

# 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 <sup>2</sup> /s ± 10% | ASTM D445     |
| Kinematic Viscosity @ 100 °C      | ~6.8 mm <sup>2</sup> /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    |

