
DELTATRANS MULTISHIFT TTF SAE 75W/85

API GL-4

High Performance 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

DeltaTrans 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.

DeltaTrans 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.

DeltaTrans Multishift TTF GL-4 is formulated with premium 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.

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

Applications

DeltaTrans 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
- 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 ² /s	D-445	93.14
Viscosity, cSt @ 100°C, mm ² /s	D-445	12.41
Viscosity Index	D-2270	118
Density @ 15°C, kg/L	D-4052	0.875
Viscosity, Brookfield, cP @ -12°C	D-2196	3,198
Pour Point, °C	D-5950	-28
Flash Point (COC), °C	D-92	214
Copper Corrosion, 3h, 100°C	D-130	1a
PRODUCT CODE		90558