



UNIVERSAL TORQUE FLUID COMPLETE



◆ VARIABLE TRANSMISSIONS

The move to Variable Transmissions (CVTs and IVTs) by OEMs in the agriculture, construction and forestry industries is driven by the need for more fuel-efficient units and higher productivity. While the initial cost of the Variable Transmission might be higher, this is offset by the fuel efficiency and productivity it provides. Also, there is more accurate control of speed, they are easy to operate, and they are long-lasting which helps with resale value of equipment.

Variable Transmissions offer less wear when compared to Powershift Transmissions, where clutchplates are used to shift through the gears and wear can occur over time. But Variable transmissions do place additional stress on the lubricating fluid and require a special shear stable additive found in UNIVERSAL TORQUE FLUID COMPLETE.



◆ BENEFITS FOR VARIABLE TRANSMISSIONS

UNIVERSAL TORQUE FLUID COMPLETE has been specially formulated to meet the latest specifications needed for the OEM's versions of their CVTs and IVTs. UNIVERSAL TORQUE FLUID COMPLETE contains an extremely shear stable additive to maintain viscosity and promote long fluid life, which enables longer drain intervals.

UNIVERSAL TORQUE FLUID COMPLETE's shear stability additive also provides dispersant properties to help prevent deposits and promote system cleanliness and provides enhanced demulsibility in the oil when water contamination is present.



◆ PROVEN CHEMISTRY AND ONE COMPLETE FLUID

UNIVERSAL TORQUE FLUID COMPLETE takes our multi-decade proven UNIVERSAL TORQUE FLUID to the next level, providing one fluid for your equipment with various transmissions, to include Powershifts plus CVTs and IVTs such as Case IH, New Holland, John Deere IVT™AutoPowr™, JCB Fastrac, and more.

UNIVERSAL TORQUE FLUID COMPLETE is formulated to be a high-performance fluid and contains enhanced additive packages to effectively protect gears, clutches, and pumps by providing boosted anti-wear protection and corrosion protection. Oxidation in the system is greatly reduced with UNIVERSAL TORQUE FLUID COMPLETE to keep hydraulic components cleaner and eliminate sluggish or erratic operation. The enhanced additive package also boosts the foam inhibitors in UNIVERSAL TORQUE FLUID COMPLETE, which also contributes to reduced operating temperatures and smoother valve and hydraulic function. Whether you have a Powershift Transmission or a Variable Transmission, UNIVERSAL TORQUE FLUID COMPLETE provides the versatility of one fluid for most of your transmission applications, reducing inventory and providing superior protection. Texas Refinery Corp recommends checking your OEM manual for the specification listed on the back.

**Made In The
U.S.A.
Since 1922**

UNIVERSAL TORQUE FLUID COMPLETE is a high performance tractor hydraulic fluid formulated to exceed the chemical and physical requirements of the following current specifications and can be used in transmissions, final drives, clutches, wet brakes, and hydraulic systems:

AGCO Powerfluid 821 XL
AGCO Q-1826 (White Farm)
Alison C-4
API GL-4
Case MS-1209 (Hy-Trans Ultra Mastertran)
Case MS-1210
Case MS-1230
Case New Holland 410B
Case New Holland MAT 3505
Case New Holland MAT 3506
Case New Holland MAT 3509
Case New Holland MAT 3525
Case New Holland MAT 3526
Case New Holland MAT 3540
Caterpillar TO-2
Claas/Renault

Clark HR 500
Clark TA 12
Clark TA 18
Deutz-Allis 246634
Deutz-Allis 257541
Deutz-Allis 272843
Deutz-Fahr
Fendt (Non-Vario)
Ford New Holland M2C-86C
Ford New Holland M2C-134D
Ford New Holland FNHA-2-C-200
Ford New Holland FNHA-2-C-201
JCB
John Deere J20C
John Deere J21A
Komatsu B-06-0001

Komatsu B-06-0002
Kubota UDT
Kubota Super UDT
Landini
Massey Ferguson CMS M-1135
Massey Ferguson CMS M-1141
Massey Ferguson CMS M-1143
Massey Ferguson CMS M-1145
Parker-Denison T6H20C
Renault Transmissions
Volvo VCE WB 101
Volvo VCE WB 102
Yanmar TF-500
Zetor OTH
ZF TE-ML 03E, 05F, 08K, 17E, 21F

Hydraulic Pump Specifications: Denison HF-0, HF-1, HF-2; MAG Cincinnati Machine; Sauer-Danfoss (Sunstrand) Hydrostatic Fluid; Vickers (Eaton) I-286-S, 35VQ25, M-2950-S

SPECIFICATIONS

UNIVERSAL TORQUE FLUID COMPLETE

APPLICATION: Used in systems having a common oil for Hydraulic Systems, Wet Clutch, Transmission and/or Wet Brakes where squeak or chatter is a problem.

| | John Deere J20C Specifications | Universal Torque Fluid Complete |
|---|-----------------------------------|------------------------------------|
| Dielectric Strength | -- | 35,000+ Volts |
| Percent weight of: | | |
| Zinc | -- | .20 Minimum |
| Phosphorous | -- | .11 Minimum |
| Calcium | -- | .42 Minimum |
| Viscosity Index | -- | 170 Minimum |
| Base Number | -- | 14 |
| Kinematic Viscosity, cSt at 40°C | -- | 55.0 |
| Kinematic Viscosity, cSt at 100°C (212 F) (ISO 3104) | 9.1 min. | 9.5 |
| Brookfield Viscosity @ -35°C, cSt (ASTM D2983) | <70,000 | 37,500 |
| Flash Point, °F | 392 min. | 485 |
| Pour Point, °F | -32 | -40 |
| Copper Strip Corrosion | — | 1A |
| John Deere Oxidation Stability Test (JDQ23) | | |
| Viscosity Increase @ 100°C | 10% Max | 1.3% |
| Evaporation loss @ 100°C | 5 % Max | .9 % |
| Sludge Formation | None | None |
| Additive Separation | None | None |
| John Deere Gear Wear Test (JDQ95) | | |
| Spiral Bevel Rating | Pass | Pass |
| Sun Pinion Wear | Pass | Passes at <0.018mm |
| Gear Surface Condition | Pass | Pass |
| John Deere Transmission Test (JDQ94) | | |
| Total Cycles | 2,000 | 2,000 |
| Initial Coefficient of friction | 0.15 max | 0.089 |
| Final Coefficient of friction during stalls | 0.08 min | 0.083 |
| Stall Times | 5.00 max | 1.82 |
| John Deere Water Sensitivity Test (JDQ19) | | |
| Solids % Volume | 0.1 max | 0.0 |
| Additive loss, % mass | 15% max | 0.0 |
| John Deere Rust Protection (JDQ22) | | |
| Rust protection, hours | 100 | 100 |
| FZG Gear Scuff Test | — | 10 |

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

TEXAS REFINERY CORP

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