SPEC OIL HYDRAULIC OIL ISO 32, 46, 68, 100, 150, 220

DESCRIPTION
High quality anti-wear hydraulic fluid formulated for use in high pressure stationery and mobile hydraulic systems. Incorporates zinc phosphate additive technology.

APPLICATION
Not recommended for systems with silver plated components.

- Wide range of industrial hydraulic equipment.
- Hydraulics on construction and mobile equipment.
- Hydraulic systems with gear, vane or piston pumps.
- Industrial circulating systems.
- Machine tools and enclosed gear systems.
- Plastic injection moulding.

BENEFITS
- Outstanding pump and equipment protection, even in very severe operating conditions.
- Extends oil and equipment service life by avoiding problems such as servo valve sticking.
- Prolongs oil change intervals.
- Reduces yellow metal corrosion by controlling oil stability.
- Prevents downtime by minimising flow restrictions due to clogged filters and extends equipment life.
- Suitable for many other industrial applications.

SPECIFICATIONS
- DIN 51524 Part 2 (HLP) & Part 3 (HVLP)
- GM LS2
- ISO 11158 Categories HM and HV
- ASTM D 6158 Type HM and HV
- Afnor NF E 48-603 HM and HV
- US Steel 126 and 127
- Cincinnati P-68, P-69, P-70
- Denison HF-0, HF-1 and HF-2
- Eaton 694 for 35VQ25A (formerly M-2950 and I-286-S)

KEY PROPERTIES

<table>
<thead>
<tr>
<th>ISO Grade</th>
<th>32</th>
<th>46</th>
<th>68</th>
<th>100</th>
<th>150</th>
<th>220</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Release @ 50 °C; min</td>
<td>5.0</td>
<td>6.7</td>
<td>8.6</td>
<td>11.0</td>
<td>11.2</td>
<td>11.4</td>
</tr>
<tr>
<td>Viscosity @ 40 °C</td>
<td>32</td>
<td>46</td>
<td>68</td>
<td>100</td>
<td>150</td>
<td>220</td>
</tr>
<tr>
<td>Viscosity Cst @ 100 °C</td>
<td>5.4</td>
<td>6.7</td>
<td>8.6</td>
<td>11.1</td>
<td>14.8</td>
<td>20.3</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>99</td>
<td>98</td>
<td>97</td>
<td>96</td>
<td>95</td>
<td>95</td>
</tr>
<tr>
<td>Flash Point °C (Min)</td>
<td>210</td>
<td>220</td>
<td>226</td>
<td>240</td>
<td>254</td>
<td>262</td>
</tr>
<tr>
<td>Pour Point °C (Max)</td>
<td>-33</td>
<td>-30</td>
<td>-24</td>
<td>-22</td>
<td>-21</td>
<td>-18</td>
</tr>
</tbody>
</table>