EcoLine® Food Machinery Lubricating Grease

PRODUCT DESCRIPTION
EcoLine Food Machinery Lubricating Grease is a high-quality, corrosion inhibiting lubricant formulated with American-grown natural seed oil. This environmentally friendly lubricating and rust preventative grease, was specifically formulated to meet and exceed the demands of major food and meat processing plants. It conforms to USDA H-2 criteria and USFDA regulations 21CFR. The combination of FDA approved corrosion inhibitors and the specially formulated aluminum based thickener, provides superior protection and lubricity to most conventional greases.

In addition to lubricating, self-healing, and high flash point properties, this biodegradable lubricating grease provides a powerful combination of contact and vapor phase corrosion protection.

FEATURES
- USDA is a Certified biobased product
- Contains 92% biobased content
- USDA BioPreferred designated Food Grade Grease for Federal preferred purchasing
- Reduces friction and wear
- Provides superior lubricity to promote longer equipment life
- Biodegradable formula reduces damage to the environment
- Has high flash point for increased safety
- Conforms to USDA H-2 rating
- Conforms to FDA regulation 21CFR
- Meets EPA’s EPP criteria
- Manufactured from renewable American-grown crop-based oils
- Meets most manufacturers specifications
- Excellent corrosion protection for ferrous and colored metals
- Biodegradable when released into the environment
- Recommended for both operating and mothballed equipment
**METALS PROTECTED**
- Carbon Steel
- Stainless Steel
- Cast iron
- Aluminum and alloys
- Copper and alloys

**APPLICATION**

**Product Application:**
Product can be applied by brush, roll, or using standard grease guns.

**Product Cleanup:**
For cleanup of tools and overspray, use alkaline cleaners such as Cortec® VpCl-414 or mineral spirits.

**PACKAGING AND STORAGE**
EcoLine Food Machinery Lubricating Grease is available in 5 gallon (19 liter) plastic containers, 55 gallon (208 liter) metal drums, and 16 oz. (453.6 g) EcoLine® cartridges. EcoLine Food Machinery Lubricating Grease should be stored sealed. Shelf life is 24 months in sealed containers.

<table>
<thead>
<tr>
<th><strong>PROPERTY</strong></th>
<th><strong>DATA</strong></th>
<th><strong>METHOD OF EVALUATION</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Tan to brown grease</td>
<td>Visual</td>
</tr>
<tr>
<td>Non-Volatile</td>
<td>95-98.5</td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>7.4-8 lbs/gal</td>
<td>0.9-0.92 kg/l</td>
</tr>
<tr>
<td>Cane Penetration, unworked</td>
<td>310</td>
<td>ASTM-D217</td>
</tr>
<tr>
<td>Worked 60 strokes</td>
<td>340</td>
<td></td>
</tr>
<tr>
<td>4-Ball EP, Load Wear Index</td>
<td>N/A</td>
<td>ASTM-D-2296</td>
</tr>
<tr>
<td>4-Ball Wear Scar, mm</td>
<td>200</td>
<td>ASTM-D-2596</td>
</tr>
<tr>
<td>Corrosion Test (Salt Spray Cabinet)</td>
<td>200 hours</td>
<td>ASTM B-117</td>
</tr>
<tr>
<td>Thicker Type</td>
<td>Aluminum</td>
<td></td>
</tr>
<tr>
<td><strong>BASE OIL</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td></td>
<td></td>
</tr>
<tr>
<td>@40°C, cSt</td>
<td>40</td>
<td>ASTM D-445</td>
</tr>
<tr>
<td>@100°C, cSt</td>
<td>8.6</td>
<td>ASTM D-445</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>201</td>
<td>ASTM D2270</td>
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<tr>
<td>Pour Point °C/F</td>
<td>-12/10.4</td>
<td>ASTM D-97</td>
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<tr>
<td>Flash Point, °C/F</td>
<td>326/618.8</td>
<td>ASTM D-92</td>
</tr>
<tr>
<td>Fire Point, °C/F</td>
<td>358/676.4</td>
<td>ASTM D-92</td>
</tr>
</tbody>
</table>

**LIMITED WARRANTY**

All statements, technical information and recommendations contained herein are based on tests Cortec Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

**FOR INDUSTRIAL USE ONLY**
KEEP OUT OF REACH OF CHILDREN
KEEP CONTAINER TIGHTLY CLOSED
NOT FOR INTERNAL CONSUMPTION
CONSULT SAFETY DATA SHEET FOR MORE INFORMATION

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