

## PRODUCT DATA SHEET

### **Powertech Universal Tractor Hydraulic Fluid** **Universal Tractor Fluid**



#### **PRODUCT DESCRIPTION:**

**Powertech Universal Tractor Hydraulic Fluid** is a superior multi-purpose tractor fluid recommended for most modern tractors with combination transmission, differential, wet brakes, hydraulic and hydrostatic systems, as specified by the equipment manufacturers. This product is a special blend of selected high quality paraffinic base oil, a high performance additive system and a shear stable viscosity index improver. It is designed to prevent wear in the heavily loaded transmission and differential gear assembly. It also provides the high viscosity performance required by today's tractor to handle demanding field conditions. The multiplicity of equipment manufacturer's approval makes this fluid uniquely useful in a broad range of applications. It also has the Allison C-4, C-3 approvals.

#### **KEY FEATURES:**

- Superior additive package
- Low pour point
- Shear stable viscosity index improver
- High performance anti-wear package
- Contains premium anti-oxidant, anti-foam agents, seal swell, and rust and corrosion inhibitors

#### **CUSTOMER BENEFITS:**

- Provides chatter free and frictional performances in wet brakes for longer service life.
- Allows better mobility and lubrication at low operating temperatures for entire system.
- Minimizes the viscosity change in transmissions, torque converters and hydrostatic drives subject to higher operating temperatures.
- Provides enhanced load carrying ability and prevents scoring as well as gear wear.
- Protects and gives longer equipment and hose life and reduced overall maintenance costs.

#### **APPLICATIONS:**

**Powertech Universal Tractor Hydraulic Fluid** is designed for use in various modern tractor manufacturers' equipment and hydraulic systems of other equipment needing a high performance additive system. It is also approved for use in transmissions where Allison C-4/C-3 specifications are required.

#### **PACKAGING:**

Drums, Totes, Pails and Quarts

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### SPECIFICATIONS AND APPROVALS:

|                      |  |
|----------------------|--|
| John Deere           | J20A, J20C, Hygard J14B, J21A, JDM   |
| Allison              | C-4, C-3   |
| Ford New Holland     | M2C53A/C, M2C41B, M2C86B/C, M2C134A/B/C/D, M2C77A, ESN-M   |
| Caterpillar          | TO-2   |
| Case/IH              | MS-1209/Hy-Tran Ultra, MS-1207/Hy-Tran Plus, MS-1210/TCH, MS 1204/TFD Fluid, MS 1205/TFD-II Fluid, MS-1206/PTF Fluid, JIC 145, Hy-Tran |
| Allis Chalmers       | Power Fluid 821XL, Power Fluid 322   |
| Massey Ferguson/AGCO | M-1129A, M-1135, M-1139, M-1141(Permatran), M-1143   |
| Kubota               | Universal Transdraulic Fluid, UDT Fluid  |
| White New Idea       | Q-1766B, Q-1722, Q-1802, Q-1826, UHTF Type 55  |
| Deutz-Allis          | AC Power Fluid 821XL   |
| Sundstrand           | Hydrostatic Transmission Fluid   |
| Sperry Vickers       | Pass Pump Test, 35VQ25   |

### Typical Properties

| Powertech Universal Tractor Hydraulic Fluid |         |             |
|---|---------|-------------|
| Product Number                              | 255D    | Test Method |
| API   | 30.48   | -           |
| Specific Gravity@60°F                       | 0.87357 | ASTM 4052   |
| Lbs/Gal                                     | 7.275   |             |
| Density                                     | 0.87308 |             |
| Flash Point@°C                              | 204     | ASTM D445   |
| Pour Point@°C                               | -48     | ASTM D97    |
| ASTM Color                                  | <3.0    | ASTM D1500  |
| Viscosity@40°C, cSt                         | 9.35    | ASTM D445   |
| Viscosity@100°C, cSt                        | 59      | ASTM D445   |
| Viscosity Index (VI)                        | 141     |             |

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

### Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, [www.royalmfg.com](http://www.royalmfg.com), or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.