



Hi-Tec Oil Traders Pty Ltd ABN 28 053 837 362  
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# PRODUCT DATA SHEET

## UNIVERSAL TRANS

### PRODUCT DESCRIPTION

**Hi-Tec UNIVERSAL TRANS** is a 10W30 grade new generation hydraulic/transmission Universal Tractor Transmission Oil (UTTO) designed for a wide range of power-driven agricultural equipment fitted with gears, transmissions, differentials, final drives, hydraulic pumps, hydraulic bearings, wet brakes, and power take-off (PTO) clutches.

**Hi-Tec UNIVERSAL TRANS** application does not end at the farm gate. It will improve performance in many off-road applications, particularly in service which places tough demands on power driven components, including off-highway, construction machinery and industrial equipment. As an added bonus, lubricant inventories can be reduced.

### RECOMMENDATIONS

**Hi-Tec UNIVERSAL TRANS** can be used in a large range of equipment such as John Deere, Massey Ferguson, New Holland, Case, Komatsu, Kubota, Volvo, Allison, Caterpillar, Denison, Sperry Vickers, Plessey and Sundstrand (please consult the **Hi-Tec UNIVERSAL TRANS** attachments for details: "Approvals / Recommendations" sheet.

### BENEFITS

**REDUCE INVENTORY** since **Hi-Tec UNIVERSAL TRANS** can replace three or more farm lubricants. This benefit not only simplifies tractor and other farm equipment servicing but avoids possible misapplication of lubricants which may result in damage to vehicle components.

**FILTERABILITY** is superior to competitive fluids. **Hi-Tec UNIVERSAL TRANS** overcomes the tendency of filter plugging; particularly where other fluids being used contain trace moisture contamination. With **Hi-Tec UNIVERSAL TRANS**, supply of lubricant is assured to all moving surfaces.

**IMPROVED EP ANTI-WEAR PERFORMANCE** is provided by **Hi-Tec UNIVERSAL TRANS**, giving long trouble-free service in the high load conditions experienced in transmissions, axles and hydraulic systems.

**TRACTOR POWER TAKE-OFF LIFE** is also greatly extended because **Hi-Tec UNIVERSAL TRANS** has the special ability to quickly stall to prevent the clutch from slipping and burning up when a tractor-driven implement hits a large object in the field. **Hi-Tec UNIVERSAL TRANS** provides faster stall times reducing clutch wear and prolonging PTO life.

**BRAKE CHATTER** can mean greater braking difficulty and ultimate premature failure. **Hi-Tec UNIVERSAL TRANS** suppresses chatter without demerits to braking capacity. The balanced friction control ensures proper functioning of the wet brake and PTO clutches.

**SEAL SWELL** properties of **Hi-Tec UNIVERSAL TRANS** are especially controlled so that seal gasket and wet brake compositions do not deteriorate, thereby avoiding costly repairs and down time.



AUSTRALIAN FAMILY OWNED SINCE 1989





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## PRODUCT DATA SHEET

### TYPICAL TESTS

### LIMITS

### UNIVERSAL TRANS 10W30

API Service GL4/CRC L20		Pass
Density, kg/ltr @ 15°C		0.893
Viscosity, cSt @ 100°C (Unused) (Sonic Shear, 30 mins) @ 40°C	9.0 Min, 10.0 Max	9.41
Viscosity Index	8.0 Min	8.5
	Report	55.5
	140 Min	153
Pour Point, °C	- 30 Max	-36
Flash Point, COC, °C	180 Min	216
Copper Strip Corrosion, 3 hrs at 150°C	1b Max	1a
Foaming Characteristics, 1% H <sub>2</sub> O		
Sequence I	30 Max	10/0
Sequence II	50 Max	40/0
Sequence III	50 Max	10/0
Ford 7710 Brake Chatter	Less than M2C134D Reference Oil	Pass
MF Chatter Test	Less than Reference	34.6% better
MF Torque Test	Less than Reference	10.1% better
Ford Stall Time with 4610 PTO, sec	3.0 Max	1.5
Denison Pump T5D Vane 46 Series Piston	Pass HF-O Pass HF-O	Pass Pass
Vickers Pump 35VQ-25		
Ring and Vane Weight Loss, mg		
1st Hour	90	45
2nd Hour	90	53
3rd Hour	90	64
Plessey-Sundstrand Pump - Flow Degradation %	5.0 Max	0

### ACCEPTABILITY OF HI-TEC UNIVERSAL TRANS TO OEMs

Please refer to the separate data sheet "Approvals/Recommendations" showing the extensive list of approvals and recommendations claimable by **Hi-Tec UNIVERSAL TRANS**.

### Product Code:   **HI3-2694-**

"The facts stated and the recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and unless otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purposes".

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