PURAMAX R&O Turbine Oil

PURAMAX R&O oils are turbine oils designed for outstanding performance in gas, steam and hydraulic turbines. The multifunctional characteristics of these products suit the needs of many industrial applications. They can be used as a general purpose machine oil where R&O type oil is needed or recommended. Resulting in inventory efficiencies and reducing operating costs.

PURAMAX R&O Turbine Oils are formulated with paraffinic base oils and select additives to provide rust protection, oxidation inhibition and foam suppression. They also provide excellent water demulsibility, oxidation stability and air release.

APPLICATIONS

PURAMAX R&O Turbine Oils are recommended for applications calling for rust and oxidation inhibited oils. Applications include:

- *Gas and hydraulic turbines*
- *Steam turbines not including GE Frame 7000*
- *Hydraulic systems*
- *Air compressors*
- *Industrial bearings*
- *Circulating systems*
- *Bath, splash, circulating and systems*
- *Gear sets calling for AGMA R&O oil*
- *Additional industrial applications include: hoists, electric motor bearings, machine tools, etc.*

FEATURES AND BENEFITS

- *Available in viscosity grades ranging from ISO 22 to ISO 320*
- *Rust and corrosion protection of metal surfaces*
- *Excellent oxidation resistance*
- *Provides sludge and deposit control*
- *Excellent water separation and demulsibility characteristics*
- *Excellent anti-foam and rapid air release*
- *Long life lubricant*

RECOMMENDED PERFORMANCE SPECIFICATIONS

PURAMAX R&O Turbine Oils meet the performance requirements of:

- *AGMA R&O Gear Oils 1, 2, 3, 4, 5, 6*
- *MAG Cincinnati, Cincinnati Machine P-38 (ISO 32), P-54 (ISO68), P-57 (ISO 150)*
- *Denison HF-1*
- *MIL-H17672D (ISO 32, 46, 68)*

PURAMAX R&O Turbine Oil	Typical Characteristics								
	Test Method	ISO Viscosity Grade							
		22	32	46	68	100	150	220	320
Gravity °API	1298	33	32	31	30	29	29	28	27
Flash Point, COC °C/°F	92	188/370	196/385	204/400	207/405	213/415	218/425	221/430	227/440
Pour Point, °C/°F	97	-26/-15	-26/-15	-26/-15	-23/-10	10/-12	15/-9	15/-9	15/-9
Viscosity									
cSt @ 40°C	445	22	32	46	68	100	150	220	320
cSt @ 100°C	445	4.3	5.3	6.7	8.5	11.1	14.6	18.8	24
Viscosity Index	2270	92	92	92	92	92	92	92	92
Color	1500	1.0	1.5	1.0	2.0	3.0	3.0	4.5	4.5
Oxidation Life Hrs to 2.0 Acid No.	943	3200	3200	3000	3000	2500	2000	1500	1500
Foam Tendency/Stability ml @ 75 °F	892	60/0	60/0	60/0	60/0	60/0	60/0	60/0	60/0

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