



Hicks Oils  
845 N. Hickory  
DuQuoin, IL 62832

Sales: (314) 525-2568  
Operations: (618) 542-5431

# FORMULA 500

## UNIVERSAL TRACTOR FLUID

Universal Tractor Fluid fulfills the torque transfer, hydraulic, and power transmission requirements of farm tractors and implements. Specifically, it has been tailored to:

- Lubricate the transmission, differential and final drive gears
- Act as a power steering, power brake, power take-off, hydraulic, and implement drive fluid
- Provide a medium with the correct friction and heat transfer properties for proper operation of the tractor wet brakes and power take-off units.

Universal Tractor Fluid is an outstanding product for tractor lubrication. Its superior extreme pressure and anti-wear performance protects tractor transmissions, axles, and hydraulic pumps. The frictional characteristics of the fluid minimize “chatter” while enabling the proper operation of wet brakes. These characteristics provide smooth engagement of the power take-off clutch. Universal Tractor Fluid provides excellent rust and corrosion protection and good oxidation stability for high temperature service. Universal Tractor Fluid is a SAE Viscosity grade 10W-30, meets API Service SF/CC, and API GL-4 gear oil specifications. Universal Tractor Fluid should not be used where a Caterpillar TO-4 fluid is required.

### Typical Properties:

Product:	Formula 500 Universal Tractor Fluid	
SAE Viscosity Grade		10W-30
Product Code		1200
Kinematic Viscosity @ 100 °C cSt (ASTM D-445)		9.50
Kinematic Viscosity @ 40 °C cSt (ASTM D-445)		59.00
Viscosity Index (ASTM D-2270)		145
Ash, wt%		1.30



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### **Recommended Use:**

Universal Tractor Fluid is recommended for most hydraulic fluid and transmission oil applications for tractors and implements including:

- John Deere: J20C, J14(A,B,C JDT303), J20(A,B, Hy-Gard), J27 (10W or 30)
- Ford New Holland: M2C134D, M2C (A thru C), M2C86-(A thru C), M2C86-(A&B), M2C77-A, M2C53-A, M2C48-(B&C) & M2C41-B
- J.I. Case/Case International: MS-1204, 1205, 1206 (Powergard PFT), 1207(Hy-Tran Plus), 1209 (Hy-Tran Plus), 1210, JIC-143, 144, 145 (TCH Fluid), & 185 (TFD Fluid)
- Deutz: Hydr Trans Fluid
- Deutz-Allis: 25743 (PF-821 XL), 257541, & 246634 Hydr Trans Fluid
- Fiat-Hesston: AF-87
- I.H.C.: B5 & B-6 Hytran
- Kubota: UDT Fluid
- Landini: Tractor Hydr Fluid
- Massey Ferguson: M1110, 1127(A&B), 1129A Permatran, 1135 Permatran III, 1141, 1143, & 1145
- Oliver: Type 55, Type 5J, & Q1802
- Renk: Bus Automatic Trans Fluid
- Steiger: Hydr Trans Fluid
- Sauer Sunstrand/Danfoss: Hydro Static Trans Fluid
- Versatile: Gear & Hydr Trans Fluid
- Volvo ( including latest wet-brake requirements)
- White: Q-1705, 1722, 1766, 1766B (UTHF), 1802, & 1826
- ZF Transmissions: TEMPL03 & TEMPL06
- Allison: C-4 & C-3
- API: GL-4
- Caterpillar: TO-2
- Denison: (Pump only) HF-(0 thru 2)
- Sperry Vickers/Eaton: I-280-S & M2950