



Schaeffer Manufacturing Co. DuQuoin  
845 N. Hickory  
DuQuoin, IL 62832

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

**F O R M U L A**



## Universal Tractor Hydraulic Fluid (UTHF)

FORMULA 500® Universal Tractor Hydraulic 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 stability and heat transfer properties for proper operation of the tractor wet brakes and power take-off units.

FORMULA 500® Universal Tractor Hydraulic 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.

FORMULA 500® Universal Tractor Hydraulic Fluid provides excellent rust and corrosion protection and good oxidation stability for high temperature service. Universal Tractor Hydraulic Fluid also meets API GL-4 gear oil specifications. FORMULA 500® Universal Tractor Hydraulic Fluid should not be used where a Caterpillar TO-4 fluid is required.

### Typical Properties:

Product: FORMULA 500® Universal Tractor Hydraulic Fluid	
Product Code	1200
Kinematic Viscosity @ 100°C, cSt (ASTM D-445)	9.4
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	61
Viscosity Index (ASTM D-2270)	135
Sulfated Ash, wt%	1.4
Zinc, wt%	0.15



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FORMULA 500® Universal Tractor Hydraulic Fluid is recommended for use in most hydraulic fluid and transmission oil applications for tractors and implements including:

- AGCO Powerfluid 821XL
- Allison C-4
- Caterpillar TO-2
- CASE MS 1210
- Case New Holland CNH MAT 3540, 3525, 3505
- Fendt
- FNHA-2-C-200.00/201.00
- Ford ESN-M2C86-B/C
- Komatsu
- Landini
- Ford ESN-M2C134-D
- HCE-102/102W
- John Deere JDM J20C
- Kubota UDT Fluid
- Massey Ferguson CMS M1145, M1143, M1141, M1135
- VCE WB 101
- ZF TE-ML 03E, 05F, 06K, 17E, 21F
- AGCO Q-186 (Whitefarm)
- Deutz-Fahr
- Claas/Renault (Renault Transmissions)