

JoshTurbine

R&O 46 R&O Turbine Oil

Product Description

JoshTurbine is a premium Highly Refined Paraffinic Mineral Oil (Group II) R&O Turbine Oil designed for Medium-sized steam turbines, gas turbine bearings, industrial turbo compressors, power generation. Meets DIN 51515-1 L-TD, ISO 8068, ASTM D4304 Type I, GE GEK-28143 specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance	Clear bright liquid
Density at 15°C	0.862-0.872 g/cm ³
Kinematic Viscosity at 40°C	41.4-50.6 cSt
Kinematic Viscosity at 100°C	6.5-7.2 cSt
Viscosity Index	100 min
Flash Point (COC)	220°C min
Pour Point	-24°C max
Total Acid Number	0.10 mgKOH/g max
Oxidation Stability (TOST ASTM D943)	5,000+ hours
Oxidation Stability (RPVOT ASTM D2272)	700+ minutes
Rust Test (ASTM D665 A&B)	Pass
Demulsibility (ASTM D1401)	40-37-3 (20 min max)
Foam Test (Seq I/II/III)	30/0, 30/0, 30/0 ml
Air Release (ASTM D3427)	5 min max at 50°C
Copper Corrosion (3h/100°C)	1a
FZG Load Stage (A/8.3/90)	10 pass (fail stage)

Applications

Medium-sized steam turbines, gas turbine bearings, industrial turbo compressors, power generation

Performance Standards

DIN 51515-1 L-TD

Handling & Storage

- Store in a cool, dry place away from direct sunlight
- Keep container tightly closed when not in use
- Shelf life: 36 months from date of manufacture
- Do not mix with other lubricants