



## **R&O Turbine Oils**

**R&O Turbine Oils are formulated to meet lubrication requirements of steam and gas turbines, air compressors, circulating systems, and many hydraulic applications. The R&O Turbine Oils are also recommended for service in most axial piston pumps, high pressure and high output. Low ash levels permit their use in automated machine tools and mobile or stationary applications that have stringent filterability requirements.**

### **Features/Benefits:**

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- **Inhibited against rust, corrosion, sludge, and foaming tendencies**
- **High viscosity index to minimize oil viscosity change with temperature**
- **Resistant to oxidation**
- **Excellent water separation**

### **Applications:**

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- **Systems having axial piston pumps**
- **Recommended for micro-filtration systems**
- **General hydraulic oil in industrial plants**
- **Mobile equipment requiring a premium rust and oxidation oil**
- **Automated machine tools**
- **High pressure system**
- **High output system**

**Additional Information on Reverse**



## R&O Turbine Oils

### Applications/Specifications:

R&O Turbine Oils Meet or Exceed the performance requirements of:

- High output system ANFOR E 48-600 HL
- High output system Cincinnati Machine: P-38 (ISO 32), P-45, P-54 (ISO 68), P-55 (ISO 46), P-57 & P-62
- High output system Denison HF-1
- High output system DIN 51524, Part 1
- High output system U.S. Steel 126

<b>Typical Physical Specifications:</b>				
<b>ISO Grade</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>
<b>API Gravity @ 60° F</b>	<b>30.7</b>	<b>29.1</b>	<b>30.2</b>	<b>29.2</b>
<b>Viscosity Index</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>99</b>
<b>Viscosity:</b>				
<b>cSt @ 100° C</b>	<b>5.4</b>	<b>6.8</b>	<b>8.8</b>	<b>11.3</b>
<b>cSt @ 40° C</b>	<b>32</b>	<b>46</b>	<b>68</b>	<b>100</b>
<b>SUS @ 210° F</b>	<b>44</b>	<b>49</b>	<b>56</b>	<b>65</b>
<b>SUS @ 100° F</b>	<b>165</b>	<b>237</b>	<b>352</b>	<b>522</b>
<b>Pour Point, °C (°F)</b>	<b>-32 (-26)</b>	<b>-30 (-22)</b>	<b>-22 (-9)</b>	<b>-20 (-5)</b>
<b>Flash Point, °C (°F)</b>	<b>207 (405)</b>	<b>212 (415)</b>	<b>221 (430)</b>	<b>260 (500)</b>
<b>Color, ASTM</b>	<b>L1.0</b>	<b>1.0</b>	<b>L1.5</b>	<b>1.5</b>
<b>ASTM Rust Test, A &amp; B</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Foam Test</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>
<b>Turbine Oil Stability Test, hrs.</b>	<b>3000+</b>	<b>3000+</b>	<b>3000+</b>	<b>3000+</b>