOMER BENEFITS

Chevron Synthetic Turbine Oil SGT delivers value through:

- **Extended service life** — Excellent oxidation and thermal stability of the synthetic polyol ester base fluid and special additive system resists oil breakdown under severe, high temperature, high load conditions. The low volatility of the synthetic ester minimizes evaporative losses.
- **Minimum maintenance and downtime** — Reduced coking tendency of the synthetic ester base fluid and additive system minimizes deposit formation on bearings and other areas exposed to the heat of the hot gases. High load carrying capacity ensures excellent protection against wear. The oil is compatible with normal engine and accessory metallic construction materials and elastomeric sealing compounds.
- **Excellent all-temperature performance** — Superior viscosity-temperature characteristics of the synthetic ester provide outstanding low temperature fluidity to facilitate starting at low temperatures, while ensuring that an effective lubricant film is always available under the most severe, high temperature conditions to protect critical components against wear.

FEATURES

Chevron Synthetic Turbine Oil SGT is a premium performance, synthetic polyol ester-based turbine lubricant for use in modified aviation-type gas turbines in stationary and marine service. A special additive system imparts excellent high temperature thermal and oxidation stability.

APPLICATIONS

Chevron Synthetic Turbine Oil SGT has well over 2.5 million fired hours with excellent performance. It is designed for modified aviation-type gas turbines exposed to the most severe operating environment in non-aviation applications such as industrial power generation and marine propulsion.

Chevron Synthetic Turbine Oil SGT is approved for:

- U.S. Military Specification **MIL-PRF-23699F, Class STD**
- **General Electric** (D50 TF-1) LM 500, 1600, 2500, 5000 and 6000 models
- **Rolls Royce (Derby)** RB 211, Avon, Olympus, Tyne and Spey models
- **Rolls Royce (Allison)** 501 models
- **Turbomeca Makila** TI model

Chevron Synthetic Turbine Oil SGT is compatible with other lubricants approved under MIL-PRF-23699F. Chevron Synthetic Turbine Oil SGT is compatible with metals, paints, coatings and elastomers such as Viton, Teflon, fluorosilicone and Buna N (NBR).

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

TYPICAL TEST DATA

<i>Product Number</i>	253100
<i>MSDS Number</i>	12310
Viscosity, Kinematic cSt at -40° C cSt at 40° C cSt at 100° C	9,800 25.6 5.13
Operating Temperature °C(°F) Minimum Maximum	-40(-40) 204(400)
Flash Point, °C(°F)	270 (518)
Pour Point, °C(°F)	-60(-76)
Acid number, mg KOH/g	0.16

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.