



PRODUCT DATA SHEET

DRYDENE RADIAS® TC SERIES

TURBINE / CIRCULATING OILS



PRODUCT DESCRIPTION

DRYDENE RADIAS® TC are premium grade, rust and oxidation inhibited oils 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 RADIAS 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 RADIAS 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.

It delivers exceptional resistance to oxidation and thermal degradation which help minimize the formation of sludge, varnish and viscosity loss.

Radias TC provides good 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 that key surfaces remain lubricated against wear.

SPECIFICATIONS

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



TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	ISO 32	ISO 46	ISO 68	ISO 100
Viscosity @ 40°C, cSt	ASTM D445	31.9	43.7	67.8	99.5
Viscosity @ 100°C, cSt	ASTM D445	5.6	6.9	9.0	11.6
Viscosity Index	ASTM D2270	114	115	107	104
Demulsibility	ASTM D1401	10	10	10	15
Oxidation Stability: TOST	ASTM D943	7500	7500	7500	7500
Oxidation Stability: RPVOT	ASTM D2272	1200	1200	1200	1200
Rust Test	ASTM D665 A&B	Pass	Pass	Pass	Pass
Copper Corrosion	ASTM D130	1a	1a	1a	1a
Foam Test	ASTM D892	Pass	Pass	Pass	Pass

This product is not expected to have any adverse health implications when used for its intended purposes. Always wear protective gloves when handling used oil and dispose of properly. Avoid contact with skin and wash immediately with soap and water should any contact occur. Always follow manufacturers recommendations for fluid viscosity and service category. RelaDyne assumes no responsibility for product misuse or improper application. For a copy of this product's Safety Data Sheet (SDS), visit www.DRYDENE.com Rev (0322-01)



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