

PRODUCT DESCRIPTION

DRYDENE RADIUS® TC oils are premium grade, rust and oxidation inhibited fluids designed to provide superior lubrication of precision turbines, compressors and industrial circulating systems. They are built on severely hydro-processed based oils and ashless additive chemistry to protect against rust, oxidation and foaming/air entrainment.

PRODUCT APPLICATION

DRYDENE RADIUS TC oils are well suited for a variety of turbines, compressors and bearing systems where consistent oxidation stability, fast water separation and foam inhibition are essential:

- Steam turbines
- Marine turbines
- Hydroelectric turbines
- Centrifugal air compressors
- Electric motor bearings
- Non-EP bearings (plain, rolling element)
- Pneumatic air tools



FEATURES AND BENEFITS

DRYDENE RADIUS TC utilizes advanced ashless additive chemistry to protect critical systems from harmful rust, corrosion and deposits that can result in costly repairs, replacements and downtime. This chemistry also aids in the reclaiming and disposal of used fluid where environmental impact is a concern.

Radius TC oils deliver exceptional resistance to oxidation and thermal degradation which help minimize the formation of sludge, varnish and viscosity loss.

Radius TC provides exceptional film strength and wear reduction through quick water separation within critical gear and bearing components. Its active foam inhibitors help expedite the rapid release of entrained air and prevent sump overload so key surfaces remain lubricated against wear.

SPECIFICATIONS

AGMA 9005-EOR-RO (non-EP)
 Alstom HTGD 90 117
 Cincinnati Milacron P-38 (ISO 32), P-54 (ISO 46), P-55 (ISO 68)
 DIN 51515-1, 51515-2
 General Electric GEK 32568, 36506, 107395
 Siemens TLV 9013 04
 Solar Turbines ES9-224



TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	ISO 22	ISO 32	ISO 46	ISO 68	ISO 100
Viscosity @ 40°C, cSt	ASTM D445	22.2	31.9	43.7	67.8	99.5
Viscosity @ 100°C, cSt	ASTM D445	4.5	5.6	6.9	9.0	11.6
Viscosity Index	ASTM D2270	116	114	115	107	104
Pour Point, °C/°F	ASTM D97	-37/-35	-37/-35	-33/-27	-33/-27	-29/-20
Flash Point, °C/°F	ASTM D92	210/410	210/410	232/450	243/469	277/531
Demulsibility	ASTM D1401	10	10	10	10	15
Oxidation Stability: TOST	ASTM D943	7500	7500	7500	7500	7500
Oxidation Stability: RPVOT	ASTM D2272	1200	1200	1200	1200	1200
Rust Test	ASTM D665 A&B	Pass	Pass	Pass	Pass	Pass
Copper Corrosion	ASTM D130	1a	1a	1a	1a	1a
Foam Test	ASTM D892	Pass	Pass	Pass	Pass	Pass

Always follow manufacturers recommendations for fluid viscosity and service category. RelaDyne assumes no responsibility for product misuse or improper application. For recommendations on safe handling of this product, refer to the Safety Data Sheet (SDS) at <https://www.drydene.com/pds-sds-sheets>. (Rev 0126-D1)