



PURAMAX Extended Life Turbine Oil

PURAMAX Extended Life Turbine Oil is designed for outstanding performance in industrial circulating systems where the highest quality rust and oxidation inhibited lubricant is required. The product passes the Turbine Oil Stability Test (ASTM D 943) by more than 10,000 hours indicating a long life service.

PURAMAX R&O Turbine Oil is formulated with premium base oils to insure exceptional performance and long service life. Special inhibitors enhance the product by providing improved resistance to break down caused by oxidation and the formation of deposits on critical machinery surfaces. They also protect vital equipment parts from rust and corrosion both during operating service and when the equipment is idle. In addition, foam and air release properties are controlled by inhibitors and low temperature capability improved by flow improvers.

APPLICATIONS

PURAMAX Extended Life Turbine Oils are recommended in industrial circulating systems where the highest quality rust and oxidation inhibited lubricants are required. They may also be used as general purpose machine oil where R&O oil is recommended. Applications include:

- Gas and steam turbines
- Hydraulic systems
- Industrial gear cases
- Circulating systems
- Gear sets calling for AGMA R&O
- General machinery lubrication

FEATURES AND BENEFITS

- Extended service life utilizing unique base oil and additive system
- Superior corrosion protection of metal surfaces
- Outstanding thermal stability
- Excellent foam inhibition to prevent air entrainment and excessive foam build-up
- Hydrostatic stability when used in wet systems

RECOMMENDED PERFORMANCE SPECIFICATIONS

PURAMAX Extended Life Turbine Oils meet the following equipment manufacturer's turbine oil specifications (in the appropriate viscosity grades):

- Allis Chalmers Power System 1.3-0220
- GEK 46506C, GEK 28143A, GEK 32568E, GEK 107395
- Westinghouse 1L-1250-4710-B, 1L-1250-5312
- British Standard 489
- Solar ES 9-224
- ABB (Alstom) HTGD 90117
- German Standard DIN 51524 Part 1 and DIN 51515
- AFNOR Filterability (Dry and Wet)
- Turbine Oil Oxidation ASTM D 943
- 1000 Hours Sludge ASTM D 4310
- CIGRE Oxidation (IP 280)

The following industrial applications:

- Cincinnati P-38, P-54, P-55, P-57, P-62
- Denison HF-1
- Alcoa ML 523, 570, 589, 601, 606, 625, 680, 682, 686
- AGMA R&O Gear Oils 1, 2



PURAMAX Extended Life Turbine Oil		Typical Characteristics		
	<i>Test Method ASTM-D</i>	<i>ISO Viscosity Grade</i>		
		46	68	320
Gravity °API	287	29.9	29.8	29.4
Flash Point, °C	92	206	212	224
Pour Point, °C	97	-37	-21	-21
Viscosity				
cSt @ 40 °C	445	31.2	46.04	66.4
cSt @ 100 °C	445	5.54	7.16	9.08
Viscosity Index	2270	115	115	110
Color	1500	2.5	2.5	2.5
Oxidation Stability	943	>10,000	>10,000	>10,000
Rust Test		Pass	Pass	Pass
Distilled Water		Pass	Pass	Pass
Copper Corrosion: 3 hrs. @ 100 °C		1.0	1.0	1.0

Minor variations in test data are to be expected in normal manufacturing