



**PRODUCT DATA SHEET**

**Turbine R&O ISO 100/4600 CODE: 870**

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Scot Lubricants LLC (Scot) R&O Turbine Oils are superior quality lubricants blended from the highest quality paraffinic base oils for outstanding thermal and oxidation stability. Scot’s turbine oils are more economical at initial cost and may assist in extended equipment life, less maintenance costs and reduced equipment downtime.

Scot’s R&O Turbine oils contain additive systems that feature:

- Excellent thermal stability
- Excellent rust/oxidation protection
- Excellent corrosion protection
- Excellent anti-foam protection
- Excellent demulsibility
- High load-carrying ability
- Excellent sludging resistance

**Recommended for:**

Electric motors, anti-friction bearings, spindle bearing, air compressors, hydraulic systems, steam/water turbine, gear reducers, sleeve-type bearings machine tools:

- |                        |   |
|------------------------|---|
| AGMA 9005 E02-RO       | AIST 125  |
| Alstom HTGH 90 117     | Cincinnati-Milacron P-38, P-55, P-54, P-57        |
| DIN 51524-1; 51515-1   | General Electric GEK 32568, GEK 107395, GEK 46506 |
| ISO 8068               | Siemens TLV 9013 04                               |
| Solar Turbines ES9-224 | U.S. Military MIL-H-17672D                        |

Scot Lubricants’ R&O Turbine Oils can be used in most conventional systems suitable for fluid lubricants and may be applied in a wide variety of ways including: brush-on-, oil bath, squirt can, slinger ring, drip feed, splash, and pressure feed.

**Typical Test Data**

Listed below are the physical and chemical characteristics of Scot Lubricants’ R&O Turbine Oils. Follow equipment manufacturer recommendations and conventional guides to determine the best applications.

<b>R&amp;O ISO GRADE</b>	<b>22</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>	<b>150</b>	<b>220</b>	<b>320</b>
<b>Product Code</b>	<b>866</b>	<b>867</b>	<b>868</b>	<b>869</b>	<b>870</b>	<b>871</b>	<b>872</b>	<b>873</b>
Viscosity cSt@40 <sup>0</sup> C	22	32	46	68	100	150	205	301
Viscosity cSt@ 100 <sup>o</sup>	4.38	5.4	6.3	8.7	11.4	14.6	18.3	23.3
Viscosity Index	100	100	100	100	100	95	98	96
Flash Point °F/°C	375/191	440/225	475/246	480/250	500/261	540/282	475/246	485/252
Pour Point, °C	-18	-18	-18	-18	-18	-18	-9	-9
Color, D1500	<1.0	<1.0	<1.0	<2.5	<5.0	<5.0	<6.0	<6.0
API Gravity, D287	33.5	33	32.55	32.5	30	29.5	27.5	26.5
TAN D664	0.15	0.15	0.15	0.12	0.15	0.15	0.15	0.15