# Unofficial TECHNICAL INFORMATION SHEET

**Additin® RC 9300** Additive Package

**Description:**
Ashless multifunctional oxidation, rust and wear inhibiting additive package - for antiwear hydraulic fluids according to: Denison HF-0, HF-1, HF-2; Cincinnati Machine P-68, P-69, P-70; DIN 51524, part 2 and 3 (HLP, HVLP); ISO 6743/4 (HM, HV);
ISO 11158 (HM, HV); AFNOR NF E 48-603 (HM, HV); SS 155434; SEB 181 222; U.S. Steel 126, 127 and 136 - for compressor oil according to: DIN 51506 (VBL, VCL, VDL); ISO / DP 6521 (DAA, DAB, DAH, DAG)

<table>
<thead>
<tr>
<th><strong>Composition</strong></th>
<th>combination of phosphorus-sulphur compounds with oxidation and corrosion inhibitors</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>yellow, clear liquid</td>
</tr>
<tr>
<td><strong>Nitrogen</strong></td>
<td>approx. 2.6 % weight</td>
</tr>
<tr>
<td><strong>Phosphorus</strong></td>
<td>approx. 14 % weight</td>
</tr>
<tr>
<td><strong>Sulfur</strong></td>
<td>approx. 1.7 % weight</td>
</tr>
<tr>
<td><strong>Viscosity, 40°C (ASTM-D 445)</strong></td>
<td>approx. 55 mm2/s</td>
</tr>
<tr>
<td><strong>Density, 20°C (ASTM-D 1298)</strong></td>
<td>approx. 975 kg/m3</td>
</tr>
</tbody>
</table>
Flash point, COC (ASTM-D 92)

approx. 140°C

Mineral Oil Content

approx. 23 % weight

**Application** - ashless high performance hydraulic fluids - compressor oils with antiwear properties

Additin RC 9300 is ideally suited for use in ashless hydraulic fluids for which the following high performance demands have to be met:

- very high oxidation stability (extended service life)
- high load carrying capacity
- good demulsification
- good corrosion protection against steel and non-ferrous metals
- good filterability

- excellent thermal and hydrolytic stability

Additionally Additin RC 9300 is also ideally suited for formulating compressor fluids with antiwear properties based on high quality mineral oil as well as PAO and PAO/ester mixtures.

According to requirements, the recommended treatment levels of Additin RC9300 are in the range of 0.45 to 0.6 % by weight.

**Solubility**

Soluble in mineral oils and synthetic base oils. However, it is necessary to verify the solubility in the base oils used and the compatibility with other additives.