



Product Data

Turbinol Select

Ashless Turbine Oil

Description

BP Turbinol Select oils have been formulated to meet today's multiple challenging turbine oil environments through a carefully selected formulation approach that provides ultimate oxidation resistance, rust and corrosion control, water separation and excellent foam and air entrainment qualities. Turbinol Select incorporates a unique "low acidic" corrosion inhibitor to improve contamination resistance in some of the most difficult turbine environments. Turbinol Select is formulated with chosen hydro processed stocks and a proprietary combination of specially prepared additives that ensures optimum performance throughout the fluid's life. The additives and components utilized in Turbinol Select are closely monitored during the manufacturing process to provide the highest quality finished lubricant for field usage.

Application

Turbinol Select is engineered to meet or exceed the lubricant specification requirements of multiple steam and gas turbine manufacturers. In the appropriate viscosity grade, Turbinol Select meets the requirements of General Electric GEK-32568, Cincinnati Milacron P-38, P-55 and P-57, Solar Turbines ES 9-224, and many other OEMs.

Advantages

- Low acidity rust inhibiting technology
- Outstanding oxidation and thermal stability
- Excellent rust control
- Optimum anti-corrosion, water tolerance and resistance to sludge formation
- Resists foaming and excellent air entrainment properties
- High flash point which improves turbine oil system safety
- Selected hydro processed base stocks
- Provides complete and quick separation of water and oil in the event of water contamination
- Ashless/phosphorus free
- Excellent Filterability

Typical Physical Characteristics

Test	Method	Typical Properties	
ISO Grade		32	68
Viscosity at 40°C, cSt	ASTM D445	34	66.4
Viscosity at 100°C, cSt	ASTM D445	5.7	8.7
Viscosity at 100°F, SUS	ASTM D2161	160	343
Viscosity at 210°F, SUS	ASTM D2161	44.9	55.5
Viscosity Index	ASTM D2270	107	102
Flash Point, °C (°F)	ASTM D92	216(416)	235(455)
Pour Point, °C (°F)	ASTM D97	-40(-40)	-30(-22)
Color	ASTM D1500	<.5	<.5
Gravity, API	ASTM D-287	31.2	31.1
Specific Gravity @60F, g/ml	ASTM D-1298	0.87	0.869
Pounds per Gallon	ASTM D-287	7.24	7.23
Rust Prevention	ASTM D665B	Pass	Pass
Corrosion inhibition	ASTM D130	1A	1A
1000 hr TOST	ASTM D-4310		
Sludge (mg)		19.5	-
Copper wt. change (mg)		0.5	-
Iron wt.		0.5	-
RBOT, minutes	ASTM D2272	1387	-
Water Separation	ASTM D1401		
40-40-0 (Minutes)		40-40-0(15)	-
Steam demulsibility	1P19(sec)	210	-

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16 Jan 2018

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