AZOLLA ZS

Hydraulic oil

Very high performance anti-wear hydraulic oils.

APPLICATIONS

Hydraulic circuits

- Designed for use in all kinds of hydraulic systems running under the most difficult conditions, such as in machine tools, mould injection machines, presses and other industrial or mobile equipment.
- Also used in many other applications, where an universal high performance anti-wear lubricant is the first choice: low charged gears, sliding and roller bearings, air compressors, servo-motors and control systems equipped with fine filtration systems.

SPECIFICATIONS

International specifications

- AFNOR NF E 48-603 HM
- ISO 6743/4 HM
- DIN 51524 P2 HLP
- CINCINNATI MILACRON P68, P69, P70
- VICKERS M-2950S, M-286
- DENISON HF0, HF1, HF2 (T6H20C)

OEM

ADVANTAGES

Long equipment life time

- High protection against wear insuring maximum equipment life.
- Superior thermal stability avoiding formation of sludge even at high temperature.
- Very good oxidation stability ensuring a long service life of the fluid.
- Remarkable filterability even in the presence of water.

High operating reliability

- Excellent hydrolytic stability avoiding filter blocking.
- Excellent protection against rust and corrosion.
- Good anti-foam and air release properties by using silicon free components.
- Good demulsibility ensuring rapid water separation
- Reduced maintenance and operating costs.

<table>
<thead>
<tr>
<th>TYPICAL CHARACTERISTICS</th>
<th>METHODS</th>
<th>UNITS</th>
<th>AZOLLA ZS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (visual)</td>
<td>Internal</td>
<td>-</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Density at 15 °C</td>
<td>ISO 3675</td>
<td>kg/m³</td>
<td>846 866 875 880 884 888 892</td>
</tr>
<tr>
<td>Viscosity at 40°C</td>
<td>ISO 3104</td>
<td>mm²/s</td>
<td>10 22 32 46 68 100 150</td>
</tr>
<tr>
<td>Viscosity at 100°C</td>
<td>ISO 3104</td>
<td>mm²/s</td>
<td>2.6 4.4 5.4 6.8 8.7 11.2 14.5</td>
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<tr>
<td>Viscosity index</td>
<td>ISO 2909</td>
<td>-</td>
<td>100 102 102 100 100 100 97</td>
</tr>
<tr>
<td>Cleveland flash point</td>
<td>ISO 2592</td>
<td>°C</td>
<td>170 221 227 232 242 254 268</td>
</tr>
<tr>
<td>Pour point</td>
<td>ISO 3016</td>
<td>°C</td>
<td>-33 -30 -27 -27 -27 -21 -18</td>
</tr>
<tr>
<td>Filterability 0.8 µ without water</td>
<td>NF E 48-690</td>
<td>Index (IF)</td>
<td>1 1 1 1.02 1.01 1.05 1.05</td>
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<tr>
<td>Filterability 0.8 µ with water</td>
<td>NF E 48-691</td>
<td>Index (IF)</td>
<td>1.5 1.5 1.5 1.5 1.5 1.5 1.5</td>
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</tbody>
</table>

Above characteristics are mean values given as an information.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk.

A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or downloaded from www.quick-fds.com.