



Textran® TDH Premium is a premium multi-functional universal tractor transmission oil (UTTO) for use in transmissions, final drives and hydraulic systems of modern farm and industrial wheel and crawler tractors and off-road equipment where fluids meeting major UTTO specifications are recommended.

APPLICATIONS

- Where tractor manufacturers specify the use of a UTTO type product.
- Mixed fleets of agricultural tractors and associated off-road equipment.
- Tractor transmissions and hydraulic systems
- Enclosed oil immersed (wet) brakes.
- Power take off (PTO) clutches.

BENEFITS

- **Maximises transmission life**
Shear stable formulation maintains film thickness under severe transmission and hydraulic system operation, protecting vital components against scuffing and wear. Effective anti wear additive also reduces wear by forming a protective layer on metal surfaces under high load conditions.
- **Longer oil life**
Very high oxidation stability protects against the formation of gums and varnishes, reducing oil thickening and increasing oil life.
- **Saves on maintenance**
Highly refined base oils and effective oxidation inhibitors provide thermal and oxidation stability, providing resistance to the formation of lacquer, deposits and corrosive oil degradation by-products. Effective viscosity characteristics at low temperatures ensure rapid oil circulation on start-up, preventing wear which contributes to power loss.
- **Smooth and quiet operation**
Special friction modifier component allows smooth action of oil-immersed brakes and independent power take off clutches minimising chatter, stick slip and squawk and ensures brake efficiency.



PERFORMANCE STANDARDS

API	Service Category GL-4
John Deere	J20C (self-certified)
Hitachi	Approved for use in middle-sized wheel loader axles
Massey Ferguson	M1145 (approval planned)
Volvo	WB101 (Volvo Standard 1273.03) (approved)
ZF	TE-ML 03E, TE-ML 05F, TE-ML 06K, TE-ML 17E, TE-ML 21F (approved, reference 000820)

Suitable for use where the following are specified	
Case New Holland	MAT 3525
Ford	ESN-M2C134-D, ESEN-M2C86-B
Ford New Holland	FNHA 2-C-201
Massey Ferguson	CMS M1143, M1141, M1135, M1145

TYPICAL CHARACTERISTICS

Product Code	2069
Density at 15°C, kg/L	0.890
Flash Point, °C	230
Pour Point, °C	-39
Viscosity, Brookfield cP at -35°C cP at -18°C	56,000 3,500
Viscosity, at 40°C, mm ² /s at 100°C, mm ² /s	57.5 9.5
Viscosity Index	148
Zinc	0.13
Phosphorus	0.11

PACK SIZES

1000L, 205L, 20L, 4L



SERVICE CONSIDERATIONS

U Textran® TDH Premium is a multifunctional fluid of the universal tractor transmission oil (UTTO) type, also known as tractor hydraulic fluid (THF). It is intended for use in the transmission and hydraulic system compartments of agricultural tractors and related equipment, including those fitted with oil-immersed brakes.

The diversity of tractor transmission fluid specifications is such that there are some mutual exclusivities, and it is not possible for one fluid to completely meet all specifications. Also, some specifications are not publicly available. Thus in some cases, Textran® TDH Premium is offered on a suitable-for-use basis, supported by a comprehensive combination of bench and equipment testing.

Although Textran® TDH Premium does meet API GL-4, this is a secondary target and it is nevertheless not designed for nor intended for use in any on-highway drive axles of the hypoid type.

ENVIRONMENT, HEALTH AND SAFETY

Users should consult the MSDS, follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

OTHER INFORMATION

For further information on Caltex products and services call the Technical Solutions on 1300 364 169.

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