

***SERVING THE CANADIAN FARMER  
SINCE 1948!***

**UTF RED**

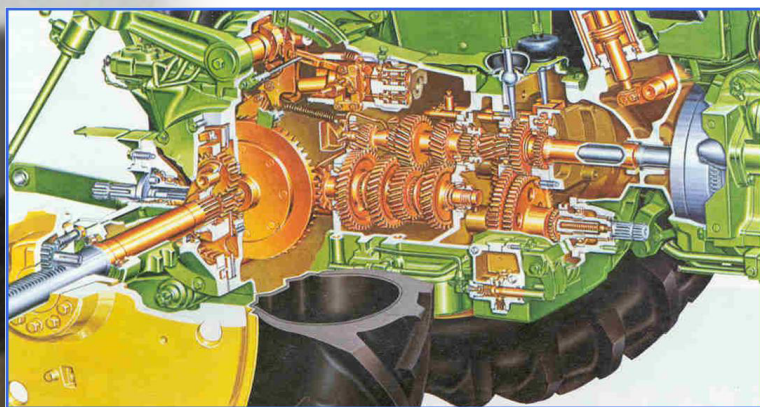
A man in a light blue t-shirt and jeans stands on the platform of a green John Deere combine harvester. The harvester is in a field of golden wheat. In the background, a large Canadian flag is visible. The harvester has "JOHN DEERE" and "ST" visible on its side.

***At Texas Refinery Corp of Canada Limited,  
we understand your need to minimize  
operating expenses and downtime.***



# Minimize Operating Expenses And Downtime

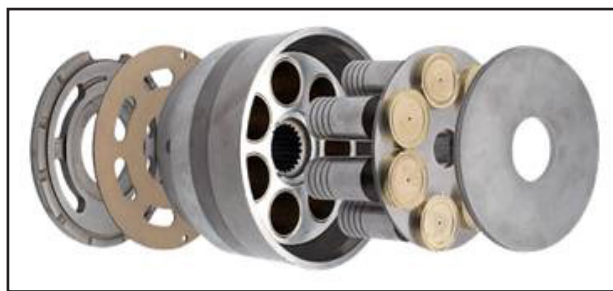
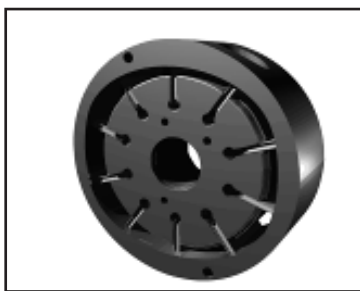
Today, agricultural equipment purchased is more than a major capital investment . . . it is your livelihood. If your equipment is down, your profitability goes down as well. On modern tractors, the hydraulic systems are sophisticated engineering systems with tiny computer processors operating valves and pumps that can send commands faster than our mind can even process them.



Selecting the best tractor fluid is an important decision when it comes to protecting the durability and performance of these sophisticated hydraulic systems. And, it is important to know that all tractor fluids are not created equal. Some fluids on the market, with low performing additive packages, can result in mechanical problems that lead to increased downtime and shorter equipment life.

UTF Red contains more additive chemistry than required by OEM's. UTF Red is a high performance multi-purpose tractor hydraulic fluid providing advanced additive technology for your tractor's transmission, final drives, clutches, wet brakes and hydraulic systems. It is formulated to provide excellent wear protection, prevent brake chatter, have a high water tolerance, prevent oxidation and it is suitable for year-round use in hot and cold temperatures.

UTF Red provides a dual wear protection system – protection for spur, helical, spiral bevel gears and bearings and for the soft, yellow metals in hydrostatic and hydraulic equipment. In the John Deere JDQ-95 Wear Test, the chemistry in UTF Red provided exceptional performance, showing little to no wear to the pinion and ring gear. The slightly tacky nature of the UTF Red helps it cling to gears extremely well and absorb shock load. Lower quality fluids did not measure up, leading to severe wear, ridging and scoring of the gears.



*Balanced Anti-Wear to prevent steel on steel while protecting yellow metals*

Fluid oxidation is a chemical reaction between the fluid and oxygen. Oxidation can be responsible for viscosity increase, varnish and sludge formation, additive depletion, loss in anti-foam properties, and an increase in harmful acidic deposits that can reduce heat transfer and efficiency. UTF Red can handle higher operating temperatures, and prevent oxidation, thanks to the new generation base oils used in its formulation, as well as the increased amounts of anti-oxidation chemistry. UTF Red has a high flashpoint of 252°C (485°F), providing a much higher degree of protection against thermal breakdown and oxidation at high temperatures, as compared to other hydraulic tractor fluids.

