

# TRACTOR HYDRAULIC

## Tractor Hydraulic Fluid



### Features

Irving THF meets or exceeds the following manufacturers' performance specifications:

- API GL-4
- Allison C-3, C-4 for transmission fluids
- J.I. Case MS 1204, MS 1207, MS 1210 for converters, hydraulic and transmission fluids, and can replace TFD, TCH and Hytran Plus
- John Deere JDM-14C, JDM-J20C, JDMJ20D,
- JDM-J27 and can replace Hy-Gard and Quatrol Caterpillar TO-2
- Deutz Allis Power Fluid 821 XL
- Ford-New Holland M2C41B, 48C/C2/C3, 86C, 159B, Can replace 134-D Fluid (FNHA-2-C-201) as well as Super All
- Season Driveline and Hydraulic Fluid (FNHA-2-C-200)
- Komatsu-Dresser B06-0002
- Kubota
- Massey Ferguson M1110, M1127, M1129A, (Permatran), M1135 (Permatran III), M1139, M1141, M1143 and M1144
- Minneapolis-Moline
- Oliver
- Sundstrand Hydrostatic Transmission Fluid
- Vickers I-286-S, M-2950-S
- Volvo WB101
- White Farm Equipment Q-1826, Q-1802
- ZF TE-ML-06

### Benefits

- Excellent wear prevention
- Excellent low temperature fluidity
- Chatter-free brake performance
- Excellent rust and corrosion protection
- Good seal and O-ring compatibility

**Tractor Hydraulic Fluid** is a specially formulated product for use in transmissions, final-drives, wet brakes and any farm tractors or construction equipment that uses a common fluid reservoir. These special systems call for a combination lubricant and power transmission fluid.

**Tractor Hydraulic Fluid's** characteristics are unique since the same fluid must lubricate the transmission final drive, actuate hydraulic type disc brakes but also services operation to power steering units, power take-offs, implements and attachments.

**Tractor Hydraulic Fluid** has been designed as a year-round multi-grade fluid offering temperature fluidity, helpful with construction equipment that must work in all seasons and temperatures. This all in one fluid exceeds the viscosity requirements of both John Deere JDM-J20C and JDM-J20D specifications.

**Tractor Hydraulic Fluid** is also available in individual summer (3-season) and winter grades.

**Tractor Hydraulic Fluid** qualifies for Denison HF-1 and HF-2 performance and passes tests for Eaton Hydraulics and Vickers. It passes ASTM\* D-2882 High Pressure Vane Pump Wear test with less than 25 mg of steel weight loss.

**Tractor Hydraulic Fluid** is compatible with manufacturers' fluids and competitors' fluids of this type.

\*ASTM: American Society for Testing and Materials.

# TRACTOR-HYDRAULIC

## Typical performance results

NAME	THF (M)	THF(W)	THF(S)
COLOR (D-1500)	3.0	3.5	3.5
DENSITY @ 15°C (D-4052), KG/L	0.867	0.8692	0.875
VISCOSITY (D-445), CST @ 40°C	40.7	32.6	58.3
CST @ 100°C	9.3	7.2	9.2
VISCOSITY INDEX (D-2270)	222	194	135
BROOKFIELD VISCOSITY (D-2983) CP @ -40°C	11300	9444	-
CP @ -35°C	-	-	40000
CP @ -20°C	1000	-	3760
TOTAL BASE NUMBER (D-2896), mgKOH/g	7.0	7.0	7.0
POUR POINT (D-97), °C	-42	-45	-42
FLASH POINT (D-92), °C	200	206	222
USEFUL OPERATING TEMPERATURE, °C, MIN/MAX	-17/82	-20/73	-10/85
RUST PROTECTION (D-665A)	PASS	PASS	PASS
COPPER CORROSION (D-130MOD), 3 HR/150°C	1b	1b	1b

## Available sizes & part numbers

Tractor Hydraulic Fluid	3.78L (1 US gal)	18.9L Pail (5.0 US gal)	205L Drum (54.2 US gal)	1000L Cube (264 US gal)	Bulk
Tractor Hydraulic Multi-grade	F0020426	F0086140	F0015550	F0020460	B0020401
Tractor Hydraulic Winter		F0079340	F0060050	F0060060	B0060001
Tractor Hydraulic Summer		F0079440	F0060850	F0060860	B0060801

Check with sales representative or website for the latest product approvals.



Lubricants

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