SHELL CLAVUS® OIL S 68
Ammonia refrigeration oil

Product Description
Shell Clavus® Oil S 68 is manufactured from highly refined paraffinic base stocks blended with a carefully balanced additive package designed to provide long service life and minimize system deposits. Shell Clavus® Oil S 68 is specifically formulated to meet the demanding needs of rotary screw compressors used in commercial ammonia refrigeration systems.

Applications
- designed primarily for use in rotary screw ammonia refrigeration compressors
- ammonia refrigeration compressors (rotary and reciprocating) where operating conditions are severe moderate and economical oils are desired
- hydraulic systems that operate below a maximum operating pressure of 1,000 psi

Features/Benefits
- reduced lubricant carryover
- excellent oxidation stability, which reduces oil thickening and deposit formation
- excellent thermal stability that minimizes formation of gums, varnishes and sludge deposits (demonstrated excellent performance in the European DIN 51538 AMAST test)
- excellent lubricity which guards against wear of compressor parts
- minimizes incidence of soap deposits
- excellent foam control
- extended service life

Note: Shell Clavus® Oil S 68 is NOT recommended for use with Freon or HFC refrigerants such as R-134a and is NOT recommended for use in breathing air compressors.
### Typical Properties of Shell Clavus® Oil S 68

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code No.</td>
<td></td>
<td>65515</td>
</tr>
<tr>
<td>Appearance</td>
<td></td>
<td>Light Pale</td>
</tr>
<tr>
<td>Gravity, °API</td>
<td>D 1298</td>
<td>32.5</td>
</tr>
<tr>
<td>Flash Point, COC, °F</td>
<td>D 92</td>
<td>450</td>
</tr>
<tr>
<td>Pour Point, °F</td>
<td>D 97</td>
<td>-35</td>
</tr>
<tr>
<td>Total Acid Number, mg KOH/g</td>
<td>D 974</td>
<td>0.05</td>
</tr>
<tr>
<td>Viscosity @ 40°C, cSt</td>
<td>D 445</td>
<td>65.3</td>
</tr>
<tr>
<td>Viscosity @ 100°C, cSt</td>
<td>D 445</td>
<td>9.09</td>
</tr>
<tr>
<td>Viscosity @ 100°F, SUS</td>
<td>(calc.)</td>
<td>337</td>
</tr>
<tr>
<td>Viscosity @ 210°F, SUS</td>
<td>(calc.)</td>
<td>56.9</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>D 2270</td>
<td>115</td>
</tr>
<tr>
<td>RBOT, mins</td>
<td>D 2272</td>
<td>750+</td>
</tr>
<tr>
<td>Foam, Sequence II</td>
<td>D 892</td>
<td>Trace</td>
</tr>
<tr>
<td>ml @ 0 minutes</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>ml @ 10 minutes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Copper Corrosion, 3 hrs @ 212°F</td>
<td>D 130</td>
<td>1a</td>
</tr>
<tr>
<td>DW Emulsion, Sep time, min</td>
<td>D 1401</td>
<td>10</td>
</tr>
</tbody>
</table>

### Handling & Safety Information
For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at [http://www.shell-lubricants.com/msds/](http://www.shell-lubricants.com/msds/). If you are a Shell Distributor, please call 1+800-468-6457 for all of your service needs. All other customers, please call 1+800-840-5737 for all of your service needs. Information is also available on the World Wide Web: [http://www.shell-lubricants.com/](http://www.shell-lubricants.com/).