

SINOPEC HYDRAULIC TRANSMISSION MULTI-FUNCTIONAL FLUID 10W-30 (UTTO)

Sinopec Hydraulic Transmission Multi-functional Fluid 10W-30 is an extra high performance universal tractor transmission oil (UTTO), formulated with high quality hydro-treated base oils and a multi-functional additive system. It designed to meet or exceed hydraulic and transmission fluid requirements, and to reduce wet brake and power take-off (PTO) chatter. It ensures excellent performance in agricultural and commercial tractors operating in a wide range of environments and conditions, and is particularly useful in equipment where a common lubrication system supplies oil for different applications. Key specifications: API GL-4; Allison C-4 John Deere JDM 20C & 20D.

FEATURES AND BENEFITS

A multi-functional oil for hydraulic, transmission and wet brake systems, and suitable for high power tractors.

Excellent shear stability ensures good viscosity retention even in conditions of high temperature and heavy load, and prolongs the service life of hydraulic transmission systems.

Outstanding fluidity and good low temperature properties ensure smooth start up and operation even in cold weather.

A special friction modifier ensures smooth action in wet brakes and power take-off clutches, minimises vibration, chatter, stick-slip and squawk, and prolongs service life.

Good anti-wear performance protects moving parts

from wear and metal fatigue, ensures long equipment life, and provides excellent protection against gear scuffing, pitting and wear in applications where an API GL-4 product is required.

Excellent thermal and oxidation stability minimise the formation of deposits that could lead to component wear, and also ensure longer oil life.

Excellent protection against rusting and corrosion increases the service life of system components.

Good anti-foaming properties ensure optimum oil film thickness is maintained and reduces oil leakage from the system.

Good compatibility with most common seals and elastomer materials used in agricultural equipment prolongs seal life and reduces leakage.

TYPICAL DATA

SAE grade	10W-30
Kinematic viscosity, ASTM D 445	
cSt @ 40°C	63.38
cSt @ 100°C	10.08
Viscosity index, ASTM D 2270	145
Brookfield viscosity, ASTM D 2983	
cP @ -35°C	29,000
cP @ -20°C	4,350
Pour point, °C, ASTM D 97	-43
Flash point (COG), °C, ASTM D 92	236
Density @ 15°C, kg/l, ASTM D 4052	0.867

Note: These data are given as an indication of typical values and not as exact specifications.

RECOMMENDED APPLICATION

- Transmission and hydraulic systems, wet brakes and final drives of tractors and other agricultural or forestry equipment with common lubrication systems, where a UTTO type lubricant is required.

SPECIFICATION AND APPROVAL

API	GL-4
Allison	C-4 (agricultural applications only)
Case	M1206, M1207, M1210
Caterpillar	TO-2
CNH	MAT 3525
Ford	ESN-M2C134-D (FNNM-2-C-201.00)
John Deere	JDM J20C and J20D
Kubota	UDT
Massey Ferguson	M1135, M1141, M1143
Volvo CE	WB-101
ZF	TE-ML-03E, TE-ML-05F



Viscosity Oil Co Hytran Data

Marcel A. Müller

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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