



TIER ONE
LUBRICANTS
PRODUCT DATA SHEET

Tier One Lubricants™ Premium R & O Turbine Oil

Performance and Application

Tier One Lubricants™ Premium R & O Turbine Oils are turbine quality, industrial oils formulated to resist rust, oxidation and thickening in high temperature applications. These oils meet the following requirements:

- Cincinnati Milacron P-38, P-54, P-57
- General Electric GEK-32568
- Solar Turbines Es9-224
- Denison HF-1, HF-0

Tier One Lubricants™ Premium R & O Turbine Oils are recommended for use in non-EP gear cases, steam turbines, air compressors, non anti-wear hydraulic systems, chain drives and circulating oil systems. These oils also have good low pour point and demulsibility.

Typical Properties*

ISO Grade	32	46	68	100	150	220	320	460	ASTM Method
Viscosity at 40°C, cSt	33.5	47.8	68.0	100	150	220	304	450	D445
Viscosity at 100°C, cSt	5.5	6.9	8.4	11.1	14.5	18.5	22.8	29.3	D2602
Viscosity Index	99	99	96	95	95	93	93	93	D2270
Pour Point, min °C	-30	-30	-30	-15	-15	-10	-10	-9	D97
Flash Point, min °C	220	225	230	230	235	240	290	300	D92
Foam (3SEQ)	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	D892
Color	.5	.5	1.0	1.5	2.5	3.5	4.0	4.5	D1500

*The values shown here are representative of current production. Some are controlled by manufacturing specifications while others are not. All of them may vary within modest ranges.