

ADVANTAGE TURBINE OILS

OVERVIEW

ADVANTAGE TURBINE OILS are highly refined premium quality, rust and oxidation (R&O) inhibited circulating oil. Developed for use in industrial steam turbines, rotary air compressors and other industrial applications. Provides excellent rust, corrosion and deposit protection. It minimizes sludge and varnish buildup, due to high oxidation reticence and thermal stability at high temperatures. It posses excellent water sperating abilities to minimize emulsion formation. Resists excess foam build up that interferes with lubrication.

FEATURES & BENEFITS

ADVANTAGE TURBINE OILS are characterized by outstanding performance in preventing rust, oxidation, foaming, air entrainment and many other factors that occur in sophisticated systems. They exhibit excellent water separation properties; low carbon-forming tendency in air compressors; exceptional thermal stability; resistance to oxidation and superior rust; corrosion; and foam inhibitors.

APPLICATIONS

ADVANTAGE TURBINE OILS are designed for use in direct-drive steam turbines, hydroelectric turbines, gas turbines, rotary and centrifugal air compressors, vacuum pumps, deep well water pumps, machine tools, air tools lubricated through air line lubricators, industrial gear drives not requiring extreme-pressure (EP) or compounded gear oil, and lightly loaded plain and rolling element bearings found in electric motors and blowers.

SPECIFICATIONS

ABB G12106 • AGMA GRADE 0 through 3 (non-EP) • ALSTOM POWER HTGD 90 117 • ASTM D4304-06a • British Standard 489 • China National Standard GB 1120-2011 L-TSA • Cincinatti Machine P-38, P-45, P-54, P-55, P-57, P-62 • Denison Hydraulic HF-1 • DIN 51515, 51517, 51524 • General Electric GEK 46506e, GEK 32568f, GEK 27070, GEK 28143a • Siemens Power Generation TLV 9013 04, TLV 9013 05 • US Military MIL-PRF-17672D, Symbol 2075 T-H (ISO VG 32), 2110 T-H (ISO VG 46) 2135 T-H (ISO VG 68) • U.S. Steal 126 • Westinghouse I.L. 1250-4710-B

TYPICAL PROPERTIES

PRODUCT CODES	431	437	442	445	446	450
ISO Grade	32	46	68	100	220	320
Viscosity, cSt @100 °C (D445)	5.5	6.6	8.9	11.4	18.0	25.0
Viscosity, cSt @40 °C (D445)	32	46	68	100	220	320
Viscosity Index (D2270)	105	98	104	100	95	95
Flash Point, COC °F (D92)	427	450	470	530	500	500
Pour Point °F (D97)	-36	-26	-18	-10	-12	-12
Oxidation Stability, TOST hrs.	10,000+	10,000+	10,000+	10,000+	-	-
RPVOT mins.	1,000+	1,000+	1,000+	1,000+	-	-
mgKOH/gm	.08	.08	.08	.08	0.15	0.15
Demulsibility	20	20	20	25	25	25
Color	.5	.5	.5	.5	L4.5	L4.5
Rust Syn Sea Water	Pass	Pass	Pass	Pass	Pass	Pass
Copper Strip, Class	1A	1A	1A	1A	1A	1A
Foam Test	Pass	Pass	Pass	Pass	Pass	Pass
Gravity, ° API	32.0	30.6	29.9	29.3	26.4	26.4