Technical Data Sheet (TDS)

PUMA CHAIN LUBE
Lubrication of Chain Lube Guides & Chains

Puma Chain Lube is a mineral based oil specifically formulated for the lubrication of chain lube guides and chains.

Designed to Perform

Anti-corrosion & Anti-rust Properties
These inhibit the oxidation of internal and external surfaces of chains and therefore prevent operating difficulties and breakdown of the oil caused by metallic oxides that would otherwise form within the machinery.

Lubricating Properties
Puma Chain Lube has good lubricating properties providing rust protection and possessing high emulsibility.

Highly Adhesive
Being highly adhesive and cohesive Puma Chain Lube resists displacement from lubricated parts by dripping or run-out due to gravity action, centrifugal force and vibration. The adhesive properties of this product guarantee proper lubrication of the chain also under difficult conditions. The oil also provides certain advantages regarding cleanliness, since it avoids excessive contamination of the material being processed.

Performance Characteristics
Puma Chain Lube is suitable for the manual or automatic lubrication of Chain Lubes.

Typical Physical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Temp</th>
<th>Units</th>
<th>Test Methods</th>
<th>Puma Chain Lube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinematic Viscosity</td>
<td>@ 40°C</td>
<td>cSt</td>
<td>ASTM D445</td>
<td>150</td>
</tr>
<tr>
<td>Density</td>
<td>@ 15 °C</td>
<td>kg/m³</td>
<td>ASTM 4052</td>
<td>0.895</td>
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</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 on any applications not covered here may be obtained from your Puma Energy Representative.