

QA PREMIUM / RUST + OXIDATION PROTECTION

R&O TURBINE OIL

Long-service lubrication.
Broad industrial protection.



QA Premium R&O Turbine Oil

ISO 22 / 32 / 46 / 68 / 100 / 150 / 220

PRODUCT BENEFITS

Protection for circulating systems.

QA Premium R&O Turbine Oils combine high-grade virgin base oils with a balanced additive package. They provide corrosion protection and oxidation stability for circulation systems and applications where long lubricant service life is required.

- **Thermal and oxidation stability.**
Designed to support long lubricant service life.
- **Hydrolytic stability.**
Stability for demanding industrial lubrication service.
- **Rust protection.**
Helps protect lubricated equipment from rust and corrosion.
- **Foam resistance.**
High resistance to foaming for circulation applications.



Excellent demulsibility.

Designed for effective water separation. Good demulsibility helps water separate from the oil, supporting water management in circulating lubrication systems. Select the correct grade and follow the equipment manufacturer's lubricant and maintenance requirements.

Equipment images are illustrative.

SEVEN VISCOSITY GRADES

Typical physical properties

Select the viscosity required by your equipment. The values below are typical data from the supplied QA product data sheet and are not specification limits.

Characteristic	R&O 22	R&O 32	R&O 46	R&O 68	R&O 100	R&O 150	R&O 220
ISO grade	22	32	46	68	100	150	220
Viscosity, SUS @ 100°F	100	165	237	353	523	785	1150
Viscosity, SUS @ 210°F	40.5	44.2	49.0	55.5	65	80	94
Viscosity, cSt @ 40°C	22	32	46	68	100	150	220
Viscosity, cSt @ 100°C	4.2	5.35	6.73	8.41	11.4	14.5	18.5
Viscosity index (ASTM D-2270)	98	98	98	97	98	96	96
Flash point, °C (ASTM D-92)	>210	>215	>225	>240	>260	>265	>275
Specific gravity (ASTM D-1298)	0.85	0.86	0.87	0.87	0.87	0.88	0.88
Pour point, °C*	-12	-12	-12	-12	-12	ND	ND
Copper corrosion (ASTM D-130)	1b	1b	1b	1b	1b	1b	1b
Rust test (ASTM D-665A)	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Typical values are subject to usual manufacturing tolerances. ND is reproduced as printed in the source PDS.

*The pour-point test-method designation is omitted here because the source prints ASTM D-2270 for this row.

Source: QA Premium R&O Turbine Oil PDS, © 12/08 PDS V.1.

For current technical requirements and grade selection, contact your QA technical professional.

APPLICATIONS + TECHNICAL SUPPORT

One range. Many applications.

■ Turbines and circulation.

Steam and hydro turbines; industrial circulation systems.

■ Other lubrication applications.

Vacuum pumps, rotary air compressors, low-pressure hydraulics, bar feeders and lightly loaded gearboxes where low EP is required.



STATED PERFORMANCE REQUIREMENTS

The supplied QA PDS states that this product family is manufactured to meet the following requirements:

Parker Hannifin HF-1

Cincinnati Machine P-38, P-54, P-55, P-57

US Steel 126

DIN 51524, Part 1

Mil-L-17672C

AFNOR E48-600 HL

British Standard BS 489

Choose with your QA technical professional. Confirm the equipment requirements, operating conditions and viscosity before selecting a grade. Specifications above are reproduced from the supplied PDS; they are not a statement of current OEM approval.

APPLICATION GUIDANCE / AVAILABILITY

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