

## *Hartland Universal Tractor Hydraulic Fluid*

**Hartland Universal Tractor Hydraulic Fluid** is a premium quality tractor hydraulic fluid blended from highly refined base stocks and formulated for long-term service 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 (PT-O) units and wet brake systems.

**Hartland Universal Tractor Hydraulic Fluid**, through the use of premium quality base stocks and up to date additive technology, is formulated to provide the highest levels of protection available. **Hartland Universal Tractor Hydraulic Fluid** has been specifically formulated to meet the above applications resulting in one fluid for many transmission/torque converter and hydraulic fluid requirements. Equipment manufacturer recommendations and conventional guides to lubricant selection should be followed to determine the suitability of **Hartland Universal Tractor Hydraulic Fluid** for a specific application.

### **FEATURES:**

- Excellent extreme pressure (EP) properties
- Excellent oxidation resistance and corrosion protection
- Excellent anti-foam properties
- Excellent anti-rust properties
- Excellent anti-wear properties
- Excellent low temperature performance characteristics
- Helps maintain seals and gaskets used in modern tractors

### **TECHNICAL DATA:**

|  |       |
|--|-------|
| API                                    | GL-4  |
| Brookfield Viscosity, D-2893 cPat-18°C | 3,000 |
| Viscosity @ 100°C, cSt                 | 9.63  |
| Viscosity @ 40°C, cSt                  | 58.36 |
| Pour Point: °C                         | -42   |
| Viscosity Index                        | 149   |
| API Gravity                            | 32    |
| Flash Point, COC, °C                   | 222   |

**APPLICATIONS:**

|                              |  |
|------------------------------|--|
| Allison                      | C-(3&4)  |
| Caterpillar                  | Power shift transmission specifying Cat TO-2   |
| Case-New Holland             | MAT 3525, 3526/3540  |
| Denison                      | (Pump only) HF-(0 thru 2)  |
| Deutz                        | Hydr Trans Fluid   |
| Deutz-Allis                  | HTF(PF821); 821XL  |
| Ford-New Holland<br>M2C53-A, | M2C134 - ( A thru D ), M2C86 - ( A thru C), M2C86-(A&B), M2C77-A,<br>M2C48-(B&C), M2C41-B & M2C159                                   |
| Fiat-Hesston                 | AF-87  |
| I.H.C.                       | B-5 & B-6 Hytran   |
| J.I. Case/Case International | MS-1204, 1205, 1206 (Powergard PFT), 1207(Hy-Tran Plus), 1209 (Hy-Tran Plus), 1210, JIC-143, 144, 145 (TCH Fluid), & 185 (TFD Fluid) |
| John Deere                   | J14(A,B,C JDT303), J20(A,B,C Hy-Gard), J21A, & J27(10W or 30)  |
| Kubota                       | Universal Transhydraulic Fluid (UTD), Super UTD2   |
| Landini<br>(Massey-Ferguson) | Tractor Hydraulic Fluid<br>M1110, M1127 A&B. 1129A Permatran, 1135 Permatran III, 1139, 1141, 1143, & 1145                           |
| Oliver                       | Type 55, Type 5J, & Q1802  |
| Renk                         | Bus Automatic Trans Fluid  |
| Sperry Vickers/Eaton         | I-280-S & M2950S   |
| Steiger                      | Hydr Trans Fluid   |
| Sauer Sunstrand/Danfoss      | Hydro Static Trans Fluid   |
| Versatile                    | Gear & Hydr Trans Fluid  |
| Volvo                        | (including latest wet-brake requirements)  |
| White                        | Q-1766, Q-1766B (UTHF), Q-1826, Q-1802, Q-1705, Q-1722   |
| ZF Transmissions             | TEML03 & TEML06  |