LUKOIL GEYSER ZF

Zink-free Hydraulic Oils for Heavy Duty Applications

APPROVALS
Denison HF-0, HF-1, HF-2 (ISO VG 32, 46, 68)
Krauss Maffei Berstorff (ISO VG 46, 68)
Bosch Rexroth 90220 (ISO VG 32, 46, 68)
WOOJIN PLAIMM (ISO VG 32, 46, 68)
Sumitomo (SHI) DEMAG (ISO VG 68)
AUTOMA (ISO VG 46)
ALTA (ISO VG 46)
Sulzer Pumps (ISO VG 46, 100)
Siemens (ISO VG 46)

MEETS REQUIREMENTS
DIN 51524-1 HL, 51524-2 HLP
Vickers I-286-S, M-2950-S (ISO VG 32, 46, 68)
Cincinnati machine P-68 (ISO VG 32)
Cincinnati machine P-69 (ISO VG 46)
Cincinnati machine P-70 (ISO VG 68)

PRODUCT DESCRIPTION
LUKOIL GEYSER ZF is outstanding hydraulic oils with extremely high level of purity that provide improved anti-wear protection of industrial and automotive hydraulic systems.

LUKOIL GEYSER ZF is blended with leading-edge zinc and chlorine-free additives. Due to using of modern technologies, they offer exceptional performance, and they are suitable for ultrafiltration systems with fine filters down to 1-5 micron. They ensure reliable and efficient operation of hydraulic systems, components, and tools under severe operating conditions.

APPLICATION
LUKOIL GEYSER ZF is used in hydraulic systems and gear drives in industrial, automotive, and marine equipment.

The product name in an order:
Hydraulic oil LUKOIL GEYSER ZF 100, TU 0253–012–79345251–2008

TYPICAL TEST DATA

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>Test methods</th>
<th>22</th>
<th>32</th>
<th>46</th>
<th>68</th>
<th>100</th>
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</thead>
<tbody>
<tr>
<td>Density at 20 °C, kg/m³</td>
<td>GOST 3900 / ASTM D4052</td>
<td>854.6</td>
<td>865.3</td>
<td>875.3</td>
<td>882.8</td>
<td>887.1</td>
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<tr>
<td>Kinematic viscosity at 40 °C, mm²/s</td>
<td>GOST 33 / ASTM D445</td>
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<td>Kinematic viscosity at 100 °C, mm²/s</td>
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<td>Viscosity index</td>
<td>GOST 25371 / ASTM D2270</td>
<td>115</td>
<td>117</td>
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<td>Flash Point, COC, °C</td>
<td>GOST 4333 / ASTM D92</td>
<td>212</td>
<td>223</td>
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<td>Pour Point, °C</td>
<td>GOST 20287 B</td>
<td>-46</td>
<td>-44</td>
<td>-38</td>
<td>-33</td>
<td>-30</td>
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<td>Foaming Tendency / Foam Stability:</td>
<td>ASTM D892</td>
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<td>-at 24°C, ml</td>
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<td>20/0</td>
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<td>-at 94°C, ml</td>
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<td>-at 24°C after test at 94°C, ml</td>
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<td>Cleanliness levels</td>
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<td>+/14/10</td>
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The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO "LLK-International".

v1.3_08.12.2015* Page 1/1
* This document supersedes all previous versions