Shell ROTELLA® T6 5W-40

Performance, Features & Benefits

Shell ROTELLA® T6 full synthetic heavy duty engine oil with Triple Protection Plus™ technology has been enhanced with fully synthetic base oil plus advanced additive technology to provide protection against wear, deposits and oil breakdown PLUS better low temperature flow and better fuel economy performance.

Key benefits include; compatibility with exhaust emissions control systems, protection in extreme operating temperatures and fuel economy performance.

- **Better fuel economy**
  Through the use of Shell’s most advanced technology, Shell ROTELLA® T6 full synthetic heavy duty engine oil offers enhanced fuel economy capability of 1.5%* that can save money in fuel consumption, without compromising engine protection or durability. *Compared to 15W-40 oils

- **Improved wear performance**
  Provides a significantly increased level of protection against harmful engine wear when compared to previous generation API CJ-4 engine oils.

- **Improved deposit control**

The advanced multi-functional dispersant additives in combination with synthetic base oils provide an enhanced level of protection against the effects of soot, dirt and other contaminants.

- **Improved heat resistance**
  Shell ROTELLA® T6 full synthetic heavy duty engine oil resists breakdown by heat to provide continuous protection throughout the service interval.

- **Emissions system compatibility**
  Advanced low-ash formulation helps control blocking of or poisoning of exhaust after-treatment devices, helping maintain vehicle emission compliance and engine fuel efficiency.

- **Outstanding shear stability**
  Shell ROTELLA® T6 Synthetic oil resists viscosity loss through shear and will maintain optimal oil pressure in the engine.

- **Protection in extreme climates**
  Shell ROTELLA® T6 Synthetic heavy duty engine oil provides improved low temperature flow compared to a conventional SAE 15W-40.
Typical Physical Characteristics

<table>
<thead>
<tr>
<th>Properties</th>
<th>Method</th>
<th>Shell ROTELLA T6 5W-40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinematic Viscosity @40°C mm²/s</td>
<td>ASTM D445</td>
<td>90</td>
</tr>
<tr>
<td>Kinematic Viscosity @100°C mm²/s</td>
<td>ASTM D445</td>
<td>14.9</td>
</tr>
<tr>
<td>Dynamic Viscosity @-30°C mPa.s</td>
<td>ASTM D5293</td>
<td>6300</td>
</tr>
<tr>
<td>Total Base Number mg KOH/g</td>
<td>ASTM D2896</td>
<td>10.2</td>
</tr>
<tr>
<td>Sulfated Ash %</td>
<td>ASTM D874</td>
<td>1.0</td>
</tr>
<tr>
<td>Density @15°C kg/l</td>
<td>ASTM D4052</td>
<td>0.846</td>
</tr>
<tr>
<td>Flash Point (COC) °C</td>
<td>ASTM D92</td>
<td>233</td>
</tr>
<tr>
<td>Pour Point °C</td>
<td>ASTM D97</td>
<td>-51</td>
</tr>
</tbody>
</table>

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

* Health and Safety
  Shell ROTELLA® T6 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
  Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.
  Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

* Protect the Environment
  Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

* Advice
  Advice on applications not covered here may be obtained from your Shell representative.