Universal Tractor Fluid
Tractor Hydraulic Fluid

Description

Castrol UTF, Universal Tractor Fluid, is a premium hydraulic/transmission fluid that exceeds the refill and service top-up needs of farm and industrial tractor transmission, differentials, and immersed disc brakes. Castrol UTF is compounded with anti-wear, extreme pressure, anti-oxidant, and friction control additives and foam and corrosion inhibitors. Castrol UTF couples this unique additive package with highly refined base oils and a shear stable viscosity index improver for a balanced package.

Advantages

- Contains additives that provide noted frictional characteristics for proper and decisive functioning of multi-disc clutches used in power shift type transmissions and in oil-immersed disc brakes.
  - Chatter-free power transfer for wet brakes for longer equipment life.
- Balanced chemistry to control water contamination with no loss of performance.
  - Better productivity and longer equipment life.
- Noted seal swell additives to maintain size, hardness and strength of elastomers, seals and gaskets.
  - Maximum system performance for better productivity.
- Low pour point to provide mobility and prompt lubrication at low ambient temperatures.
  - Better productivity through year round operation. Less repair costs. Longer equipment life.
- Excellent anti-wear package to Prevent scoring and gear wear.
  - Provides excellent load carrying capacity and wear protection under all load conditions.
- Shear stable viscosity improver for minimal viscosity change in applications such as torque converters and hydrostatic drives under very high temperatures.
  - Longer equipment life. Less wear under severe conditions.
- Compatibility with all seal materials. Assured miscibility with other tractor fluids.
  - Less inventory for reduced costs.

Warranty and Protection Requirements:
- Meets or exceeds OEM requirements for applications requiring a tractor hydraulic fluid meeting the specifications listed below:

OEM Specifications:

- Allis Chalmers  Power Fluid 821
- Case/New Holland  MS-1207/Hy-Tran Plus, MS-1210/TCH, CNH MAT 3505 (MS-1209 Hy-Tran Ultra Fluid), CNH MAT 3525 (M2C-134D)
- Caterpillar  TO-2
- John Deere  J20C
- Deutz-Allis  AC Power Fluid 821 XL
- Ford Tractor  M2C86B/C
- Massey Ferguson M-1135, M-1141 (Permatran III)
- Sperry Vickers  Pass on Pump Tests ASTM-D2882 and 35VQ25
- Volvo  WB-101
## Typical Physical Characteristics

<table>
<thead>
<tr>
<th>Test</th>
<th>Method</th>
<th>Typical Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity, 40° C, cSt</td>
<td>ASTM D-445</td>
<td>56</td>
</tr>
<tr>
<td>Viscosity, 100° C, cSt</td>
<td>ASTM D-445</td>
<td>9.7</td>
</tr>
<tr>
<td>Viscosity @ 100F, SUS</td>
<td>ASTM D-2161</td>
<td>285</td>
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<tr>
<td>Viscosity @ 210F, SUS</td>
<td>ASTM D-2162</td>
<td>58</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>ASTM D-2270</td>
<td>160</td>
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<tr>
<td>Flash Point, °C (°F)</td>
<td>ASTM D-92</td>
<td>215(419)</td>
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<tr>
<td>Pour Point, °C (°F)</td>
<td>ASTM D-97</td>
<td>-37(-35)</td>
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<tr>
<td>Cold Crank Vis, -25C, cP</td>
<td>ASTM D-5293</td>
<td>6272</td>
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<tr>
<td>Gravity, API</td>
<td>ASTM D-287</td>
<td>29</td>
</tr>
<tr>
<td>Pounds per Gallon</td>
<td>ASTM D-287</td>
<td>7.34</td>
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<tr>
<td>Specific Gravity @60F, g/ml</td>
<td>ASTM D-1298</td>
<td>0.8834</td>
</tr>
</tbody>
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* Due to continual product research and development, the information contained herein is based on products purchased in the U.S. subject to change without notification. Typical properties may vary slightly.