**DESCRIPTION**

TRIAX Agra UTTO Tractor Hydraulic Fluid is an synthetic blend UTTO premium grade especially formulated for use in transmissions, final drives, wet brakes, differentials and hydraulic systems of farm tractors and construction equipment that use a common fluid reservoir that call for a combination lubricant and power transmission fluid (UTTO). TRIAX Agra meets the needs of all modern tractors for high performance combination lubricant. These fluids perform many functions such as lubrication of the transmission and final drive, as well as serving as hydraulic fluid for the operation of power steering units, brakes, implements, and equipment attachments. TRIAX Agra UTTO XL Tractor Hydraulic Fluid features exceptional extreme pressure (EP) and anti-wear performance, protects tractor transmissions, axles and hydraulic pumps. The frictional characteristics are designed to minimize or eliminate “chatter” while permitting the wet brakes to hold properly. Superior additive balance assures smooth engagement of the power take-off clutch.

**APPLICATIONS**

TRIAX AGRA UTTO XL is recommended for an extremely wide range of agricultural and heavy duty off-road transmission and hydraulic applications, for use in a majority of farm tractors, combines, construction equipment and severe service hydraulic systems, including late generation Fendt Variable Transmissions (Fendt VARIO)

TRIAX AGRA UTTO XL meets or exceeds the performance requirements set by virtually all tractor OEM’s, especially high performance requirements of John Deere, CASE, CLAAS, New Holland, Massey Ferguson for hydraulic and transmission applications. TRIAX AGRA UTTO XL is recommended for agricultural and construction equipment combinations of transmissions, hydraulic systems, final drives, power take-off systems and wet brakes, operating in “all-weather” hot and cold temperatures, including, but not limited to John Deere (all tractors), Case, VOLVO, Caterpillar, Kubota, Komatsu, Ford, New Holland, Fendt, Deutz Fahr, Massey Ferguson, CLAAS, JCB and many others.

This product is recommended as a direct replacement for John Deere Hy-Gard™ Tractor Hydraulic Transmission Oil, Ambra™ MULTI G for API GL-4 and MAT 3525 UTTO, AKCELA™ HY-TRAN Ultra for and AKCELA Nexplore UTTO fluids.

**PERFORMANCE**

Proven field tests performance on 250 pieces of equipment over 250,000 hours of operation on John Deere, New Holland, Ford, J. I. Case, International Harvester, Massey-Ferguson and Kubota tractors (tested by Lubrizol Corporation). Field tests included hydraulic OEM equipment requiring the following specifications: Sperry Vickers T-286-S (Industrial), M-2950-S (Mobile Equipment), Denison HF-0, HF-1, HF-2, Sundstrand Hydraulics, Cincinnati Milacron P-68, P-69, P-70.

- 42% less sludge and deposits than OEM specification for Oxidation Resistance in 4L60E Transmission Oxidation Field Test
- 33.7% less slippage in Powershift Transmission tests vs Allison C-4 OEM requirements
- 22.7% more Mid-point Friction Coefficient retention vs OEM requirements

**MASSEY-FERGUSON M1141 TRANSMISSION / CLUTCH TEST**

- 37% less wet brake chatter vs OEM specs of Massey Ferguson and John Deere (according to 250,000 hours of field testing)
- 43.6% more input torque to the fly wheel than Permatran III reference oil for M1141 field test

**J20C /D JOHN DEERE HYDRAULIC, TRANSMISSION & FINAL DRIVE TEST**

Up to 53% BETTER performance than OEM requirements for JDQ95 Spiral Bevel & Final Drive, JDQ96 Brake Torque Variation and Friction Retention, JDQ94 PST Clutch Performance, JDQ84 Hydraulic Pump Performance

**FORD NEW HOLLAND**

10% BETTER performance than OEM requirements for NEW HOLLAND FNHA-2-C-201.00 TESTS - Ford 3000 Gear Wear, Ford 7710 IPTO Engine Stall Time, Ford 4610 IPTO Engine Stall Time, Ford 6610 Brake Test, Brake Capacity SAE J1041 Brake Safety Test

- Outstanding thermal and oxidative stability
- Exceptional copper component protection
- Exceptional detergency
- Excellent rust protection, filterability
- Virtually zero foaming
- Facilitates flawless hydraulic response in nearly all operating conditions
- Patented seal protection for all types of natural or synthetic seals found in modern construction and farm equipment.
- Exceptional load carrying characteristics
- Contains Nitrogen based cleaning system to prevent sludge and varnish formations, while protecting metal surfaces against scuffing and wear, providing continuous outstanding lubrication for spur, helical, and spiral, bevel final drive gears.
TRIAX AGRA UTTO XL
Synthetic Blend Premium Long-Life Tractor Hydraulic & Transmission Fluid
Zinc Free

