Shell Advance 4T Ultra 10W-40

Fully Synthetic Motorcycle 4 Stroke engine oil

Shell Advance 4T Ultra with R.C.E Technology is a unique, fully synthetic lubricant designed to provide Shell's ultimate engine protection and performance for all kinds of modern bikes. The latest generation of motorcycle engines require premium synthetic oils to maintain the highest standards of protection and performance, whatever the engine size.

Shell Advance's R.C.E.* Technology helps your bike perform to its peak potential, making it responsive to your slightest touch.

*R.C.E. Technology is designed to deliver:
1. Increased oil performance Reliability by helping to remove deposits and maintain oil viscosity to give superior engine protection.
2. Enhanced Control by smoothing clutch engagement and preventing slippage.
3. Enjoyable ride by reducing vibration and damping engine noise.

The technology has been race proven and endorsed by leading motorcycle manufacturers. The product exceeds the requirements of all motorcycle manufacturers.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

• **Oil performance Reliability**
  
  Fully Synthetic lubricant technology designed to offer ultimate protection and oil performance reliability.

  Enhanced cleanliness control: Prevention and removal of sludge and engine deposits.

  Ultimate wear protection against valve train wear.

• **Enhanced Control**
  
  Increased friction control; optimised friction control for smoother clutch engagement & gear changes.

• **Enjoyable Ride**
  
  Reduced vibration and engine noise; enhanced shear stability for a quieter and smoother ride.

Specifications, Approvals & Recommendations

• API SM

• JASO MA2

  Shell Advance 4T Ultra exceeds the requirements of all Japanese, European, Indian and Chinese motorcycle manufacturers.

  The product is endorsed by Ducati.

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Main Applications

• High-performance air and water-cooled four stroke motorcycle engines, including race-tuned and ones with integral gearboxes and wet clutches.

• Motorcycle gearboxes that must be lubricated by engine oils, including some gearboxes present in two stroke bikes and scooters.
Typical Physical Characteristics

<table>
<thead>
<tr>
<th>Properties</th>
<th>Method</th>
<th>Shell Advance 4T Ultra 10W-40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinematic Viscosity</td>
<td>@40°C mm²/s</td>
<td>ASTM D445 98.6</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>@100°C mm²/s</td>
<td>ASTM D445 15.8</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td></td>
<td>ISO 2909 172</td>
</tr>
<tr>
<td>Density</td>
<td>@15°C kg/m³</td>
<td>ASTM D4052 858</td>
</tr>
<tr>
<td>Flash Point (COC)</td>
<td>°C</td>
<td>ISO 2592 230</td>
</tr>
<tr>
<td>Pour Point</td>
<td>°C</td>
<td>ISO 3016 -36</td>
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</tbody>
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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 Advance 4T Ultra 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 Safety Data Sheet, which can be obtained from http://www.epc.shell.com

- **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.