

UTTO

DESCRIPTION :

Special oils destined for automatic transmissions, hydraulic systems, brakes, clutches, etc. From tractors, forklifts and off-road equipment. These oils (Universal Tractor Transmission Oil UTTO) should NEVER be used to lubricate the motor. When the manufacturer (see the lubricating instruction) requires an oil for the lubrication of all parts including the engine, he refers to a SUPER TRACTOR OIL UNIVERSAL (STOU).

APPLICATIONS:

Because of their multifunctional nature, these oils are used in transmissions, hydraulic lifts, rear axles, wet brakes of agriculture tractor, off-road equipment, as well as mobile hydraulic systems (cranes, junction box, power steering)

SPECIFICATION LEVEL :

UTTO 100	UTTO 170	UTTO 400
J.I. CASE MS 1204, MS 1207, MS 1210	API GL 4 JOHN DEERE JDM 20 C/D	API GL 4 ALLIS CHALMERS PF-821
MASSEY FERGUSON M-1141, M-1110	MASSEY FERGUSON M-1127 B, M-1143 M-1129 A	JI CASE MS 1205, MS 1206 MASSEY FERGUSON M-1135
CASE IH HY-TRAN B6	FORD ESN-M2C-86 C, 134 C/D	FORD ESN-M2C-86 A/B
CASE IH HY-TRAN PLUS	CASE NEW HOLLAND MAT 3525, 3505	FORD ESN-M2C-134 A/B
JCB SPECIAL HYDRAULIC FLUID	CATERPILLAR TO-2	LANDINI, SAME UTTO
ALLISON C3 (GRADE 10)	ALLISON C3/C4	ALLISON C3/C4 (GRADE 30)
CATERPILLAR TO-2	ZF TE-ML 03E, 05F, 17E	RENAULT THFI
FORD ESN-M2C-41 A/B		ZF TE-ML 05E

TYPICAL CHARACTERISTICS :

Test	Method	Unit	Average result		
UTTO			100	170	400
SAE-GRADE			10W/20W	10W30	20W30
ISO VG-GRADE			32/46	46/68	100
Density at 15°C	D 4052	kg / m ³	878	884	888
Viscosity at 40°C	D 445	cSt	35,3	63,2	90,0
Viscosity at 100°C	D 445	cSt	5,9	10,2	10,9
Viscosity index	D 2270		110	148	106
Pour point	D 6892	°C	-45	-36	-33
TBN	D 2896	g KOH/kg	6,9	6,9	6,9
Flash point COC	D 92	°C	208	212	220

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.