VANLUBE® 407 Lubricant Additive is a liquid blend of octylated phenyl-alpha-naphthylamine with other proprietary antioxidants. This unique combination provides exceptional antioxidant performance in PDSC (ASTM D6186) and RPVOT (ASTM D2272) at very low treat rates. VANLUBE 407 is approved by NSF for use in USDA HX-1 food grade lubricants with incidental food contact.

### CHEMICAL COMPOSITION

Blend of octylated phenyl-alpha-naphthylamine with proprietary antioxidants

### TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear light amber liquid</td>
</tr>
<tr>
<td>Nitrogen Content, %</td>
<td>6.2</td>
</tr>
<tr>
<td>Sulfur Content, %</td>
<td>15.8</td>
</tr>
<tr>
<td>Density @ 25 °C, Mg/m³</td>
<td>1.02</td>
</tr>
<tr>
<td>Viscosity at 100 °C, mm²/s</td>
<td>23.7</td>
</tr>
<tr>
<td>Flash Point CCCFP, °C</td>
<td>212</td>
</tr>
<tr>
<td>Moisture Content, %</td>
<td>0.02</td>
</tr>
</tbody>
</table>

*The analytical data listed above are not specifications

### APPLICATIONS

- Industrial Oil
- Turbine Oil
- Greases
- Food grade HX-1 lubricants
- Compressor Oil
- Food grade HX-1 lubricants

### ADVANTAGES

- Outstanding antioxidant in high temperature applications
- Powerful antioxidant for boosting RPVOT ASTM D2272 performance
- Clear liquid product with high concentration of active ingredients
- Simple to handle & easily transferable
- Lower cost compared to alkylated phenyl-a-naphthylamine
- Contains all NSF food grade approved materials

### SOLUBILITY

- Soluble in mineral oils, polyalkylene glycols, synthetic esters and most non-polar synthetic base oils.

### STANDARD PACKAGING

450 lb drum

*Please see user advisory on next page.*
Before using, read, understand and comply with the information and precautions in the Safety Data Sheets, label and other product literature. The information presented herein, while not guaranteed, was prepared by technical personnel and, to the best of our knowledge and belief, is true and accurate as of the date hereof. No warranty, representation or guarantee, express or implied, is made regarding accuracy, performance, stability, reliability or use. This information is not intended to be all-inclusive, because the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. The user is responsible for determining the suitability of any material for a specific purpose and for adopting such safety precautions as may be required. Vanderbilt Chemicals, LLC does not warrant the results to be obtained in using any material, and disclaims all liability with respect to the use, handling or further processing of any such material. No suggestion for use is intended as, and nothing herein shall be construed as, a recommendation to infringe any existing patent, trademark or copyright or to violate any federal, state or local law or regulation.

**STORAGE AND HANDLING**

**STORAGE**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10 of SDS) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**HANDLING**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

**REGISTRATION**

Please refer for section 15 of SDS for regulatory information

- Kosher Approved
- NSF Certified

**CONTACT INFORMATION**

For samples, product information and/or technical service please contact Vanderbilt Chemicals, LLC or the Vanderbilt representative in your area:

**Vanderbilt Chemicals, LLC**

30 Winfield Street, P.O. Box 5150  
Norwalk, CT 06856-5150  
P: (203) 853-1400  
F: (203) 853-1452  
www.vanderbiltchemicals.com

**Vanderbilt (Beijing) Trading, Ltd**

Room 220A, Tower A  
No. 8 Hengfeng Road  
Science Town, Fengtai District  
Beijing 100070 P. R. China  
P: 011-86 10 56541176  
F: 011-86 10 56541175

**Vanderbilt Worldwide Ltd**

12 Park House Alvaston Business Park, Middlewich Road  
Nantwich, Cheshire, CW5 6PF  
United Kingdom  
www.vanderbiltworldwide.com

rev 06/22/2016