

JoshTurbine

AW 32 Anti-Wear Turbine Oil

Product Description

JoshTurbine is a premium Highly Refined Paraffinic Mineral Oil (Group II) + Ashless AW Additives Anti-Wear Turbine Oil designed for Geared steam turbines, combined cycle gas turbines with gearboxes, turbo compressors with EP requirements. Meets DIN 51515-2 L-TG, ISO 8068, ASTM D4304 Type II/III, Alstom HTGD 90117 specifications and delivers exceptional performance in demanding conditions.

Technical Specifications

Appearance	Clear bright liquid
Density at 15°C	0.858-0.868 g/cm³
Kinematic Viscosity at 40°C	28.8-35.2 cSt
Kinematic Viscosity at 100°C	5.2-5.8 cSt
Viscosity Index	105 min
Flash Point (COC)	205°C min
Pour Point	-27°C max
Total Acid Number	0.20 mgKOH/g max
Oxidation Stability (TOST ASTM D943)	6,000+ hours
Oxidation Stability (RPVOT ASTM D2272)	800+ minutes
Rust Test (ASTM D665 A&B)	Pass
Demulsibility (ASTM D1401)	40-37-3 (15 min max)
Foam Test (Seq I/II/III)	20/0, 20/0, 20/0 ml
Air Release (ASTM D3427)	3 min max at 50°C
Copper Corrosion (3h/100°C)	1b max
FZG Load Stage (A/8.3/90)	12 pass (fail stage)
Four Ball Wear (ASTM D4172)	0.40 mm max
Additive Type	Ashless (zinc-free) anti-wear

Applications

Geared steam turbines, combined cycle gas turbines with gearboxes, turbo compressors with EP requirements

Performance Standards

DIN 51515-2 L-TG

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