CHAMPION PDS  
PRODUCT DATA SHEET

QUANTUM ASHLESS R&O HYDRAULIC FLUID

Champion Quantum Ashless R&O series oils are extra long-life turbine oils formulated with severely hydrotreated and hydrofinished API Group II base oils for improved oxidation resistance, viscosity retention, and cold-flow properties. These oils demonstrate excellent protection against oxidation and corrosion, are more resistant to oxidative thickening, and keep parts cleaner than solvent-refined turbine oils, and have an extended operating life for reduced downtime and lower maintenance and disposal costs. Excellent for lubricating gas, steam and water turbines, low-load compressors and as extremely long-life heat transfer and circulating oils.

• Extended fluid life for longer service intervals  
• Excellent filterability and cleanliness  
• High thermal and oxidation stability  
• Excellent demulsibility and air release  

• Protects against corrosion  
• Good cold-start protection  
• Resists oxidative thickening  

Champion Quantum Ashless R&O series turbine oils meet or exceed the following specifications:

• GE GEK32568, GEK 10795, GEK 46506  
• Solar Turbined ES9-224  
• Alstom HTGD 90 117  
• MAG (CM) P-38, P-55, P-57  
• Siemens TLV  
• Parker HF-1  
• ISO 8068  
• DIN 51524-1, Type HL  
• DIN 51515-1, Type HL  
• DIN 51515-2  
• AGMA 9005-E02-RO  
• AIST 125  
• Parker HF-0 (bench tests only)

Available in:

<table>
<thead>
<tr>
<th>Part#</th>
<th>ISO Grade</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>4321AN</td>
<td>32</td>
<td>55 Gallon</td>
</tr>
<tr>
<td>4323AN</td>
<td>46</td>
<td>55 Gallon</td>
</tr>
<tr>
<td>4322AN</td>
<td>68</td>
<td>55 Gallon</td>
</tr>
<tr>
<td>4326AN</td>
<td>220</td>
<td>55 Gallon</td>
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PART# 4321 - ISO 32  
PART# 4323 - ISO 46  
PART# 4322 - ISO 68  
PART# 4326 - ISO 100

**Typical Properties**

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<tr>
<th>ISO Grade</th>
<th>32</th>
<th>46</th>
<th>68</th>
<th>220</th>
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<tbody>
<tr>
<td>Product No</td>
<td>4321</td>
<td>4323</td>
<td>4322</td>
<td>4326</td>
</tr>
<tr>
<td>Kinematic Viscosity @ 40°C, cSt</td>
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<td>220</td>
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<td>Kinematic Viscosity @ 100°C, cSt</td>
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<td>Viscosity Index</td>
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<td>106</td>
<td>104</td>
<td>100</td>
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<td>TOST (ASTM D943), hr</td>
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<td>10,000+</td>
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<td>Flash Point, °F (min)</td>
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</tbody>
</table>

FOR HEALTH / SAFETY INFORMATION - REFER TO THE SDS at WWW.CHAMPIONBRANDS.COM

CHAMPION BRANDS, LLC // CLINTON, MO // 800-821-5693 // SINCE 1956

REV 01/20