TROJAN AW-SERIES
ANTI-WEAR HYDRAULIC OILS

Trojan AW (Anti-Wear Hydraulic Oils) have been developed to meet the demanding requirements of today’s high-pressure, high-output pumps and hydraulic systems. Excellent thin oil film protection is provided to protect pump vanes, pistons, control valves, and actuators found in industrial, marine, or mobile applications.

- Excellent quality high VI paraffinic basestocks
- Anti-wear protection, reduces wear to a minimum
- Rust inhibitor helps fight rust due to contaminants and condensation found in most systems.
- Oxidation inhibitor ensures oil longevity
- Balanced foam inhibition helps to ensure proper hydraulic response and heat transfer.
- Pour depressants improve flow properties at low temperatures.
- Conforms to manufacturer specifications for Vickers, Abex Dennison, and Racine pumps.
- Approved under Dennison’s HF-0 and Cincinnati Milacron’s Anti-Wear Hydraulic Oil and Lubricant Specifications.
- Also meets or exceeds the requirements of DIN 51524 Part 2.

Typical Properties:

<table>
<thead>
<tr>
<th>ISO Viscosity Grade</th>
<th>32</th>
<th>46</th>
<th>68</th>
<th>100</th>
<th>150</th>
<th>220</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity, cSt @ 40°C</td>
<td>32</td>
<td>46</td>
<td>68</td>
<td>100</td>
<td>150</td>
<td>220</td>
</tr>
<tr>
<td>Viscosity, cSt @ 100°C</td>
<td>5.34</td>
<td>6.7</td>
<td>8.6</td>
<td>11.2</td>
<td>14.7</td>
<td>19.1</td>
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<tr>
<td>Viscosity Index</td>
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<td>99</td>
<td>98</td>
<td>97</td>
<td>97</td>
<td>97</td>
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<tr>
<td>API Gravity @ 60°F</td>
<td>31.0</td>
<td>30.5</td>
<td>29.5</td>
<td>29.2</td>
<td>28.7</td>
<td>28.4</td>
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<tr>
<td>Flash Point, COC, °F</td>
<td>400</td>
<td>430</td>
<td>445</td>
<td>465</td>
<td>475</td>
<td>490</td>
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<tr>
<td>Pour Point, °F</td>
<td>-25</td>
<td>-20</td>
<td>-20</td>
<td>-10</td>
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<td>10</td>
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<tr>
<td>Color, ASTM D-1500</td>
<td>1.0</td>
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<td>2.0</td>
<td>2.0</td>
<td>2.5</td>
<td>2.5</td>
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<tr>
<td>Total Acid Number: ASTM D-664</td>
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<td>Rust, ASTM D-665</td>
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<td>Pass</td>
<td>Pass</td>
<td>Pass</td>
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<tr>
<td>C.M. Spec. Number</td>
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<td>P-70</td>
<td>P-69</td>
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<td>Foam Test ASTM D-892, 10 Minutes</td>
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<td>Demulsibility ASTM D1401, Minutes</td>
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<td>20</td>
<td>20</td>
<td>20</td>
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<tr>
<td>Specific Heat @ 100°F: BTU/LB/°F</td>
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<td>0.464</td>
<td>0.462</td>
<td>0.462</td>
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</tr>
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</table>

September 07