



# Maxtron® THF+

## Full-Synthetic Tractor Hydraulic Fluid

### General Description

Maxtron® THF+ is a full-synthetic multifunctional fluid formulated specifically for tractors which use a centralized system to lubricate the transmission, differential, wet brakes, power steering and hydraulic components.

Maxtron THF+ is formulated with premium synthetic base oils to provide excellent cold flow characteristics while maintaining high temperature viscosity stability. An exceptional additive package is used to provide anti-wear properties, which enables heavy differential gear loads and resistance to oxidation stress from high temperatures. Maxtron THF+ has a special balance of frictional properties which provides a smooth operation and also prevents wet brake chatter.

The fluid is designed to provide superior transmission and hydraulic operations at all temperatures with an emphasis on sub-zero weather conditions. Additionally, Maxtron THF+ is superior at keeping the internal parts clean and prolonging the life of seal materials.

### Excellent performance in these applications:

- Tractors that have a common sump for transmissions, hydraulics, differentials and wet brakes
- All-season equipment operations
- Wear and oxidation control
- Prevention of wet brake chatter
- Viscosity retention

### Features and Benefits

- **Viscosity Stability:** The full-synthetic base oil formulation offers a high viscosity index as well as excellent shear stability and superior low temperature performance.
- **Pumping Efficiency:** Retains viscosity at high temperatures and minimizes viscosity shear loss, which increases hydraulic power output at all operating temperatures.
- **Low-Temperature Performance:** Excellent fluidity and superb hydraulic system operation at sub-zero temperatures.
- **Chatter-Free:** Outstanding frictional properties that reduce noise and damage caused by wet brake chatter.
- **Compatibility:** Prolongs life of oil seals and hydraulic hoses, which reduce downtime.
- **Wear Protection:** Protects gears, pumps and other parts from wear due to heavy loads, therefore extending equipment life.
- **System Cleanliness:** Keeps all system parts clean and varnish free for smooth operation.
- **Oil Durability:** Superior oxidation control reduces oil degradation from high operating temperatures providing longer oil life.
- **Expect superior performance in:** Agriculture, off-highway and construction equipment calling for J20-C, THF or UTTO Fluid.

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CHS Lubricants recommends that Cenex® Maxtron® THF+ is suitable for use in the following applications:

**AGCO:** Power Fluid 821, 821 XL **Case-IH:** Akcela, Hy-Tran®, Hy-Tran® Plus, Hy-Tran® Ultra, MAT-3540, MAT-3505, MS-1210, 1209, 1207, 1206, JIC144/145, Power PRF **Caterpillar:** MTO **Deutz/Allis:** Power Fluid 821 **Ford New Holland:** Ambra Multi-G 134, Mastertran Ultraction (MAT-3540), M2Ci-34 A,B,C,D, M2C-41B, M2C-53 A,B, M2C-86B, MAT-3525 **Hesston/Fiat:** Olio fiat Tutela Multi-F

**John Deere:** Hy-Gard J20 C/A, J14 C/B **Kubota:** Kubota UDT Fluid, Super UDT2 **Massey Ferguson:** M-1145, 1143, Permatran III, MF-1127A/B, MF1129A, McCormick HTX **Steiger:** Hydraulic/Transmission Fluid 17001 **Versatile:** HyGear Fluid, Specification 23, Volvo VME WB-101, VCE 1273.03 **White/Oliver/MM:** AG ONE, Universal Fluid, Type 55, Q-1826 HTF

### Typical Properties

Property	Typical Result
SAE Grade (approximate)	5W-30
API Gravity/Density lbs./gal.	33.5/7.14
Viscosity, cSt @ 40°C (SSU)	54.5 (253)
Viscosity, cSt @ 100°C (SSU)	10.5 (61)
Viscosity Index	184
Pour Point, °F (°C)	-54 (-48)
Brookfield Viscosity, cP @ -20°C	2,300
Brookfield Viscosity, cP @ -40°C	20,000
Foam Test ASTM D892	Pass
DKA Oxidation Test	Pass
Seal Compatibility	Pass
OEM Shear Stability	Pass
API Gear Performance	GL-4
Color	Blue

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

### Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit [cenex.com/sds-library](http://cenex.com/sds-library).