Biolube 2T
Biodegradable 2-stroke engine oil

**Description**
Biolube 2T is a fully synthetic biodegradable 2-stroke engine oil for use in water-cooled outboard and personal watercraft engines, including those from leading Japanese and American manufacturers where NMMA TC-W 3 lubricants are specified.

**Application**
Biolube 2T is specially formulated to combine the requirements of high performance engines with environmental demands such as biodegradability and low hydrocarbon emissions. It is readily miscible with fuel and contains selected ashless additives to provide exceptional overall engine cleanliness, thermal stability and reduced spark plug fouling.

Biolube 2T is suitable for use in premix and oil injection systems with both leaded and unleaded petrol for fuel/oil mixture ratios, as recommended by the engine manufacturer, up to 100:1.

**Advantages**
- Outstanding lubricity, thus extending engine life.
- Proven under high stress race conditions.
- Excellent engine cleanliness which reduces spark plug deposits.
- Rapid biodegradability providing environmental protection.
- Outstanding storage protection.

**Typical Characteristics**

<table>
<thead>
<tr>
<th>Name</th>
<th>Method</th>
<th>Units</th>
<th>Biolube 2T</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density @ 15°C, Relative</td>
<td>ASTM D4052 / ISO 12185</td>
<td>g/ml</td>
<td>0.895</td>
</tr>
<tr>
<td>Viscosity, Kinematic 40°C</td>
<td>ASTM D445 / ISO 3104</td>
<td>cSt</td>
<td>49</td>
</tr>
<tr>
<td>Viscosity, Kinematic 100°C</td>
<td>ASTM D445 / 3104</td>
<td>cSt</td>
<td>8.4</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>ASTM D2270 / ISO 2909</td>
<td>-</td>
<td>149</td>
</tr>
<tr>
<td>Flash Point (closed)</td>
<td>ASTM D93 / ISO 2719</td>
<td>°C</td>
<td>222</td>
</tr>
<tr>
<td>Pour Point</td>
<td>ASTM D97 / ISO 3016</td>
<td>°C</td>
<td>-39</td>
</tr>
</tbody>
</table>

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

**Additional Information**
The biodegradability of Biolube 2T has been established by European test method CEC L-33-A93
The results confirmed that, depending upon natural conditions, it will biodegrade in water over 80% within 21 days, which is far superior biodegradability than that of conventional mineral based 2-stroke engine oils.

**Storage**
All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to
avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.