

## DURATRANS MULTISHIFT TTF SAE 75W/85

### API GL-4

**Premium Performance, HYDRO-SYN™ Tractor Transmission Fluid for use in Tractor and Civil Construction hydraulics, hydrostatic transmissions, wet brakes, PTO and final gear drives of modern farm and industrial wheel and crawler tractors. Exceeds major Tractor and Construction OEM specifications where fluids requiring API GL-4 are recommended and/or required.**

### Description

DuraTrans Multishift TTF GL-4 is an advanced Tractor Transmission Fluid (TTF) that provides smooth gear operation with advanced friction modifiers to allow smooth action of wet brakes and power take-off clutches that ensures elimination of brake chatter, stick-slip and squawk whilst enhancing brake efficiency.

DuraTrans Multishift TTF GL-4 provides an extreme shear stable formulation so that the oil maintains film thickness under severe transmission and hydraulic system operation whilst protecting vital components against scuffing and wear. Advanced anti-wear additive reduces wear by forming a protective layer on metal surfaces under high load/high torque and high speed/low torque conditions.

DuraTrans Multishift TTF GL-4 is formulated with premium HYDRO-SYN™ base oils and advanced oxidation inhibitors to provide excellent thermal and oxidation stability, providing superior resistance to the formation of lacquer, deposits and corrosive oil degradation by-products.

DuraTrans Multishift TTF GL-4 provides component durability, filterability and cleanliness of transmission gears and hydraulic pumps.

### Applications

DuraTrans Multishift TTF GL-4 may be used in agricultural tractors meeting requirements for OEM, industrial and wheel crawler tractors, construction and other off-road equipment requiring latest specifications for farming machinery and construction such as Massey Ferguson (GIMA) and Volvo Construction Equipment.

### Benefits

- Stay-in-grade shear stability improving film strength under severe operating conditions
- Wear protection and cleanliness of transmission drive train components
- High thermal and oxidation durability and stability
- High temperature protection of gear teeth, bearings and input shafts
- Lubrication and protection of seals that maintains elastomisation
- Improved oil fluidity in colder weather due to HYDRO-SYN™ base oils
- Rust and corrosion protection of metals on transmission and hydraulic pumps
- Good filterability in hydraulic system that improves production time and reduces maintenance
- Prevention of foaming

**Specifications**

API: GL-4  
SAE: J306

**AGRICULTURAL:**

AGCO POWERFLUID: 821XL  
CASE: MS 1210  
CASE NEW HOLLAND: CNH 3540  
CASE NEW HOLLAND: CNH 3525  
CASE NEW HOLLAND: CNH 3509  
CASE NEW HOLLAND: CNH 3505  
CLAAS/RENAULT TRACTOR TRANSMISSIONS  
Fendt  
FORD NEW HOLLAND: FNHA-2-C-200.00  
FORD NEW HOLLAND: FNHA-2-C-201.00  
Ford: ESN-M2C86-B/C  
Ford: ESN-M2C134-D  
HCE 102/102W  
John Deere: JDM J20C/J20D  
KUBOTA: UDT Fluid  
MASSEY FERGUSON: CMS  
M1145/1143/1141/1135  
Valtra: G2-08/G2-B10

**CONSTRUCTION:**

ALLISON: C4  
CATERPILLAR: TO-2  
KOMATSU  
VOLVO: VCE WB 101/102

**ZF SPECIFICATIONS:**

TE-ML 03E  
TE-ML 05F  
TE-ML 06K  
TE-ML 17E  
TE-ML 21F

**HYDRAULICS**

DENISON: HF-0, HF-1, HF-2  
SPERRY VICKERS: I-286-S, M-2950-S  
SUNDSTRAND HYDRAULICS  
PLESSEY-SUNDSTRAND

TEST DESCRIPTION	ASTM	TEST RESULT
Description	Visual	Clear/Amber
SAE Viscosity Grade		75W/85
Viscosity, cSt @ 40°C, mm <sup>2</sup> /s	D-445	72.63
Viscosity, cSt @ 100°C, mm <sup>2</sup> /s	D-445	9.92
Viscosity Index	D-2270	124
Density @ 15°C, kg/L	D-4052	0.875
Viscosity, Brookfield, cP @ -20°C	D-2196	6,395
Pour Point, °C	D-5950	-28
Flash Point (COC), °C	D-92	214
Copper Corrosion, 3h, 100°C	D-130	1a
<b>PRODUCT CODE</b>		<b>88831</b>