

## 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.*