

Super S[®] R&O Turbine Oil

TECHNICAL PRODUCT INFORMATION



Super S R&O Turbine Oil

Super S R&O Turbine Oils are premium rust and oxidation inhibited oils with excellent water demulsibility, oxidation stability, and air release. Formulated with paraffinic base oils and a carefully balanced additive system, **Super S R&O Turbine Oils** are designed for excellent for long life service.

FEATURES/ BENEFITS

- **Super S R&O Turbine Oils** are available in viscosity grades from ISO VG 22 to ISO VG 320
- Excellent oxidation resistance
- Provides sludge and deposit control
- Rust and corrosion protection for all system components
- Excellent water separation and demulsibility
- Excellent anti-foam and rapid air release
- Zinc-free formulation

APPLICATIONS

Super S R&O Turbine Oils are recommended for applications calling for rust and oxidation inhibited oils

- Gas, steam and hydraulic turbines
- Steam turbines except GE Frame 7000
- Hydraulic systems
- Air compressors
- Industrial bearings
- Circulating systems
- A myriad of assorted industrial applications: hoists, electric motor bearings, machine tools, etc.
- Gear sets calling for AGMA R&O oil
- Bath, splash, circulating or mist systems

RECOMMENDATIONS/SPECIFICATIONS

Super S EP 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 (ISO 68), P-57 (ISO 150)

Denison HF-1

MIL-H17672D (ISO VG 32, 46, 68)

SPECIAL HANDLING, NOTICES OR WARNINGS

Use the same care and handling as for any petroleum product.

TYPICAL CHARACTERISTICS

Super S R&O Turbine Oil									
Property	Test Method ASTM -D	ISO Viscosity Grade							
		22	32	46	68	100	150	220	320
AGMA Grade				1	2	3	4	5	6
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	90	90	90	90	90	90	90	90
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

Typical test data are average values only.
Minor variations which do not affect product performance are to be expected during normal manufacturing.

PRODUCT NUMBERS

ISO 32		ISO 100	
SUS 61	5 gallon pail	SUS 102	5 gallon pail
SUS 62	55 gallon drum	SUS 210	55 gallon drum
SUS 62 Bulk	Bulk	SUS 210 11	Bulk
ISO 46		ISO 150	
SUS 15	5 gallon pail	SUS 250 11	Bulk
SUS 47	55 gallon drum	ISO 220	
SUS 47 Bulk	Bulk	SUS 220	55 gallon drum
ISO 68		SUS 220 11	Bulk
SUS 13	5 gallon pail		
SUS 14	55 gallon drum		
SUS 14	Bulk		
SUS 14	Bulk/Drum		