



R&O Turbine Oils

Product Application:

Beacon R&O Turbine oils are premium industrial grade high performance circulatory lubricants designed for the lubrication of steam and hydro turbine systems and any other systems requiring an extended life circulating lubricant.

Beacon R&O Turbine Oils are formulated with highly refined base stocks and cutting edge additive technology to provide for an extended life lubricant that is both exceptionally chemically and thermally stable while also providing excellent rust and corrosion protection and decent anti-wear properties.

R&O Turbine Oils are designed for the lubricant of hydraulic steam turbines, hydroturbines, vacuum pumps, natural gas compressors and any system requiring an extended life precision lubricant.

Package Size:

Drums, Pails

Features and Advantages:

- *Chemically & thermally stable
- *Excellent water demulsibility
- *Protection against rust and corrosion
- *High resistance to foaming and excellent air entrainment resistance

Meets or exceeds the following specifications:

DIN 51515-1 2010-02	CINCINNATI P-62
DIN 51517-2: 2009-06	DENISON HF 1A
GE GEK 46506D	ISO-L-CKB
GE GEK 27070	DIN 51506VBL
GE GEK 28143A	AFNOR NF E 48600 HL
JIS K-2213 Type 2 w/Additives (1983)	

Typical Characteristics:

ISO Viscosity Grade	22	32	46	68	100	150	220	320	460
Viscosity, ASTM D 445									
cSt @ 40°C	22	31	44.5	65.1	95.1	148	236	328	458
cSt @ 100°C	4.0	5.5	6.9	8.7	10.9	14.7	19.8	24.4	31.1
Viscosity Index, ASTM D 2270	102	102	98	95	95	95	95	95	95



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technical data sheet

Pour Point, °C, ASTM D 97	-20	-18	-15	-15	-15	-15	-15	-10	-10
Flash Point, °C, ASTM D 92	192	218	221	223	237	240	265	280	290
Density@5°C kg/l,ASTM D4052	0.84	0.85	0.86	0.87	0.88	0.89	0.893	0.896	0.90
TOST,ASTM D943, Hours to2 NN 5000	5000	3700	4500	4500	4500	4500	4500	4500	4500
Rust Prevention, ASTM D 665:									
Distilled Water	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Sea Water	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Water Seperability, ASTM D 1401, Min. to 3 ml emulsion @ 54°C	15	15	15	20	30	30	30	30	30
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 121°C	1B	1B	1B	1B	1B	1B	1B	1B	1B
Foam Test, ASTM D 892, Seq I Tendency/Stability, ml/ml	20/0	20/0	50/0	50/0	50/0	50/0	50/0	50/0	50/0

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