**Injex® TC-W3® 2-Cycle Motor Oil**

Phillips 66® Injex TC-W3 2-Cycle Motor Oil is a premium quality, ashless engine oil specially designed for use in water-cooled and most air-cooled 2-stroke cycle engines. It is specially formulated to provide protection equivalent to many OEM-branded 2-cycle engine oils. It is TC-W3® certified by the National Marine Manufacturers Association (NMMA), and also meets API TC and JASO FB performance requirements for use in air-cooled 2-stroke cycle engines. It may be used in either direct injection (DI) or premix engines.

Injex TC-W3 2-Cycle Motor Oil is formulated to minimize piston ring sticking and exhaust port deposits to maintain good power output in 2-stroke cycle engines. It also protects against piston and cylinder scuffing and helps reduce spark plug fouling and pre-ignition problems. It provides rust and corrosion protection in service and during storage. It is pre-diluted with a high-flash solvent for easy mixing with gasoline at low temperatures for premix applications. It contains a synthetic polymer to help reduce exhaust smoke.

**Applications**

- Outboard marine engines
- Personal watercraft
- Motorcycles, scooters, and all-terrain vehicles (ATVs)
- Snowmobiles
- Low output chainsaws
- Lawn-care equipment (mowers, weed trimmers, leaf blowers)

Injex TC-W3 2-Cycle Motor Oil is licensed under the following industry specification:

- NMMA TC-W3® (Certification No. RL-01371R)

Injex TC-W3 2-Cycle Motor Oil meets or exceeds the requirements of:

- API Service TC
- JASO FB
- NMMA TC-WII®, TC-W® (obsolete specifications)

**Features/Benefits**

- Formulated to provide protection equivalent to many OEM-branded 2-cycle oils
- Exceeds major outboard manufacturers warranty requirements
- Ashless detergent/dispersant formulation helps minimize engine deposits and pre-ignition
• Minimizes piston ring sticking and helps reduce exhaust port blocking
• Protects against piston and cylinder scuffing
• Excellent lubricity for use in high-output outboard engines
• Reduces spark plug fouling
• Excellent rust and corrosion protection
• Keeps engine parts clean
• Mixes easily with gasoline at low temperatures for premix applications
• Dyed for easy visibility when mixed with gasoline
• Suitable for either direct oil injection or premix engines

[Note: For premix engines, always follow the manufacturer’s recommendation for choosing the proper fuel-to-oil mixing ratio.]

Injex® TC-W3® 2-Cycle Motor Oil

<table>
<thead>
<tr>
<th>Typical Properties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity @ 60°F</td>
<td>0.865</td>
</tr>
<tr>
<td>Density, lbs/gal @ 60°F</td>
<td>7.20</td>
</tr>
<tr>
<td>Color, ASTM D1500</td>
<td>Blue</td>
</tr>
<tr>
<td>Flash Point (COC), °C (°F)</td>
<td>108 (226)</td>
</tr>
<tr>
<td>Flash Point (PMCC), °C (°F)</td>
<td>81 (178)</td>
</tr>
<tr>
<td>Pour Point, °C (°F)</td>
<td>-44 (-47)</td>
</tr>
<tr>
<td>Viscosity, Brookfield, cP @ -25°C</td>
<td>6,200</td>
</tr>
<tr>
<td>Viscosity, Kinematic</td>
<td></td>
</tr>
<tr>
<td>cSt @ 40°C</td>
<td>40.7</td>
</tr>
<tr>
<td>cSt @ 100°C</td>
<td>7.1</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>132</td>
</tr>
<tr>
<td>Sulfated Ash, ASTM D874, wt %</td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet via [http://www.phillips66.com/EN/products/Pages/MSDS.aspx](http://www.phillips66.com/EN/products/Pages/MSDS.aspx).