

AVYOL TURBINE OILS

(Steam, Gas & Hydraulic Turbines)

Avyol Turbine Oils are specially designed to provide long-lasting lubrication and protection for steam turbines, gas turbines, and turbo-compressors. Formulated with high-quality base oils and advanced oxidation inhibitors, they deliver excellent thermal stability, rust protection, and rapid air release. These oils are suitable for continuous operation under high temperatures and high-speed conditions, ensuring smooth turbine performance and reduced downtime.

Performance Highlights

- Excellent oxidation and thermal stability for extended oil life.
- Rapid air release and anti-foam properties for uninterrupted operation.
- Superior rust and corrosion protection of bearings and components.
- Outstanding water separation and demulsibility.
- Recommended for steam, gas, and hydraulic turbines operating under severe conditions.
- Available in ISO VG grades 32, 46, and 68.



Typical Specifications (Turbine Oil – ISO VG 46 as example)

Property	Value / Limit	Test Standard
Kinematic Viscosity @ 40 °C	46 mm ² /s ± 10%	ASTM D445
Kinematic Viscosity @ 100 °C	~6.8 mm ² /s	ASTM D445
Viscosity Index	≥ 95	ASTM D2270
Flash Point (°C, COC)	≥ 210	ASTM D92
Pour Point (°C)	≤ -12	ASTM D97
Oxidation Stability @ 95 °C (hrs)	≥ 2000	ASTM D943
Rust Protection	Pass	ASTM D665
Air Release @ 50 °C (min)	≤ 5	ASTM D3427
Demulsibility (40-40-0, 30 min)	Pass	ASTM D1401

