



Product No: 592915, 593547, 573967, 573976, 588799, 594671, 574995, 573335, 573933, 592940, 587972, 573984, 593635, 573941, 590995, 593627, 573950, 593774, 582830, 573968

TurbineGard™ R&O Turbine Oil

Turbine Grade Ashless Lubricants; Premium Lubricants for Long Service Life; Blended to ISO Viscosity Grade

Description

TurbineGard™ R&O Turbine Lubricants are premium quality oils designed for use in industrial gas, hydroelectric, and steam turbines generating power in a wide variety of applications. These oils may also be used in industrial gear boxes where non-EP, ashless gear oils are required.

TurbineGard R&O Turbine Lubricants offer extended service life with high resistance to oxidation and thermal breakdown. Excellent water separation properties and protection against rust and oxidation.

Application

- Industrial turbines providing electrical power
- Rust and oxidation hydraulic fluid

Benefits

- Protection of critical silver bearing components
- Outstanding oxidation resistance
- Protects against rust in distilled, tap, and salt waters
- Reduced noise and vibration
- Turbine quality ashless formulation



PERFORMANCE LEVELS

Denison	HF-1
General Electric	GEK 32568A
Military Spec	MIL-PRF-17672C, MIL-PRF-17331 J/H
Afnor	NFE 48-600HL
DIN	51515, 51524 Part 2
Cincinnati	P-38, P-54, P-55
AIST/U.S. Steel	AIST 126
Solar Turbines	ES9-224
ABB Brown Boverie	HTGD 90117R
Westinghouse	M-Spec55125Z3
Siemens	TLV 9013 04



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TYPICAL PROPERTIES

	Method	ISO 15	ISO 22	ISO 32	ISO 46	ISO 68
Specific Gravity	D-4052	0.8579	0.8544	0.8608	0.8609	0.8663
Viscosity, cSt at 40°C	D-445	15.45	22.09	32.49	46.21	66.19
Viscosity, cSt at 100°C	D-445	3.47	4.43	5.93	7.26	9.20
Viscosity Index	D-2270	100	111	129	118	116
Flash Point, °C (°F)	D-92	198 (388)	214 (417)	222 (432)	216 (421)	218 (424)
Pour Point, °C (°F)	D-97	-28 (-18)	-26 (-15)	-26 (-15)	-24 (-11)	-26 (-15)
Neutralization Number	D-943	<0.11	<0.11	<0.11	<0.11	<0.11
Turbine Stability, Hrs.	TOST	+5000	+5000	+5000	+5000	+5000
Martin Lubricants Bulk Number		588799	573933	573941	573950	573968

TYPICAL PROPERTIES

	Method	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460
Specific Gravity	D-4052	0.8681	0.8769	0.8868	0.8953	0.8939
Viscosity, cSt at 40°C	D-445	100.52	114.23	212.72	294.04	419.44
Viscosity, cSt at 100°C	D-445	12.07	15.38	19.36	23.95	29.37
Viscosity Index	D-2270	111	109	103	102	98
Flash Point, °C (°F)	D-92	220 (428)	280 (536)	256 (493)	250 (478)	247 (478)
Pour Point, °C (°F)	D-97	-25 (-13)	-24 (-11)	-15 (5)	-12 (10)	-11 (12)
Neutralization Number	D-943	<0.11	<0.11	<0.11	<0.11	<0.11
Turbine Stability, Hrs.	TOST	+5000	+5000	+5000	+5000	+5000
Martin Lubricants Bulk Number		573976	573335	573984	590995	-

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional qualifications, please contact Martin Technical Service Department.

Health and Safety Information: See separate Safety Data Sheets available on request.

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