Textran® TDH Premium

High performance Universal Tractor Transmission Oil (UTTO)

Product Data Sheet

Product description

Textran TDH Premium is a high performance Universal Tractor Transmission Oil (UTTO) designed for use in the transmissions, final drives, hydraulic systems and wet brakes of tractors and other off-road equipment.

Textran TDH Premium is formulated with a mineral base stock and a high performance additive combination.

Customer benefits

- High performance anti-wear additives promote protection against equipment scuffing and wear
- Special friction modifiers assist smooth operation in wet brakes, power take off (PTO) clutches and help minimise chatter, stick-slip and squawk
- Good low temperature fluidity contributes fast lubricant circulation at cold start up, helping reduce friction and wear
- Robust shear stability aids the retention of consistent viscosity throughout the lifetime of the fluid
- High level rust inhibitor performance helps protect vulnerable components against damage and failure
- Durable oxidation stability promotes resistance to in-service oil thickening across fluid service life
- Reliable filtration performance promotes smooth, dependable hydraulic system operation
- Compatible with a wide range of elastomers, aiding protection against seal damage and fluid loss
- Promotes good foam suppression

Product highlights:

- Promotes smooth operation
- Assists scuffing and wear protection
- Helps minimise chatter, stick-slip and squawk
- Contributes to reduced friction and wear during cold starts
- Aids critical rust protection
- Selected specification standards include:
  - API
  - Allison Transmission
  - Caterpillar
  - Case New Holland
  - John Deere
  - Massey Ferguson
  - Volvo Construction Equipment
  - ZF

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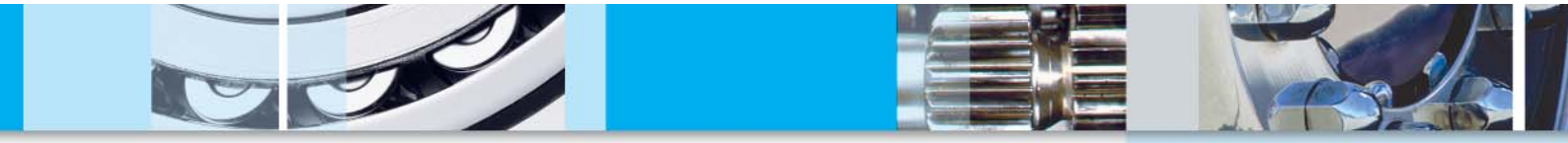

Applications

- Textran TDH Premium is a multi-functional fluid, suitable for use in transmissions, final drives, power take-off clutches, hydraulics and wet brake systems of farm and industrial wheel and crawler tractors, construction and other off-road equipment. The multi-purpose capability is particularly useful in equipment models employing a common fluid reservoir.
- Textran TDH Premium is designed to meet the demanding shear stability and wet brake performance incorporated into specifications from constructors such as Massey Ferguson (GIMA) and Volvo Construction Equipment.

In the past, Allison Transmission approved UTTO products for C4 applications. However in February 2001, all Allison C4 approvals for UTTO-type products were cancelled. Allison Transmission's current preferred fluid type for off-road transmissions is an engine oil, such as Ursa Super LA 15W-40.

Textran TDH Premium does not have engine lubrication capability. If a Super Tractor Oil Universal (STOU) fluid is required, use Super Universal Tractor Oil Extra 10W-30.

Some automotive axles require a special friction-modified limited slip fluid. Although Textran TDH Premium is friction modified, it does not have the EP performance needed in applications requiring a GL-5 limited slip fluid and so should not be used in those applications.

Approvals and performance

Performance		
• API	GL-4	Suitable for use [1]
• Allison Transmission	C3	Suitable for use
• Caterpillar	TO-2	Suitable for use
• Case New Holland	CNH MAT 3505 (J. I. Case MS 1206/1207/1209)	Suitable for use [2]
• Case New Holland	CNH MAT 3525 (Ford ESN-M2C134-A/B/C/D, ESEN-M2C86-B/C; Ford New Holland FNHA-2-C-201.00)	Suitable for use

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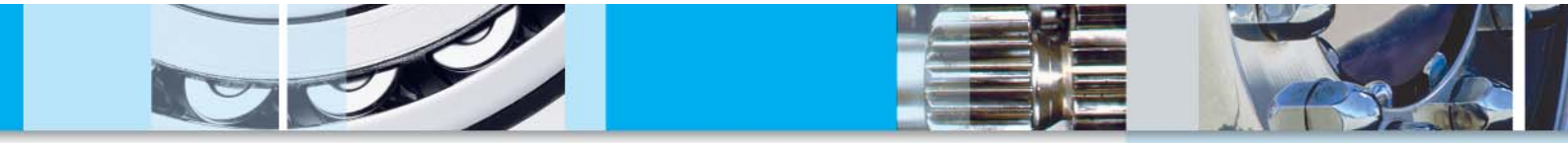

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• John Deere	JDM J20C	Suitable for use
• Massey Ferguson	CMS M1135	Suitable for use
• Massey Ferguson	CMS M1141	Suitable for use

[1] Under low speed-high torque conditions. Not recommended for on-highway applications
[2] MS 1209 defines a zinc-free lubricant. However, Textran TDH Premium has been shown to give satisfactory performance in this application

Approvals

• Massey Ferguson (GIMA)	CMS M1143	Approved [3]
• Massey Ferguson (GIMA)	CMS M1145	Approved [4]
• Volvo Construction Equipment	97303 (WB 101)	Approved
• ZF	TE-ML 03E	Approved
• ZF	TE-ML 05F	Approved
• ZF	TE-ML 06K	Approved
• ZF	TE-ML 17E	Approved

[3] Homologation number M1143-1/M/062
[4] Homologation number M1145-1/P/019

Typical test data

TEXTRAN TDH PREMIUM TEST	TEST METHODS	RESULTS
Product Code		33082
Density, 15 °C, kg/l	ASTM D4053	0.884
Flash Point COC, °C	ASTM D92	220
Pour Point, °C	ASTM D97	-42
Viscosity, Kinematic, 100 °C, mm^2/s	ASTM D445	9.4
Viscosity, Kinematic, 40 °C, mm^2/s	ASTM D445	59
Viscosity Index	ASTM D2270	142

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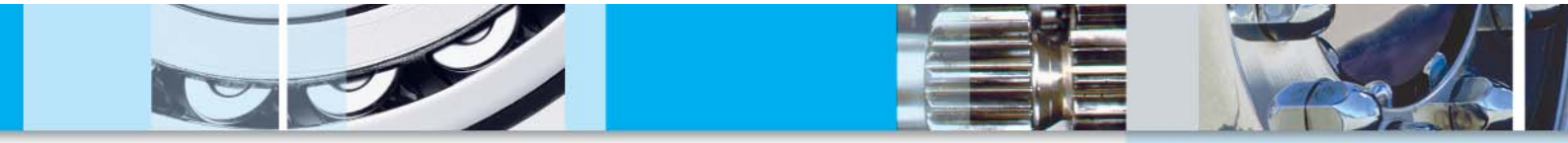

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The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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For more information, go to **www.chevronlubricants.com**

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