



## HYDRA-TRANZ<sup>®</sup>

### Multi-Use Tractor Fluid for Hydraulic, Transmission, Differential and Wet Brake Systems

#### PRODUCT DESCRIPTION

PENNZOIL<sup>®</sup> HYDRA-TRANZ<sup>®</sup> tractor fluid is an advanced product designed to handle severe service requirements of hydraulic systems, transmissions, differentials and wet brakes in farm and industrial tractors and construction equipment. PENNZOIL<sup>®</sup> HYDRA-TRANZ<sup>®</sup> is formulated with PureBase<sup>®</sup> base stocks - which provides excellent resistance to breakdown under heat and stress - for long service and component life. It is further fortified with premium additives incorporating the latest technology for wear prevention, oxidation resistance, foam control, rust and corrosion prevention and seal swell control. PENNZOIL<sup>®</sup> HYDRA-TRANZ<sup>®</sup> tractor fluid offers outstanding shear stability - for smooth and consistent shifting, and its frictional properties help prevent brake chatter and provide the needed braking capacity. It further retains its protective qualities even in the presence of water. In addition to satisfying laboratory and test rig requirements, PENNZOIL<sup>®</sup> HYDRA-TRANZ<sup>®</sup> has been successfully field tested and used in numerous makes of tractors and implements under a variety of operating conditions.

#### APPLICATION

PENNZOIL<sup>®</sup> HYDRA-TRANZ<sup>®</sup> tractor fluid is recommended for worldwide use in farm and construction tractors and implements made by major manufacturers. This multifunctional fluid is designed to eliminate inventory of multiple tractor fluids. It lubricates transmissions, differentials and final drive gears; transmits power for steering and braking; implements hydraulic drives and provides proper cooling and frictional properties for wet brakes and power take-off clutches.

<b>Recommended for use in this equipment:</b>	<b>In place of fluids meeting these specifications:</b>	<b>Recommended for use in this equipment:</b>	<b>In place of fluids meeting these specifications:</b>
<b>AGCO</b> (Deutz-Allis, Allis-Chalmers, AGCO-Allis)	Power Fluid 821XL 272843(Power Fluid 821) 257541 246634	<b>Kubota</b>	UDT
<b>Allison Division-GMC</b>	C-2/C-3 Fluid	<b>Massev Ferguson</b> (now part of Agco)	M-1110 M-1127 A and B M-1129 A (Permatran) M-1135 M-1141 (Permatran III), M-1143
<b>Case</b> (J.I. Case, Case IH, Steiger, International Harvester, David Brown, McCormick Farmall)	JIC-143 JIC-144 JIC-145 JIC-185 MS-1204 MS-1206 (Powergard PTF) MS-1207 (Hy-Tran <sup>®</sup> Plus) MS-1209 MS-1210 (TCH) B-5 B-6 (Hy-Tran <sup>®</sup> ) SEMS 17001	<b>New Holland</b> (Ford, Sperry-Vickers, Fiat, Versatile)	FNHA-2-C-200 ("200 Fluid") FNHA-2-C-201 ("134D Fluid") ESN-M-2C41- B ESN-M-2C43 ESN-M2C48-A and B ESN-M2C53-A and B ESN-M2C86- B and C ESN-M2C92-A ESN-M2C134-A, B, C, and D Specification 23M and 24M I-286-S, 35VQ25 M-2950-S, M-2952-S
<b>Caterpillar</b>	TO-2	<b>Renk Doromat</b>	873, 874 A and B
<b>CNH</b>	See Case or New Holland	<b>Volvo VME</b>	WB-101
<b>John Deere</b>	Ouatrol <sup>®</sup> JDT 303 Hy-gard <sup>®</sup> J14 B and C J20 A, B, C and D J21 A	<b>White Farm</b> (Minneapolis-Moline Oliver, New Idea)	Q-1705, Q-1722 Q-1766 & Q-1766B Q-1802, Q1826, Type 55
<b>Hesston-Fiat</b>	AF-87	<b>ZF</b>	TE-ML-03E
<b>International Harvester</b>	See Case		

Additional equipment that PENNZOIL® HYDRA-TRANZ® can be used in includes systems made by: Belarus, Claas, Clark, Eaton Hydraulics, IMT, International Hough (Dresser Construction Equipment), JCB, Kioto, Komatsu, Komatsu-Dresser, Landini, Leyland, Mitsubishi Poclair, Rockwell Transmissions, Same Deutz-Fahr, Sauer Sunstrand, Universal, Valmet, Volvo and Yanmar.

## BENEFITS

- Multi-functional fluid
- Meets numerous manufacturers' requirements
- Compatible with manufacturers' fluids
- Excellent high temperature protection and oxidation resistance
- Maintains protection in the presence of water
- Protects against wear in gears, bearings, and hydraulic pumps
- Minimizes brake pad wear and maximizes braking capacity
- Reduces brake chatter
- Outstanding PTO clutch friction retention and disc wear protection
- Prevents rust and corrosion
- Compatible with seals

## TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PENNZOIL® HYDRA-TRANZ®

TEST	METHOD	TYPICAL RESULTS
Approx ISO Grade	ISO 3448	68
Approx SAE Grade	SAE J300 (JUN97)	10W-30
Gravity, °API	ASTM D-287	30.3
Viscosity		
@ 40°C cSt	ASTM D-445	62.0
@ 100°C cSt	ASTM D-445	9.8
@ 100°F SUS	ASTM D-445 & 2161	286
@ 210°F SUS	ASTM D-445 & 2161	57.2
@ -20°C cP		4,100
@ -35°C cP		50,600
Viscosity Index	ASTM D-2270	140
Pour Point, °C(°F)	ASTM D-97	-42 (-44)
Flash Point, °C(°F)	ASTM D-92	199 (390)
Color	Visual	Clear Pale
MSDS Number		329
Material Number		
Bulk		5530
2/2.5 Gal		5532
5 Gal Pail		5534
55 Gal Drum		5536