



# 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**.

### FEATURES

Multi viscosity power performance

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.

Utilizes newest, most advanced, tractor transmission hydraulic additive system

### BENEFITS

- Superior thermal and oxidative stability prevents deposit formation and fluid thickening
- Wider operating range, high and low temperature properties maintains proper oil flow and viscosity for outstanding wear protection under all operating conditions
- Optimum frictional characteristics for precise clutch and wet brake operation and superior chatter suppression
- Exceptional anti-wear properties ensure long equipment life
- Outstanding protection against rust and corrosion



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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:

## Typical Properties:

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

## 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-0, 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  
 Ford New Holland M2C41A, M2C41B, M2C48B, M2C53A, M2C86A, M2C86B,  
 Hesston-Fiat AF-87, Oilofiat Tutela Multi-F  
 Grove Manufacturing Hydraulic Fluid  
 Komatsu/Dresser  
 Kubota UDT Fluid  
 Landini  
 Steiger Hyd-Trans SEMS 17001

- Allis Chalmers PF821, Part #'s 9003088-9003091
- AGCO 821XL
- Clark Lift Truck TA 12, TA 18, HR 500, HR 600
- Ford New Holland ESN-M2C134-D, 134-C, 134-B, 134-A, 86B, 53-A, 41-B, 48-C
- 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 UDTHydraulic/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

**ALWAYS CONSULT OWNERS MANUAL FOR CORRECT TRANSMISSION FLUID REQUIREMENTS**

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.

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