



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

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PRODUCT DATA SHEET

UNIVERSAL TRANS 10W/20

PRODUCT DESCRIPTION

Universal Trans 10W/20 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.

Universal Trans 10W/20 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

Universal Trans 10W/20 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.

BENEFITS

REDUCE INVENTORY: **Universal Trans 10W/20** can replace three or more farm lubricants. This 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. **Universal Trans 10W/20** overcomes the tendency of filter plugging; particularly where other fluids being used contain trace moisture contamination. With **Universal Trans 10W/20**, supply of lubricant is assured to all moving surfaces.

IMPROVED EP ANTI-WEAR PERFORMANCE: **Universal Trans 10W/20** gives a long trouble-free service in the high load conditions experienced in transmissions, axles and hydraulic systems.

TRACTOR POWER TAKE-OFF LIFE: Facilitates extension of take-off life because **Universal Trans 10W/20** 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. **Universal Trans 10W/20** provides faster stall times, reducing clutch wear and prolonging PTO life.

BRAKE CHATTER: Results in greater braking difficulty and ultimate premature failure. **Universal Trans 10W/20** 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 **Universal Trans 10W/20** are especially controlled so that seals, gaskets and wet brake components do not deteriorate, thereby avoiding costly repairs and down time.

ACCEPTABILITY OF UNIVERSAL TRANS 10W/20 TO OEMs

Please contact the Hi-Tec Oils Technical Department for an extensive list of approvals and recommendations claimable by **Universal Trans 10W/20**.

Hi-Tec suggests that the equipment manufacturers' recommendations for viscosity grade, performance requirements and general operating conditions should be checked prior to use.



AUSTRALIAN FAMILY OWNED SINCE 1989





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TYPICAL TESTS

API Service GL4/CRC L20
Density (kg/Lt) @ 15°C
Viscosity (cSt) @ 100°C (Unused)
@ 40°C
Viscosity Index
Pour Point (°C)
Flash Point COC (°C)
Copper Strip Corrosion (3 hrs at 150°C)
Foaming Characteristics (1% H₂O)
Sequence I
Sequence II
Sequence III

LIMITS

8.0 Min, 9.30 Max
Report
140 Min
-30 Max
180 Min
1b Max
30 Max
50 Max
50 Max

UNIVERSALTRANS 10W20

Pass
0.860
8.7
54.0
136
-39
207
1a
10/0
40/0
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

Available in: Bulk, 200 Litres and 20 Litres

"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"

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