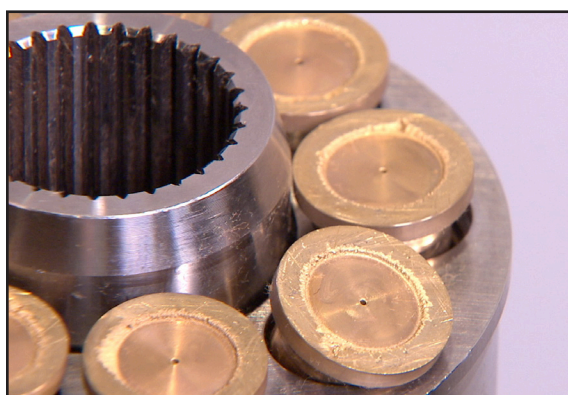
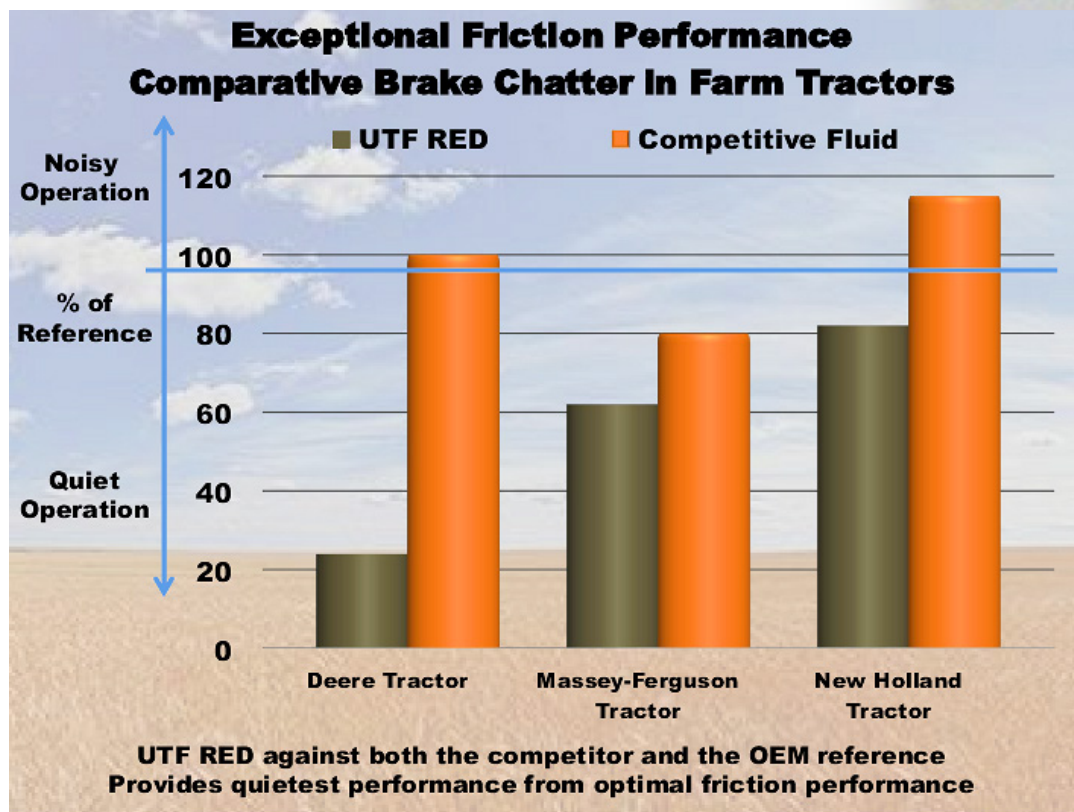


Most OEM's produce tractors with a wet brake system, where the brakes are encased in the tractor's axle housing and bathed in oil, which cools them under heavy loads. Encasing the brakes also protects them from harsh conditions such as dust, mud, water and moisture. Frictional characteristics of a tractor hydraulic fluid are important to reduce noise (brake chatter) but still provide high brake capacity. Loud, squeaky noises when braking, and a vibration of the tractor, can be experienced by the farmer when the tractor hydraulic fluid does not contain enough, or the proper, chemistry.

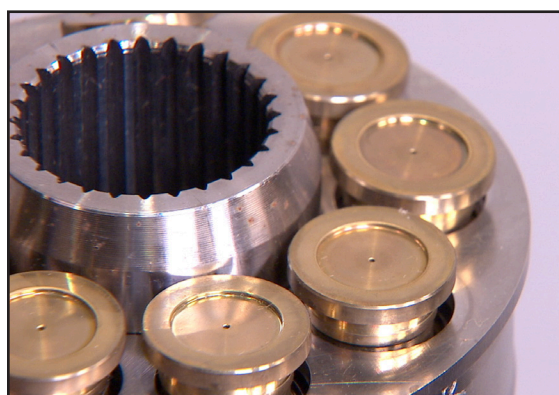
As a high performance fluid, UTF Red contains boosted additive chemistry to improve braking capacity for safety and prevent brake chatter for comfort. UTF Red's technology against both the competitor and the OEM reference provides the quietest performance.

Water is harmful to a tractor's yellow metal components in pumps and valves. Corrosion often leads to sluggish tractor performance and potential hydraulic pump failure. With lower quality tractor hydraulic fluids that mix with water, a corrosive mixture erodes the yellow metal on hydraulic pumps, causing deep scratches on the pump's brass piston shoes. UTF Red provides a higher level of protection in the presence of water, protecting parts from erosion and corrosion. The brass piston shoes are scratch and erosion free.

As a farmer, you have enough to worry about without having to worry about your tractor hydraulic fluid. For over 90 years, Texas Refinery has served the agricultural community, and you can be assured of receiving a product manufactured to exceed OEM credentials and a product to help you maximize your profitability!



*Low quality fluid*



*UTF RED*



UTF RED 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 821X  
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 3506  
Case New Holland MAT 3509  
Case New Holland MAT 3510  
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

### UTF RED

Product Code #6442

**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. UTF can replace ISO 32, ISO 46, and ISO 68 hydraulic oils. UTF RED is approximately a 10W/30 fluid.

	John Deere J20C Specifications	Universal Torque Fluid
Percent weight of:		
Zinc	--	.15 Minimum
Phosphorous	--	.12 Minimum
Calcium	--	.36 Minimum
Viscosity Index	--	170 Minimum
Base Number	--	11.5
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).



**CANADA**

**TEXAS • ONTARIO • SASKATCHEWAN**

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