



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

UNIVERSAL TRANS 10W20

PRODUCT DESCRIPTION

Hi-Tec UNIVERSAL TRANS 10W20 is a 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 10W20 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 10W20 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 10W20** "Approvals / Recommendations" data sheet.

BENEFITS

REDUCE INVENTORY since **Hi-Tec UNIVERSAL TRANS 10W20** can replace three or more farm lubricants. This benefit not only simplifies tractor and other farm equipment servicing but avoids possible mis-application of lubricants which may result in damage to vehicle components.

FILTERABILITY is superior to competitive fluids. **Hi-Tec UNIVERSAL TRANS 10W20** overcomes the tendency of filter plugging; particularly where other fluids being used contain trace moisture contamination. With **Hi-Tec UNIVERSAL TRANS 10W20**, supply of lubricant is assured to all moving surfaces.

IMPROVED EP ANTI-WEAR PERFORMANCE is provided by **Hi-Tec UNIVERSAL TRANS 10W20**, 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 10W20** 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 10W20** 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 10W20** 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 10W20** 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 10W20

API Service GL4/CRC L20		Pass
Density, kg/lit @ 15°C		0.883
Viscosity, cSt@ 100°C (Unused)	8.0 Min, 9.30 Max	9.0
(Sonic Shear, 30 mins)	8.0 Min	8.5
@ 40°C	Report	45.0
Viscosity Index	140 Min	186
Pour Point, °C	- 30 Max	-39
Flash Point, COC, °C	180 Min	216
Copper Strip Corrosion, 3 hrs at 150°C	1b Max	1a
Foaming Characteristics, 1% H ₂ 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	Pass HF-O	Pass
46 Series Piston	Pass HF-O	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 10W20 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 10W20**.

"Hi-Tec Oil Traders Pty Ltd (Hi-Tec Oils) has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.hi-tecoils.com.au. Hi-Tec Oils takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner. Our product warranty and product quality statement can be viewed at www.hi-tecoils.com.au"

Product Code: HI3-2596

Effective: October 2015

Expires: October 2017

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