Raysun Capella Gr I

Turbine oils for steam, water and non-geared gas turbines

Raysun Capella Gr I series are premium quality turbine oils specially designed to satisfy the demanding lubrication requirements of steam turbines in today's power industry. These oils are formulated with API Group I base oils and a premium ashless additive package containing field proven anti-oxidants, corrosion inhibitors and metal deactivators. These oils possess outstanding thermal and oxidation stability, excellent water separability, superior rust and corrosion inhibition, low foaming tendency, good air release properties and resistance to chemical degradation to provide excellent equipment protection, reliable operation and extended service life. While primarily designed for lubrication of steam turbines, these oils are also suitable for water turbines and non-geared gas turbines. These oils are available in three ISO viscosity grades (32, 46 & 68) and exceed the .performance requirements of specifications of major turbine manufacturers

Advantages

- Outstanding thermal and oxidation stability prevent sludge formation, control deposits and minimize oil degradation leading to reliable operation
- Excellent water separation capability resists formation of emulsion and leads to easy removal of excess water from the lubrication system
- Effective rust and corrosion inhibitors provide long term protection to critical system components
- Good air release properties and foam control avoid erratic operation and pump cavitation leading to trouble free operation

Applications

- Power generation steam turbines
- Industrial steam turbines
- Water turbines and non-geared gas turbines
- Turbo compressors
- Applications requiring high quality rust and oxidation (R&O) inhibited oils

Specification

- ASTM D 4304 BS 489
- (DIN 51515 Part 1 (TD
- Alstom HTGD 90 117 V0001 S
- GEK 32568A/C
- Siemens TLV 90 13-04, non-geared

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ISO Viscosity Grades			ASTM Method	Specification
68	46	32		
0.887	0.885	0.883	D 1298	Density @ 15^{0}C, kg/l
68	46	32	D 445	Viscosity @40 °C, cSt.
94	94	92	D 2270	Viscosity Index
212	210	205	D 92	Flash Point, °C
-9	-12	-15	D 97	Pour Point, °C
Pass	Pass	Pass	D 665A/B	Rust Test
1B	1B	1B	D 130	Copper Corrosion
<0.1	<0.1	<0.1	D 974	Acid Number, mg KOH/g
600$^+$	600$^+$	600$^+$	D 2272	RPVOT, minutes

Note: "All of the results are typical and the results of each batch are presented in the COA sheet."