HiTEC® 355
Extended-drain Heavy-duty Gear Axle Additive

Designed for Use in Mineral Base Oils
HiTEC® 355  Extended-drain Heavy-duty Gear Axle Additive

**Application**

HiTEC® 355 long drain axle additive is used to formulate fluids meeting the needs of heavy duty axles. HiTEC® 355 technology was field tested in Dana and Meritor front and rear axles under severe service conditions. One hundred trucks were run in this field evaluation for up to 500,000 miles each.

While recommended for heavy duty axle applications, lubricants formulated with HiTEC® 355 are not currently approved against DANA SHAES-256 Rev C.

Oils formulated with HiTEC® 355 in appropriate base oil/VI combinations meet the following specifications and approvals:

- Meritor O-76Q
- Mack G0-J
- SAE J 2360 (MIL-PRF-2105E)
- API GI-5 and MT-1

Please contact your Afton Chemical representative for details.

**Key Performance Benefits**

- Provides protection against rust and corrosion
- Provides for excellent power divider operation
- Highly stable, will not separate, and maintains effectiveness in presence of heat and water
- Designed to deliver outstanding cold temperature performance - low temperature performance equivalent to synthetic oils
- Effectively inhibits oxidation and resists the effects of heat
- Compatible with synthetic and mineral-based gear lubricants
- Resists deposit formation to protect seals
- Provides outstanding anti-foam protection

**Typical Characteristics**

- Appearance Clear dark amber liquid
- Specific Gravity @ 15.6/15.6°C 1.004
- Density, lbs/gal. 8.36
- Viscosity @ 100°C, cSt. 23
- Flash Point, °C (PMCC) 85 min.

**Handling Information**

- Max Handling Temp: 65°C
- Shelf Life: 12 months @ ambient temperature

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**Treat Rate & Claims**

<table>
<thead>
<tr>
<th>Product</th>
<th>Treat Rate (Wt% (Vol%))</th>
<th>API GL-5</th>
<th>API GL-4</th>
<th>Meritor O-76Q</th>
<th>Mack G0-J</th>
<th>MIL-PRF-2105E</th>
<th>SAE J2360</th>
<th>NAVISTAR 6816</th>
<th>API MT-1</th>
<th>API GL-3</th>
<th>API GL-2</th>
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<tbody>
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<td>HiTEC® 355</td>
<td>11.2% (9.8)</td>
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<td>HiTEC® 355</td>
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- ☀ Approvable
- ☀ Meets requirements
- ☀ Suitable for use
- ☀ Formal approval
- ☀ Self-certifying
- ☀ Obsolete

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