Allied Universal Hydraulic Transmission Fluid

Specially formulated for today’s more sophisticated and demanding tractor hydraulic systems, which are designed to do more work while minimizing operator fatigue.

Allied Universal Hydraulic Transmission Fluid is formulated with 100% virgin high quality Group II hydrocracked (HC), high viscosity index paraffinic base stocks. These water white, pure base stocks have excellent demulsibility to prevent rust and corrosion, superior thermal and oxidative stability to prevent formation of harmful deposits, high dielectric strength and outstanding low and high temperature properties.

It also contains the most technologically advanced, rigorously tested, and field proven additive system. Its optimally balanced frictional characteristics ensure precise clutch and wet brake operation with superior chatter suppression, and it provides exceptional protection against rust and corrosion.

All Allied products are formulated to meet, or exceed, all relevant industry standards. The chart below highlights the key protection and performance features and benefits provided by Allied Universal Hydraulic Transmission Fluid.

<table>
<thead>
<tr>
<th>FEATURES</th>
<th>BENEFITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi viscosity power performance</td>
<td>• Superior thermal and oxidative stability prevents deposit formation and fluid thickening</td>
</tr>
<tr>
<td>Utilizes 100% virgin API Group II hydrocracked (HC), paraffinic base stocks. These water white, pure base stocks have excellent demulsibility to prevent rust and corrosion, superior thermal and oxidative stability to prevent formation of harmful deposits, high dielectric strength and outstanding low and high temperature properties.</td>
<td>• Wider operating range, high and low temperature properties maintains proper oil flow and viscosity for outstanding wear protection under all operating conditions</td>
</tr>
<tr>
<td>Utilizes newest, most advanced, tractor transmission hydraulic additive system</td>
<td>• Optimum frictional characteristics for precise clutch and wet brake operation and superior chatter suppression</td>
</tr>
<tr>
<td></td>
<td>• Exceptional anti-wear properties ensure long equipment life</td>
</tr>
<tr>
<td></td>
<td>• Outstanding protection against rust and corrosion</td>
</tr>
</tbody>
</table>

To find out more about our products and services, contact us at: (402) 344-4343 or visit www.alliedoil.com
Allied Universal Hydraulic Transmission Fluid

Allied Universal Hydraulic Transmission Fluid is recommended for all farm equipment, off-highway machinery, and industrial tractors where transmission final drives, wet brakes, clutches, and hydraulics are supplied from a common fluid reservoir. This multi-functional fluid also meets hydrostatic fluid requirements. It exceeds warranty specifications for virtually all major equipment manufacturers, so it helps reduce inventory and prevent misapplication. Use confidently in the following applications:

- Allis Chalmers PF821, Part #'s 9003088-9003091
- AGCO 821XL
- Clark Lift Truck TA 12, TA 18, HR 500, HR 600
- MA-1206, JIC 143-145
- John Deere 303, J14C, J20A, J20C
- MIL-L-46152-E
- Steiger
- Versatile
- Landini
- CASE I.H. Hy-Tran Ultra, B-5 & 6, Hy-Tran Plus, TCH Fluid, MS 1204, 1205, 1206, 1207, 1209, 1210, 1230, JIC 185, 144, 143, MAT 3525
- Hesston Fiat
- Kubota UDT Hydraulic/Transmission Fluid
- Massey Ferguson M-1141, M-1110, M-1127A & B, M-1129A, Permatran III
- White (Part #’s Q-1766, 30-310-5695, 30-310-5717)
- White Oliver Type 55
- Allison C-2, C-3, C-4
- Caterpillar TO-2
- Caterpillar MTO Hydraulic
- ZF TE-ML 03E, TE-ML-05F
- Denison HF-0, HF-1, HF-2
- Vickers 35VQ-25 Pump Test
- Sundstrand approved
- Plessey-Sundstrand approved
- Volvo VME WB101

Typical Properties:

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>METHOD</th>
<th>Universal Hyd Fluid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravity, °API</td>
<td>ASTM D287</td>
<td>29.15</td>
</tr>
<tr>
<td>Specific Gravity @ 60°F (15.6°C)</td>
<td>ASTM D4052</td>
<td>0.8808</td>
</tr>
<tr>
<td>Viscosity @ 40°C cSt</td>
<td>ASTM D445</td>
<td>63.53</td>
</tr>
<tr>
<td>Viscosity @ 100°C cSt</td>
<td>ASTM D445</td>
<td>9.76</td>
</tr>
<tr>
<td>Viscosity Index</td>
<td>ASTM D2270</td>
<td>136</td>
</tr>
<tr>
<td>Pour Point °C (°F)</td>
<td>ASTM D5950</td>
<td>-42°C (-44°F)</td>
</tr>
<tr>
<td>Brookfield Viscosity @ -35°C, cP</td>
<td>ASTM D2983</td>
<td>41,100</td>
</tr>
<tr>
<td>Color</td>
<td>ASTM D 1500</td>
<td>2</td>
</tr>
<tr>
<td>Zinc, wt. %</td>
<td>ASTM D 5185</td>
<td>0.149</td>
</tr>
<tr>
<td>Phosphorus, wt. %</td>
<td>ASTM D 5185</td>
<td>0.12</td>
</tr>
<tr>
<td>Calcium, wt. %</td>
<td>ASTM D 5185</td>
<td>0.36</td>
</tr>
<tr>
<td>Sulfur, wt. %</td>
<td>ASTM D 4951</td>
<td>0.288</td>
</tr>
<tr>
<td>Boron, wt. %</td>
<td>ASTM D 5185</td>
<td>0.01</td>
</tr>
<tr>
<td>Sulfated Ash, wt. %</td>
<td>ASTM D 874</td>
<td>1.41</td>
</tr>
</tbody>
</table>

Suitable for use in the following applications:

- Massey Ferguson M-1110, M-1127, M-1127A, M-1127B
- Massey Ferguson M-1129, M-1129A, M-1135, M-1141
- AGCO 821XL
- Allison C-2
- Allis-Chalmers Power Fluid 821
- Allis-Chalmers 626371
- ABEX/Denison HF-6, HF-1, HF-2
- Deutz-Allis Power Fluid 821
- Case JIC 144, 145
- Case Hy-Tran Ultra (MS-1209)
- Case TCH Fluid (MS-1210)
- Case IH Hy-Tran Plus (MS-1207)
- MS-1230 (Poclain Equipment) Hydraulic Fluid for High Pressure Systems
- International Harvester Hy-Tran B-6
- Allison C-2
- John Deere J20C/J20A
- John Deere J21A
- John Deere 303 Fluid
- Hesston-Fiat AF-87, Oiilofiat Tutela Multi-F
- Grove Manufacturing Hydraulic Fluid
- Komatsu/Dresser
- Kubota UDT Fluid
- Landini
- Steiger Hyd-Trans SEMS 17001

ALLIED OIL & TIRE COMPANY Branch Locations:

OMAHA, NE • 2209 S. 24th Street • (402) 344-4343
KANSAS CITY, MO • 5150 East Front Street • (816) 474-8040
DES MOINES, IA • 5201 N.E. 15th Street • (515) 262-9381
JOPLIN, MO • I-44 & Hwy 43 • (417) 623-4771
SIoux FALLS, SD • I-90, Exit 402 • (605) 332-3352
WITCHITA, KS • 3619 North Poplar Street • (316) 616-6300

Version 1.01

Due to our goal of continuous improvement and commitment to keep pace with changing requirements, the information contained in this product sheet is subject to formulation changes without notification. Check with your Allied sales representative to make sure you have the most up-to-date product sheet. The version to reference is located in the right hand corner of this product sheet.