PRODUCT SPECIFICATIONS
AGCO/Allis Chalmers Powerfluid 821XL
AGCO 0-1722, 0-1766, 0-1826 (Whitefarm)
AGCO White 0-1826
Case Corporation – JIC-143, JIC-144, JIC-145, JIC 185
CASE NEW HOLLAND (CNH) MAT 3505 (1209), MS1204, MS1205, MS1206, MS1207, MAT 3506 (MS1210), CNH MAT 3509 (MS1230), MAT 3525 (FNHA-201.00 = M2C 134D), MAT 3526 (FNHA 2-C-200.00), MAT 3510 (MS1317 = GL-4), MAT 3540,
Caterpillar TO-2
FNHA- 2- C - 201.00
Denison Hydraulics HF-0, HF-1 & HF-2
Flat-Hesson tractors Multi-G, AF-87, Multi-F
Deutz-Fahr
Fendt (Non Vario, Fendt (Vario)
HTF 272943, 257541, 246634
Massey Ferguson CMS M1135, CMS M1141, CMS M1143, CMS M1145
Oliver – Type 55
Renk Doromat 874 A and 874 B
International Harvester B6
Kubota UDT
Komatsu
Landini
Claas/Renault (Renault Transmissions)
Same (Same Transmissions)
Stieger
Sundstrand
Versatile Specification 23M or 24M
Vickers
VCE WB 101 and (WB 102**)1
Volkswagen, WB101
ZF TE-ML, ZF TE-ML – 03E, 03F, 05F, 06E, 06F, 06K, 17E, 21F
Allison C-3, C-4
API GL-4
Massey Ferguson M-1100, M-1127, M-1129, CMS M1135, M1141, CMS M1143, M1145 - Approved
Case New Holland CNH MAT 3525 (Ford ESN-M2C 134-D , FNHA- 2- C - 201.00)
Case New Holland CNH MAT 3505 (MS 1209) back serviceable to MS 1207 and MS 1206
John Deere: J14A,B and C, JTD303, J20A/B, 321A, Quatrol
JIC 143, 144, 145, 185
B-5, B-6, SEMS 17001
Versatile Specification 23M or 24M
Power Fluid PF-821XL, Power Fluid 821
272943 Hydr Trans Fluid, 257541 Hydr Trans Fluid, 246634 Hydr Trans Fluid M-1135, M-1138, M-1143, M-1110, M-1127A and B M-1192A Permatran White 0-1766, 1722, 1766B, 1705, 1802, Type 55

TRIAX AGRA UTTO XL Premium Tractor covers the following tractor, transmission and hydraulic systems manufacturers

Argo S.p.A
Arvin Meritor
Belarus
Buhler
Clark
Class
Dave Brown (part of CNH)
Dexron and Type A, Suffix A (Tractor)
Eaton Hydraulics
Ebu
Fendt (non-Vario)
Fendt (Vario)
Fort and Peggara (Part of Argo S.p.A)
Gleaner (part of AGCO)
Hurlimann
Ingersoll Rand
IMT
International Hough (Dresser)
JCB
John Deere
JI Case
KH Duetz
Kiotto
Komatsu and Komatsu/Dresser
Kubota
Lamborghini
Landini
Laverda (part of Argo S.p.A)
Leyland
Link Belt
Mahindra
Massey Ferguson
McCormick (part of Argo S.p.A.)
Mitsubishi Pociain
Renk
Rockwell Transmissions
Same Deutz-Fahr
Sauer Sundstrand
Schluter
Steiger
Steer Daimier
Sundstand Hydraulics (Piessey)
Taylor
Universal
Ursus
Valmet
Valpandana (part of S.p.A.)
Valtra Tractors
Versatile
Vickers Hydraulics
Volvo
Yanmar
Zetor

TRIAX AGRA UTTO XL Premium Tractor formulations have been field tested against OEM grade products and found to match or surpass the following OEM performance requirements.

John Deere Tractors
Case IH Tractors
Massey Ferguson Tractors
New Holland Tractors
Zetor

UNMATCHED RELIABILITY, ECONOMY AND PROTECTION FOR OEM RECOMMENDED APPLICATIONS

CAN BE USED IN ALL NEW EQUIPMENT STILL UNDER OEM WARRANTY
### TYPICAL CHEMICAL PROPERTIES

Small variations which do not affect performance are expected in manufacturing tolerance limits.

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<tr>
<th>Criteria Information</th>
<th>Test Method</th>
<th>Typical Value</th>
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<tbody>
<tr>
<td>Gravity, °API</td>
<td>ASTM D4052</td>
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<td>Specific Gravity @ 60°F (15.6°C)</td>
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<td>Viscosity @ 40°C cSt</td>
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<td>Viscosity @ 100°C cSt</td>
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<td>Pour Point °C (°F)</td>
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<td>Flash Point °C (°F)</td>
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<td>Viscosity Index</td>
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<td>Color</td>
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<td>Sulfur</td>
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<td>Foam Seq. II (Tendency/Stability), mL</td>
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<td>Foam Seq. III (Tendency/Stability), mL</td>
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### John Deere Q23 Foaming Sequence Approval

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<tr>
<td>I</td>
<td>Sequence I (24°C) 0/0</td>
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<td></td>
<td>Sequence I (93°C) 10/0</td>
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<tr>
<td>II</td>
<td>Sequence I (24°C) 0/0</td>
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<tr>
<td></td>
<td>Sequence I (93°C) 10/0</td>
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<tr>
<td>III</td>
<td>Sequence I (24°C) 0/0</td>
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**Premium Lubricants**

**TRIAX AGRA UTTO XL**

Synthetic Blend Premium Long-Life Tractor Hydraulic & Transmission Fluid

Zinc Free