



FARMER ORION UTTO

Description

Universal tractor transmission lubricant oil (U.T.T.O.). Its carefully elaborated formula makes it suitable for use in gearboxes, differential conic assemblies, power take-offs, hydraulic systems, wet brakes (synthesized or compound) and clutches.

Properties

- Excellent anti-wear protection and loading capacity, even in extreme working conditions.
- Viscosity grade SAE J306, 80W.
- Equivalent to 10W-30 according SAE J300. Not to be used as engine oil.
- Good rust resistance and compatibility with joint materials.
- Its friction characteristics are carefully formulated to eliminate screeching in wet brakes and the sliding action in power take-offs mechanisms.
- Its versatility makes it suitable for use with a wide variety of agricultural machinery.
- Certified by the major tractor manufacturers.

Quality levels, approvals and recommendations

- MANULI*
- ALLISON: C-4
- CATERPILLAR: CAT TO-2
- JOHN DEERE: J-20C
- MASSEY FERGUSON: M-1145/M-1143/M-1141
- PARKER DENISON: UTTO/THF
- ZF TE-ML: 03E/05F/17E/21F*
- API: GL-4/SAE 80W
- FORD: M2C 134D
- KUBOTA: UDT
- NEW HOLLAND/FNHA: CNH MAT 3525/FNHA 201.00
- VOLVO: WB 101

*Formal approval

Technical specifications

| | UNIT | METHOD | VALUE |
|-----------------------|------|------------|-------|
| Density at 15 °C | g/mL | ASTM D4052 | 0.881 |
| Viscosity at 100 °C | cSt | ASTM D445 | 10.8 |
| Viscosity at 40 °C | cSt | ASTM D445 | 65 |
| Viscosity index | - | ASTM D2270 | > 140 |
| Flash point, open cup | °C | ASTM D92 | > 180 |
| Pour point | °C | ASTM D97 | -33 |

The above mentioned characteristics are typical values and should not be considered product specifications.