



Universal Tractor Hydraulic Fluid

Hartland Universal Tractor Hydraulic Fluid is blended to incorporate advanced additive technology combined with highly refined base stocks to provide excellent long-term service in modern agri-industrial equipment under severe conditions. It is designed for use in equipment utilizing a common pump or requiring a single fluid for final drive, transmission, differential, power take-off (PTO) units and wet brake systems.

Hartland Universal Tractor Hydraulic Fluid additive formulation has superior detergent, dispersant, anti-wear, anti-oxidant, anti-rust and anti-foam agents along with special friction modifiers. It is a true multi-functional fluid with detergents to keep transmissions clean and maintain hydraulic control circuits while providing outstanding protection against seal and pump deterioration and wet brake noise suppression under wide temperature ranges. The special friction modifiers permit the wet brakes to hold properly and allow smooth engagement of power take off (PTO) clutches.

Hartland Universal Tractor Hydraulic Fluid has been field-tested and is suitable for use where any of the following fluids are recommended:

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|-------------------------|--------------------------------------|
| Allis Chalmers PF-821XL | John Deere |
| Allison C-3 | J20A (Hy-Gard) |
| Caterpillar TO-2 | J20C, J14B, J14C, J21A |
| Denison HF-O | 303, Quatrol |
| Deutz HTF | Kubota UDT |
| Ford Tractor | Massey Ferguson |
| M2C41-B, M2C48-B | M-1110, M-1127 |
| M2C53-C, M2C77-A | M-1129 (Permatran) |
| M2C86-B, ESN-M2C134 | M-1135, Permatran III |
| M2C134-B, M2C134-C | Oliver Type 55 |
| M2C134-D | Renk Doromat ATF |
| International Harvester | Steiger Hydraulic Trans Fluid |
| Hy-Tran, spec. B-6 | Sunstrand HMS-103 |
| JI Case/David Brown | Versatile Gear/Hydraulic Trans Fluid |
| JIC-143, 144, 145, 185 | Whie Q1722, Q1826 |
| MS-1204, 1205 | |
| 1206 (Powergard PTF) | |
| 1210 (TCH) | |

TYPICAL TEST DATA	
Gravity, API	28-30
Flash Point, °F	400
Pour Point, °F	-10 to -20
Viscosity cSt at 40°C	40-65
Viscosity cSt at 100°C	9.0-9.3
Viscosity Index	135

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