Technical Data Sheet (TDS)

PUMA 2 STROKE MOTORBIKE OIL

2 Stroke Motorbike Oil

Puma 2 Stroke Motorbike Oil is a lubricant for use in gasoline-oil (petrol) mixtures employed in air-cooled and water-cooled two-stroke engines of scooters, mopeds and small agricultural implements as well as accessories. It is formulated with selected components and is perfectly compatible for mixing with all unleaded gasolines.

Designed to Perform

Low Ash Package

Puma 2 Stroke Motorbike Oil is formulated with a complete package of low-ash additives having good detergent characteristics which ensure a clean engine and a clean exhaust system.

Anti-wear Protection – Longer Equipment Life

Proven Anti Wear Additive packages provide greater resistance to sliding wear thus ensuring efficiency and long life of all moving parts of which greatly reduce the need for engine servicing and overhauls.

Anti-corrosion & Anti-rust Properties

It has particularly good anticorrosion properties which effectively protect the engine from corrosion, combustion moisture and acids. These additives inhibit the oxidation of internal surfaces of the engine and therefore prevent operating difficulties and breakdown of the oil caused by metallic oxides that would otherwise form within the engine.

Unleaded Gasoline Usage

Two Stroke ensures perfect engine operation even with unleaded gasoline

Puma 2 Stroke Motorbike Oil

Meets the requirements of the following specifications:

\[ \text{API : TA / TB} \]

Typical Physical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Temp</th>
<th>Units</th>
<th>Test Methods</th>
<th>2 Stroke</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinematic Viscosity</td>
<td>@ 40°C</td>
<td>cSt</td>
<td>ASTM D445</td>
<td>107</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>@ 100°C</td>
<td>cSt</td>
<td>ASTM D445</td>
<td>11.9</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td></td>
<td></td>
<td>ASTM D4292</td>
<td>100</td>
</tr>
<tr>
<td>Flash Point (COC)</td>
<td></td>
<td>°C</td>
<td>ASTM D92</td>
<td>85</td>
</tr>
<tr>
<td>Pour Point</td>
<td></td>
<td>°C</td>
<td>ASTM D97</td>
<td>-24</td>
</tr>
<tr>
<td>Density</td>
<td>@ 15 °C</td>
<td>kg/m³</td>
<td>ASTM 4052</td>
<td>0.88</td>
</tr>
</tbody>
</table>

These characteristics are typical of current product methods whilst future production will conform to Puma Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper 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 (MSDS) which can be obtained from lubricants@pumaenergy.com

Protect the Environment

- Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- Technical advice may be obtained from your Puma Energy Representative.