POWEROIL TO 10 BS

POWEROIL TO 10 BS is an Uninhibited Transformer Oil meeting BS 148 Class II : 1984 Standard Specification. It also meets the ASTM D 1275 B Test requirement for Corrosive Sulphur.

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Characteristics</th>
<th>Unit</th>
<th>Test Method</th>
<th>Guaranteed Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Min</td>
</tr>
<tr>
<td>1</td>
<td>Appearance</td>
<td></td>
<td>Representative sample of the oil shall be examined in transmitted light under an oil depth of 100 mm at ambient temperature</td>
<td>Clear free from sediment and suspended matter</td>
</tr>
<tr>
<td>2</td>
<td>Density at 20 °C</td>
<td>kg / dm³</td>
<td>BS 4714</td>
<td>0.895</td>
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<tr>
<td>3</td>
<td>Kinematic Viscosity at 40 °C at - 30 °C</td>
<td>mm² / sec</td>
<td>BS 2000 Part 71</td>
<td>11</td>
</tr>
<tr>
<td>4</td>
<td>Flash Point, PMCC</td>
<td>°C</td>
<td>BS 2000 Part 34</td>
<td>130</td>
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<tr>
<td>5</td>
<td>Pour Point</td>
<td>°C</td>
<td>BS 2000 Part 15</td>
<td>- 45</td>
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<tr>
<td>6</td>
<td>Neutralization Value</td>
<td>mg KOH/ gm</td>
<td>BS 2000 Part 1</td>
<td>0.03</td>
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<tr>
<td>7</td>
<td>Water Content, Bulk / Drum</td>
<td>ppm</td>
<td>BS 6470</td>
<td>30 / 40</td>
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<tr>
<td>8</td>
<td>Breakdown Voltage</td>
<td></td>
<td>BS 5874</td>
<td></td>
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<tr>
<td></td>
<td>As Delivered</td>
<td></td>
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<td>30</td>
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<tr>
<td>9</td>
<td>Dielectric Dissipation Factor (Tan δ ) at 90 °C &amp; 40 to 62 Hz</td>
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<td>BS 573</td>
<td>0.005</td>
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<tr>
<td>10</td>
<td>Corrosive Sulphur</td>
<td></td>
<td>BS 5680 : 1979</td>
<td>Non Corrosive</td>
</tr>
<tr>
<td></td>
<td>Copper Strip, 140 °C, 19 Hrs</td>
<td></td>
<td>ASTM D 1275 B</td>
<td>Non Corrosive</td>
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<td></td>
<td>Copper Strip, 150 °C, 48 Hrs</td>
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<td>11</td>
<td>Antioxidant Additives</td>
<td>%</td>
<td>BS 5984 : 1980</td>
<td>Not Detectable</td>
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<td>12</td>
<td>Oxidation Stability at 120 °C, 164 Hrs</td>
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<td>BS 148 : 1984 Appendix A</td>
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<tr>
<td></td>
<td>Total Acidity</td>
<td>mg KOH / gm</td>
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<td>1.5</td>
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<td></td>
<td>Sludge</td>
<td>%</td>
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<td>1.0</td>
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<td>13</td>
<td>Gassing Tendency at 50 Hz after 120 minutes</td>
<td>mm³ / min</td>
<td>BS 5797 Method A</td>
<td>+ 5</td>
</tr>
</tbody>
</table>

(Version # 5, January, 2018)