Additin® RC 3775  
Antiwear Additive

**Type**  
Ashless antiwear additive with corrosion inhibiting properties and excellent FZG performance

<table>
<thead>
<tr>
<th>Technical data*</th>
<th>Composition</th>
<th>phosphorus-sulphur-nitrogen compound</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>yellow, high viscosity liquid</td>
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<tr>
<td>Phosphorus</td>
<td>approx. 3.8 % weight</td>
<td></td>
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<tr>
<td>Sulphur</td>
<td>approx. 6.2 % weight</td>
<td></td>
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<tr>
<td>Nitrogen</td>
<td>approx. 3.1 % weight</td>
<td></td>
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<tr>
<td>Viscosity, 40°C (ASTM-D 445)</td>
<td>high viscosity</td>
<td></td>
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<tr>
<td>Density, 20°C (ASTM-D 1298)</td>
<td>approx. 940 kg/m³</td>
<td></td>
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<tr>
<td>Flash point, COC (ASTM-D 92)</td>
<td>&gt; 150°C</td>
<td></td>
</tr>
<tr>
<td>Mineral oil content</td>
<td>none</td>
<td></td>
</tr>
</tbody>
</table>

**Application**  
- hydraulic fluids  
- turbine oils  
- compressor oils  
- metalworking fluids  
- gear oils  
- honing oils

Additin RC 3775 is an ashless EP and antiwear additive for formulating industrial lubricants and metalworking fluids. The recommended treatment levels in metalworking fluids are in the range 0.2 to 1.5 % by weight Additin RC 3775. By virtue of its specially selected raw materials Additin RC 3775 is ideally suited for formulating high temperature lubricants. In combination with suited antioxidants and corrosion inhibitors or packages, e.g. RC 9308 (approx. 0.3 % b.w.), Additin RC 3775 (approx. 0.25 % b.w.) can be used for the formulation of ashless hydraulic fluids and other industrial oil with FZG load carrying capacity.

**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.
Test results

Test results see Technical Reports

Packing unit

180 kg bung hole drum

Storage conditions

in a dry place at room temperature approx. 12 months

Handling

Before using Additin RC 3775 it should be heated up to approx. 80°C. Local overheating - above 100°C - must be avoided. Consult material safety data sheet (MSDS) for additional handling information on Additin RC 3775.

® = registered trade mark
* The analytical data are guide values.
Additin RC 3775 is on EINECS and TSCA inventory.

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