

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*
 - ZF TE-ML: 03E, 05F, 17E, 21F*
 - API: GL-4/SAE 80W
 - FORD: M2C 134D
 - KUBOTA: UDT
 - NEW HOLLAND/FNHA: FNHA 201.00
 - VALTRA: G2-08 / G2-B10
 - VOLVO: WB 101*
 - ALLISON: C-4
 - CATERPILLAR: CAT TO-2
 - JOHN DEERE: J-20C
 - MASSEY FERGUSON M-1145/M-1143
 - PARKER DENISON: UTTO/THF
- *Formal approval

Technical specifications

| | UNIT | METHOD | VALUE |
|-------------------------------|-------|------------|-------|
| Density at 15 °C | g/cm3 | ASTM D4052 | 0.881 |
| Kinematic viscosity at 100 °C | cSt | ASTM D445 | 10.8 |
| Kinematic 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.