CASSIDA FLUID HF Series

Product Information

Synthetic hydraulic fluids for food manufacturing machinery

CASSIDA FLUID HF 15, 32, 46, 68 and 100 are high performance, anti-wear multipurpose lubricants, specially developed for use in machinery used in the food and beverage processing and packaging industry.

They are based on a careful blend of synthetic fluids and selected additives chosen for their ability to meet the stringent requirements of the food industry.

Certified by NSF for ISO 21469 and registered by NSF (Class H1) for use where there is potential for incidental food contact. Produced according to FLT Quality Standards, in facilities where HACCP audit and Good Manufacturing Practice have been implemented and form part of the quality and hygiene management systems ISO 9001 and ISO 21469.

CERTIFICATIONS AND SPECIFICATIONS

- NSF H1
- NSF ISO 21469
- Kosher
- Halal
- DIN 51524 HLP
- DIN 51524 HVLP (except HF 15)
PERFORMANCE FEATURES
• The base fluid has an ability to provide superior lubrication under the majority of operating conditions
• Good anti-wear performance offers long and reliable component life, resulting in greater plant utilisation and therefore lower maintenance costs
• Prevent component damage through excellent water separation properties, which resist formation of potentially harmful emulsions
• Excellent air release and antifoam characteristics minimise cavitations
• Resist the formation of harmful products of oxidation, even at elevated temperatures, resulting in long oil life.
• Neutral odour and taste
• High viscosity index results in minimum variation of viscosity with change in temperature
• Effective protection against corrosion of metal surfaces

APPLICATIONS
• Hydraulic systems
• Hydrostatic gears
• Plain and anti-friction bearings
• General purpose lubrication including light duty gearboxes
• Circulating oil systems

SEAL AND PAINT COMPATIBILITY
Compatible with the elastomers, gaskets, seals and paints normally used in food machinery lubrication systems.

HANDLING AND STORAGE
All food grade lubricants should be stored separately from other lubricants, chemical substances and foodstuffs and out of direct sunlight or other heat sources. Store between 0 °C and +40 °C. Provided that the product has been stored under these conditions we recommend to use the product within 5 years from the date of manufacture. Upon opening a pack, the product must be used within 2 years (or within 5 years of date of manufacture, whichever is the sooner).

TYPICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>CASSIDA FLUID HF</th>
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<tbody>
<tr>
<td>NSF Reg. No.</td>
<td></td>
<td>144696 144697 144698 144699 144700</td>
</tr>
<tr>
<td>Colour</td>
<td></td>
<td>Colourless</td>
</tr>
<tr>
<td>Density at +15 °C kg/m³</td>
<td>ISO 12185</td>
<td>819 832 836 843 841</td>
</tr>
<tr>
<td>Flashpoint °C</td>
<td>ISO 2592</td>
<td>200 222 248 256 268</td>
</tr>
<tr>
<td>Pourpoint °C</td>
<td>ISO 3016</td>
<td>&lt; -60 -57 -57</td>
</tr>
<tr>
<td>Kin. Visc. at +40 °C mm²/s</td>
<td>ISO 3104</td>
<td>15 32 46 68 100</td>
</tr>
<tr>
<td>Kin. Visc. at +100 °C mm²/s</td>
<td>ISO 3104</td>
<td>3,6 6,1 7,9 10,9 14,1</td>
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<tr>
<td>Viscosity index ISO 2909</td>
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<td>125 140 142 151 143</td>
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<tr>
<td>FZG-Test A/8.3/90 Failure Load Stage ISO 14635-1</td>
<td>12 &gt; 12</td>
<td></td>
</tr>
<tr>
<td>Operating temperatures °C LLV 134**</td>
<td></td>
<td>-62/+100 -60/+140* -60/+140* -50/+140* -45/+140*</td>
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</tbody>
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* short peak up to +150 °C
** Lubritech Laboratory Method