**DESCRIPTION**

LUBRIPLATE Synthetic High Temp Fluid No. 220 is a 100% ester based synthetic fluid specifically designed for use on oven chains and other industrial bearing and gear applications in which high temperatures are encountered. The combination of an ashless additive system and the synthetic ester base provide protection against wear, rust, oxidation and corrosion. This fluid utilizes an enhanced coefficient of friction additive which will disperse and clean pre-existing carbon deposits on chains and bearings thereby reducing power consumption. This product delivers unsurpassed oxidation stability and anti-coking performance. It remains stable and clean in the application.

**APPLICATIONS**

Major applications include:
- Drying Ovens
- Textile - Tenter Frame Chains
- Wallboard - Dryer Chains
- Painting - Dryer Chains
- Lithographic Chains - Beverage Can Lines
- Glass - Forming Line Chains
- Laminating - Drying Lines
- Food Cookers & Frying
- Heat Treating - Chains & Bearings
- Kiln Support Rollers - Cement Plants (Trunions)
- Bakery Oven Chains

How to apply and at what temperature:
- Micro Lube Systems: 500°F
- Spray Systems: 500°F
- Mist Systems¹: 500°F
- Drip Bottle Systems: 500°F
- Drip Bottle with Brush: 500°F
- Hand Applied²: 500°F

¹ - Fire Safety precautions are necessary with this system when exposed to open flame
² - Apply @ 250° or less to minimize smoke. Also, run chain a few minutes to remove excess.

**ADVANTAGES**

- Eliminates carbon build-up on chains.
- Does not contain harmful VOC’s which pollute the atmosphere.
- Advanced ester chemistry reduces friction, wear and energy costs.
- High auto-ignition temperature to reduce the risk of oven fires >650°F.
- Superior film strength reduces oil consumption and reduces smoke.

**Typical Test Data**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>TYPICAL RESULTS*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity: cSt @ 40°C</td>
<td>ASTM D-445</td>
<td>220</td>
</tr>
<tr>
<td>Viscosity: cSt @ 100°C</td>
<td>ASTM D-445</td>
<td>19</td>
</tr>
<tr>
<td>API Gravity</td>
<td>ASTM D-287</td>
<td>14.4</td>
</tr>
<tr>
<td>Flash Point</td>
<td>ASTM D-92</td>
<td>554°F/290°C</td>
</tr>
<tr>
<td>Fire Point</td>
<td>ASTM D-92</td>
<td>626°F/330°C</td>
</tr>
<tr>
<td>Pour Point</td>
<td>ASTM D-97</td>
<td>-5°F/-21°C</td>
</tr>
<tr>
<td>Four-Ball Wear Test</td>
<td>ASTM D-2266</td>
<td>0.45 mm</td>
</tr>
</tbody>
</table>

**Type of Base Oil**
- Synthetic Ester

**PACKAGING AVAILABLE**
- 5 Gallon Pail: L0780-060
- 55 Gallon Drum: L0780-062

Remember to advise your customer that this chain oil contains an ester and when first applied to a used chain, he may experience a heavy cleaning action and must deal with dirt, contaminants and rust coming off the used chain. This will last ± two weeks and then the only thing coming off the chain will be a soft carbon when used in maximum temperature range.