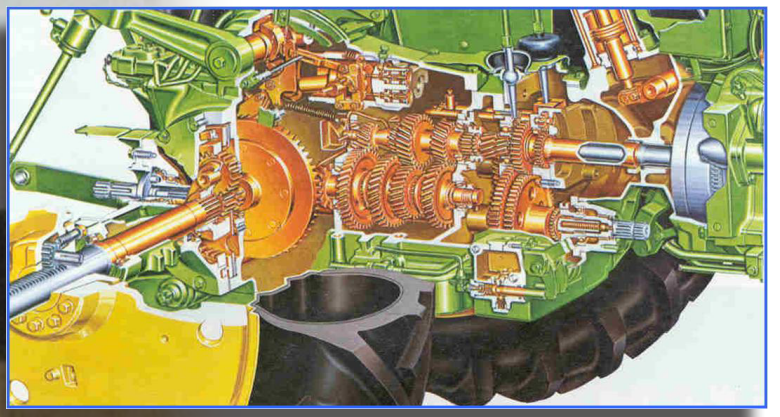
SERVING THE AMERICAN FARMER SINCE 1922!

UTF RED

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

Minimize Operating Expenses And Downtime

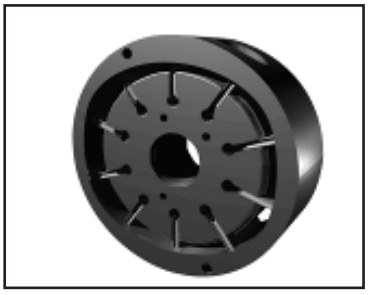
Today, agricultural equipment purchased is more than a major capital investment . . . it is your livelihood. If your equipment is down, your profitability goes down as well. On modern tractors, the hydraulic systems are sophisticated engineering systems with tiny computer processors operating valves 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.

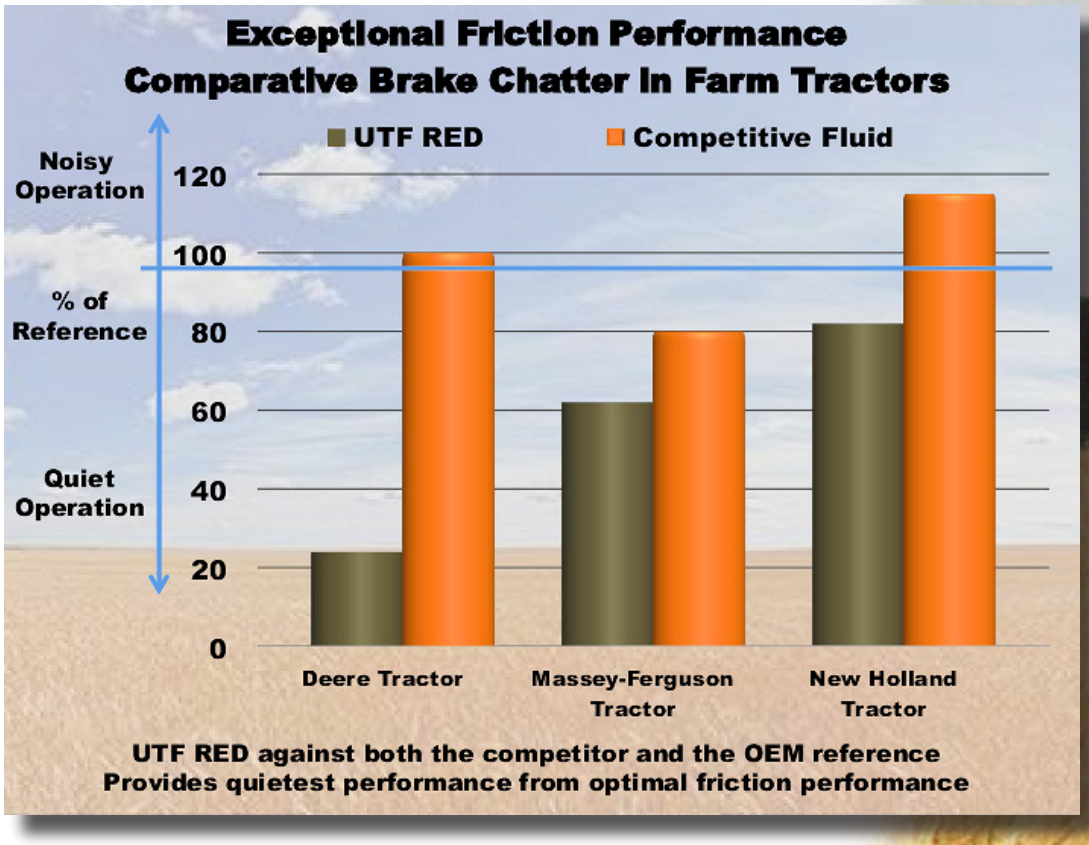


Balanced Anti-Wear to prevent steel on steel while protecting yellow metals

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 485 F, providing a much higher degree of protection against thermal breakdown and oxidation at high temperatures, as compared to other hydraulic tractor fluids.

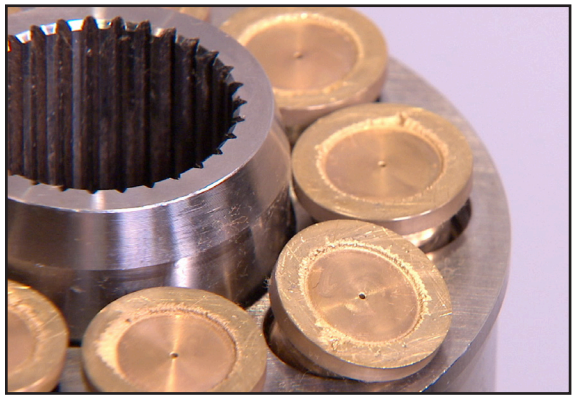
Most OEM's produce tractors with a wet brake system, where the brakes are encased in the tractor's axle housing and bathed in oil, which cools them under heavy loads. Encasing the brakes also protects them from harsh conditions such as dust, mud, water and moisture. Frictional characteristics of a tractor 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.

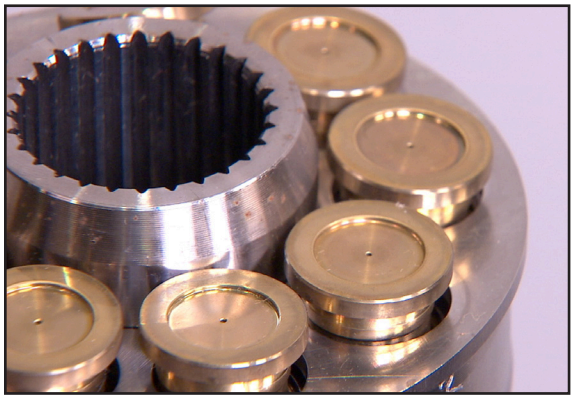


Water is harmful to a tractor's yellow metal components in pumps and valves. Corrosion often leads to sluggish tractor performance and potential hydraulic pump failure. With lower quality tractor hydraulic fluids that mix with water, a corrosive mixture erodes the yellow metal on hydraulic pumps, causing 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 100 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 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
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.

	John Deere J20C Specifications	UTF RED
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

Toll Free Telephone: 1-800-827-0711

E-mail: lube1@texasrefinery.com

Made In The U.S.A. Since 1922

PRINTED IN U.S.A. 2023
L306445