



UNIVERSAL TRACTOR TRANSMISSION OIL (UTTO)

DESCRIPTION

Universal Tractor Transmission Oil (UTTO) is an SAE 10W30 agricultural oil. UTTO oils are generally formulated to meet the requirements of off-highway moving equipment. They are designed to keep sludge and varnish from depositing on the equipment's interior and to keep filters and screens from plugging and restricting oil flow. The improved EP Protection supplies better wear control with copper based alloys used in piston pumps and synchronizers. It also allows for stable frictional performance.

APPLICATION

Recommended to lubricate the moving parts of off-highway mobile equipment, such as tractors, off-highway equipment and construction equipment. It's designed to lubricate transmissions, differentials, final-drive planetary gears, wet-brakes and hydraulic systems of such equipment.

PERFORMANCE

Meets or exceeds:

- API: GL-4
- FORD NEW HOLLAND M2C134D, M2C-(A-C), M2C86- (A-C), M2C89-(A&B), M2C77-A, M2C53-A, M2C48-(B&C), M2C41-B
- ALLISON C-4, C-3
- MASSEY FERGUSON M 1110, 1127-(A&B), 1129A
- PERMATRAN, 1135 PERMATRAN III, 1139, 1141, 1143, 1145
- JOHN DEERE J20C, J20D, J14 (A,B,C JTD303), J20 (A,B, HY-GARD), J121A, J27 (10W 30)
- ZF TE-ML 03 AND 06 VOLVO (INCL. LATEST WET-BRAKE REQUIREMENTS)
- DENISON: (PUMP ONLY) HG-(0-2)
- SPERRY VICKERS/EATON: I-280-S, M2950S
- DEUTZ: HYDR TRANS FLUID
- FIAT-HESSTON: AF-87
- KUBOTA: UDT FLUID
- LANDINI: TRACTOR HYDR. FLUID
- CATERPILLAR TO-2

ADVANTAGES

- Superior Cleanliness
- Increased friction durability
- Improved EP performance
- Less piston – pump wear and abrasion
- Improved deposit control
- Reduced final – drive wear
- API: GL-4

TYPICAL PHYSICAL CHARACTERISTICS

Property	Units	UTTO	Method
Base oil Viscosity at 40°C	cSt	60.0	ASTM D445
Base oil Viscosity at 100°C	cSt	8	ASTM 445
Viscosity Index	VI	100	D2270
Density at 20°C	Kg/L	0.879	D4052
Flash point COC	°C	Min 233	D92
Pour Point	°C	Max-36	D97
Rust test for 24 hrs		Pass	D665

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