### OVERVIEW
- Heavy duty, synthetic gear and bearing lubricants designed for use in manual transmissions, transfer cases and differential axles of trucks, farm tractors, construction, passenger cars and miscellaneous industrial equipment.
- Maximum protection for gears and bearings operating over a wide range of temperatures, speeds, and loads. Superb resistance to oxidation provides the benefit of extended drain intervals.
- Available in SAE 75W-90, 80W-140, and 50.

### FEATURES & BENEFITS
- Superior oxidation resistance for extended drain intervals.
- Excellent load-carrying properties (SAE 75W-90 and 80W-140) for maximum protection against component wear.
- High viscosity index and low pour point synthetic base stocks provide reduced fluid friction, with resultant fuel savings potential during low-temperature start-up or operating conditions.
- Excellent demulsibility (separates water readily) and does not foam.
- Shear-resistant for lasting viscosity performance.
- Provides full protection to system parts against rust and corrosion.

### APPLICATIONS
- SAE 75W-90 and 80W-140 grades are recommended for differentials, manual transmissions for which hypoid-type lubricants are required, and transfer cases for heavy equipment: trucks, tractors, industrial gear drives, automobiles, farm machinery, etc.
- Meet or exceed the following performance requirements:
  - API Service Classification GL-5 and MT-1
  - SAE J2360; former U.S. Military Specifications MIL-L-2105D and MIL-PRF-2105E
  - DANA SHAES 256, Rev. C (75W-90)
  - DANA SHAES 429
  - Mack GO-J Plus (75W-90)
  - Mack GO-J (80W-140)
  - Meritor O-76N (75W-90)
  - Meritor 076-Q/R (80W-140)
  - Navistar MPAPS B-6821 (75W-90)
  - International TMS-6816 (80W-140)
## Typical Properties for CITGO Synthetic Gear Lubricants:

<table>
<thead>
<tr>
<th>SAE Grade</th>
<th>75W-90</th>
<th>80W-140</th>
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<td>Material Code</td>
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<td>API Classification</td>
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<td>AGMA Grade</td>
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<td>5-6</td>
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<tr>
<td>Gravity, ASTM D4052, °API</td>
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<td>31.5</td>
<td>33.1</td>
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<tr>
<td>Pounds Per Gallon</td>
<td>7.14</td>
<td>7.23</td>
<td>7.16</td>
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<tr>
<td>Flash Point ASTM D92, °F (°C)</td>
<td>405 (204)</td>
<td>410 (210)</td>
<td>435 (224)</td>
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<td>Pour Point, ASTM D97, °F (°C)</td>
<td>-65 (-54)</td>
<td>-54 (-48)</td>
<td>-49 (-45)</td>
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<td>Color, ASTM D1500</td>
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<td>1.5</td>
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<td>Viscosity ASTM D445</td>
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<tr>
<td>cSt at 40°C</td>
<td>111</td>
<td>273</td>
<td>128</td>
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<td>cSt at 100°C</td>
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<td>Viscosity Index</td>
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<td>Brookfield Viscosity ASTM D2270</td>
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<tr>
<td>cP at -18°C</td>
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<td>cP at -26°C</td>
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<td>cP at -40°C</td>
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<td>Pass</td>
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