

# 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.