

KYNOS TURBINOL GSW

Turbine Oils

KYNOS LUBRICATION PRIVATE LIMITED

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TURBINOL GSW, A premium grade turbine oil engineered for Gas, Steam and Water.

TURBINOL GSW is a premium-grade turbine oil specifically engineered for gas, steam, and water turbines. Formulated with high-quality base oils and advanced additives, it ensures optimal performance, reliability, and protection for turbine systems operating under demanding conditions.

This oil delivers exceptional thermal and oxidation stability, providing long-lasting protection against wear, corrosion, and deposits, which are critical for maintaining the efficiency and longevity of turbine components.

Applications

- Gas Turbines: To provide reliable lubrication for high-speed, high-temperature gas turbine systems in power plants and industrial operations.
- Steam Turbines: Ideal for steam turbine applications where extreme temperatures and pressures demand robust oil stability and protection.
- Water Turbines: Designed for hydropower systems, offering excellent moisture control and rust protection in water-exposed environments
- TURBINOL GSW oils are recommended for the lubrication of hydraulic, steam and Gas turbines with turbo gear sets. Can be used as circulating Oils (R & O type) as per DIN 51514 Part 1 (HL); DIN 51517

Performance Level & Specifications

- DIN 51514, Type I Turbine Oils
- ASTM D-4304 TYPE-I
- Indian Standard IS 1012:2002

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Typical Performance Data

Properties	Test Method	TURBINOL GSW			
		32	46	68	100
Viscosity Index	ASTM D-2270	111	104	108	110
Viscosity @ 40 °C, mm ² /s	ASTM D-445	33	46	65	105
Viscosity @ 100 °C, mm ² /s	ASTM D-445	5.6	6.8	9.5	9.9
Visual Appearance	Visual	Clear	Clear	Clear	Clear
Flash Point, °C Minimum	ASTM D-92	190	190	190	190
Pour Point, °C Max	ASTM D-97	-12	-12	-9	-9
TAN, mg KOH/g	ASTM D-664	0.1	0.1	0.1	0.1
Density @ 15 °C, kg/m ³	ASTM D-4052	0.85	0.85	0.86	0.86
Copper Corrosion	ASTM D-130	1b	1b	1b	1b
Air Release Value @50°C, minutes max	ASTM D-3427	4	6	9	12
Rust Preventive Characteristics	ASTM D-665A	Pass	Pass	Pass	Pass
Oxidation Stability Test	ASTM D-943 ASTM D-2272	>2000 >350	>2000 >360	>1500 >180	>1000 >155

*All performance data on this Technical Data Sheet are indicative only and may vary during production.