



FINA Lubricants
"Keep Things Moving"



UNIVERSAL TRANSDRAULIC FLUID

HYDRAULIC TRACTOR FLUID

Superior Benefits

- Superior oxidation control for long service life
- Wear prevention additives protect vital engine parts
- Meets or exceeds all farm and industrial tractor manufacturers' requirements
- Multifunctional protection for transmission, wet brakes, hydraulic and differentials

Exceeds the Demanding Requirements of Farm and Industrial Tractors

Farm tractors often utilize the same fluid in the hydraulic system, transmission, wet brake system and differential, which places significant flexibility demands on the oil. For example hydraulic systems require low viscosity with excellent cold flow ability. However, heavily loaded differential gears need higher viscosity and excellent anti-wear capacity.

Fina Universal Transdraulic Fluid not only meets the varied requirements of these multiple applications, it exceeds them, providing outstanding performance and protection under the most grueling conditions.

High Performance Additives

Fina Universal Transdraulic Fluid is a special blend of selected paraffinic base oils and high protection additives that protect heavily loaded transmission and differential gears to reduce wear and lengthen component life, even when the equipment is operating at maximum capacity.

All Season Protection

Fina Universal Transdraulic Fluid remains fluid at -40° F. This improves start-up in cold weather and reduces pump damaging cavitation. At the same time it has high viscosity for engine protection at high temperatures.

Shear Stability and Excellent Viscosity Control

Fina Universal Transdraulic Fluid is highly shear stable and maintains viscosity throughout its usable life. Oxidation inhibitors lengthen oil life and reduce sludge and varnish deposits. The result is an oil that provides maximum wear protection for extended periods, yielding increased production and reduced equipment failures.

Applications

Recommended for all types of farm and industrial tractors that call for a multifunctional oil and equipment specifying Allison C-3, C-4, or Caterpillar TO-2 fluid. Meets Dennison HF-0, HF-1 and HF-2 credentials. Passes both Vickers 35VQ25 and M-2952-S pump tests and meets Vickers 1-2986-S and M-2950 hydraulic requirements.

Provides Maximum Wear Protection For Extended Periods Outstanding multifunctional performance and protection for hydraulic systems, transmissions, wet brake systems and differentials.

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Recommended For:

Tractor and other equipment calling for a universal hydraulic tractor fluid, torque converter fluid, wet-brake fluid, hydrostatic transmission fluid, or for off-road equipment calling for a multifunctional oil.

Equipment manufacturers calling for this type of fluid include: J. I. Case, John Deere, Ford New Holland, Massey-Ferguson, Kubota, Mitsubishi, White Farm, Steiger, Versatile, Allison, Caterpillar, Fiat, Heston, Dresser, Renk, Valmet and many others.

Preserve Your Equipment Investment With FINA CHECK

Diagnose equipment problems before they occur, ensure longer equipment life, and reduce unscheduled downtime with FINA CHECK, our technologically advanced lubricant, antifreeze and fuel sample diagnostic service.

FINA CHECK can be used for all types of engines, transmissions, gearboxes, differentials and hydraulic systems and is available to all FINA lubricant customers.

Together, FINA CHECK and high quality FINA lubricants provide the optimal means for preserving your equipment investment.

TYPICAL PRODUCT CHARACTERISTICS

SAE Viscosity Grade	10W-30
Product Code	14100
API Gravity (ASTM D-1298)	28.3
Viscosity (ASTM D-445):	
cSt @ 40° C	62
cSt @ 100° C	9.5
SUS @ 100° F	318
SUS @ 210° F	58
Viscosity Index (ASTM D-2270)	140
Pour Point (ASTM D-97) °F (°C)	-40 (-40)
Flash Point (ASTM D-92) °F (°C)	395 (202)
Copper Corrosion (ASTM D-130)	1a

The above data is subject to the usual manufacturing variation.

MANUFACTURERS' SPECIFICATIONS

Universal Transdraulic Fluid*

COMPANY	SPECIFICATION	COMPANY	SPECIFICATION	COMPANY	SPECIFICATION
AGCO	See Deutz-Allis	Fiat	See Hesston	Massey-Ferguson	M 1127-A & B
Allis Chalmers	See Deutz-Allis	Ford New Holland	M2C134-D, C, B & A (Hydraulic Oil 134)	(cont'd)	M 1110 (ATF)
Allison	C-3 or C-4		M2C41-B	McCormick Farmall	See E below
Belarus	See A below		M2C43	Minneapolis-Moline	See E below
Case IH	MS-1230		M2C53-A & B	Mitsubishi	See B below
	MS-1210/JIC 145		M2C92-A	New Idea	See White Farm
	MS-1209 (Hy-Tran Ultra)		M2C48-A & B	Oliver	See White Farm
	MS-1207 (Hy-Tran Plus)		M2C86-B & C	Plessey-Sunstrand	Hydraulic Fluid
	MS-1206 (Powergard PTF)		AF-87	Renk-Doromat	873 or 874A & B bus transmissions See C below
	MS-1205 (TFD II)	Hesston	See B below	Steiger	HTF SEMS 17001
	MS-1204/JIC185	IMT	See Dresser	Sunstrand	Hydrostatic Transmission Fluid
	B-6 (Hy-Tran)	International Hough	See Case		
	B-5	Int'l Harvester	JDM J21A	Universal	-
	JIC-185 (Hi-Vis)	John Deere	JDM J20A & B & C	Valmet	See B below
	JIC-145 (TCH Fluid)		J 14 B & C	Versatile	Hydraulic/Gear Fluid 23M and 24M
	JIC-144		JD 303 Fluid	White Farm	HTF
	JIC-143 & 146 (TFD)		Quatrol - See D below		Q 1826
Caterpillar	TO-2	Kioti	See B below		Q 1802 (Type 55 Fluid)
Clark	TA 18, TA 12	Komatsu	See A below		Q 1766B
	HR 500 and HR 600	Kubota	U. Transdraulic Fluid		Q 1722 and Q 1705
	Lift Truck Hydraulic Fluid		UDT Hydraulic		See B below
	See B below		Tractor II Hydraulic Fluid		
David Brown	Power Fluid 821 XL	Landini	See A below		
Deutz-Allis	Power Fluid 821	Leyland	M 1144		
	272843	Massey-Ferguson	M 1143		
	257541		M 1141 (Permatran III)		
	246634		M 1135		
Dresser	Transmission/ Hydraulic Fluid		M 1129-A		

A - Recommends separate fluids other than a hydraulic tractor fluid.

B - No specification identified. Use Universal Transdraulic Fluid.

C - Unmodified units only for Renk-Doromat.

D - Quatrol is a registered trademark of John Deere and not a specification. It is no longer sold in the marketplace. Universal Transdraulic Fluid may be used where Quatrol is called for.

E - These are older tractors which may specify separate or different fluids than Universal Transdraulic Fluid.

*Universal Transdraulic Fluid is intended for most hydraulic fluid and transmission oil applications for tractors and implements in this table. Other names for this type of fluid are torque converter fluid, hydraulic tractor fluid, hydrostatic transmission fluid and power fluid.

Universal Transdraulic Fluid meets the following hydraulic system manufacturers requirements: Eaton, Denison, Vickers and Sauer-Sundstrand.



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