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Website: www.viscol.co.za**SUBJECT: OIL SPECIFICATIONS****ENVIRONMENTAL & QUALITY MANUAL**
*(in accordance with ISO 9001 & 14001)***VISCOL UTTO (Universal Tractor Transmission Oil) 15W30****Description:**

Viscol UTTO is a premium quality multigrade heavy duty multifunctional lubricating oil formulated and manufactured to function efficiently in the transmission, hydraulic, final drive, wet brake, as a medium on agricultural, off Highway and construction equipment.

Performance Benefits:

Viscol UTTO is a single multifunctional oil which replaces the separate oils usually required and therefore prevents damage that may be caused by misuse of single products. The multigrade properties and the high Viscosity Index, increases the lubrication efficiency at all operating temperatures. The high load carrying capacity provides excellent gear lubrication and has the correct frictional characteristics to ensure good wet brake operation. Hydraulic systems operate efficiently as a result of its excellent thermal stability and lubricating properties.

Application:

Primarily intended for the lubrication of transmissions and hydraulic systems of agricultural, off Highway and construction equipment.

Typical Physical Properties:

SAE GRADE	15W30
Density @ 20°C.kg/L	0,88
Viscosity @40°C.mm ² /sec	75
Viscosity @100°C.mm ² /sec	9.5
Viscosity Index	140
Pour Point (°C)	-35
Flash Point (COC) °C	221

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Properties

- High Viscosity Index & Low Pour Point features.
- Has excellent thermal and high load carrying properties necessary to give complete gear protection.
- Excellent wet brake performance ensuring that chatter and squawk do not occur.
- Seal compatibility used in modern tractors.
- Anti-wear protection.
- Excellent oxidation stability.

Specifications:

Viscol UTTO meets the following:

API: GL-4

John Deere: JDM J20C / J20D (self-approval)

CNH: MAT 3525 ("134-D" fluid)

Massey Ferguson: CMS M1141, CMS M1143 (finished oil approval)

VCE: WB 101

ZF: TE-ML-03E and TE-ML-05F

Shear Stability Index (P-SSI)

(DIN 51382) 30 Passes 8

(DIN 51382) 250 Passes 15

(ASTM D5621) Sonic Test (P-SSI/wt %) 43/5.7

(CEC L-45-A-99) KRL 20h (P-SSI/wt %) 63/5.7

Experienced personnel from our Technical Division are available for discussion on all aspects. Recommendations are given in good faith but without warranty. It is the users responsibility to determine the suitability for his/her own use.

The products discussed are sold without any warranties either expressed or implied, including warranties of merchantability and of fitness for particular purpose.

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