



# TDH OIL SPECIAL

## PRODUCT DESCRIPTION

TDH Oil Special is multifunctional fluid formulated with a unique additive package and Group II base oils, which offer higher thermal stability and oxidation resistance compared to group I base oils. It has been developed for the lubrication of transmissions, final drives, brakes wet and hydraulic systems of agricultural tractors.

## CUSTOMER BENEFITS

TDH Oil Special provides:

- **Higher thermal stability and oxidation resistance** - enabling superior drainage intervals when compared to similar products manufactured with Group I base oils.
- **Inventory optimization** - due to the wide range of different equipment application.
- **Smooth and silent operation** — special friction modifiers help delivering low noise and vibrations during brake activation and also clutch slip in transmission.
- **Oxidation resistance** - helps preventing oil thickening and keeping metal parts clean and free of varnish and sludge deposits harmful to equipment operation.
- **Great shear resistance** - its balanced formulation keeps the viscosity grade in service, maintaining a suitable lubricant film and providing additional equipment protection.
- **Elastomers compatibility** - helps protecting seals and preventing product leakage.
- **Performance at low temperatures** - good flow delivers fast lubrication of equipment critical parts that helps minimizing friction and wear. Easy start-up enables good response of the hydraulic system.



## APPLICATIONS

TDH Oil Special is recommended for use as a multifunctional fluid in many types of farm tractors and equipment and in non-hypoid GL-4 applications.

TDH Oil Special is suitable for use in applications which call for the following OEM lubricant specifications:

- **Main manufacturer's requirement**
  - **AGCO** 821 XL
  - **Case International** MS 1204, MS 1206, MS 1207, MS 1209, MS 1210, MAT 3505, MAT 3525, MAT 3526, MAT 3540
  - **Caterpillar** TO-2
  - **Ford** ESEN-M2C86-B, ESN-M2C134-D, FNHA-2-C-201, FNHA-2-C-200, ESN-M2C41, ESN-M2C43, ESN-M2C48, ESN-M2C53, ESN-M2C92
  - **Hitachi** midsize wheel loader axles
  - **John Deere** JDM J20C, J21A
  - **Kubota** UDT
  - **Massey Ferguson** M-1127A/M-1135/M-1141/M-1143/M-1145
  - **Vickers (Eaton)** 35VQ25, I-286-S, M-2950-S
  - **Volvo** VCE WB101 97303
  - **ZF** TE-ML 03E, TE-ML 05F, TE-ML 06K TE-ML17E, TE-ML 21F

Product(s) manufactured in Brazil.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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## TYPICAL TEST DATA

SAE Grade	ASTM Method	10W-30 & 75W-80
<i>Product Number</i>	-	221899
<i>MSDS Number</i>	-	17286
Color	-	Amber
Density at 20°C	D4052	0.884
Viscosity, Kinematic cSt at 40°C cSt at 100°C	D445 D445	59.0 9.5
Viscosity at low temperature (Brookfield) -20°C cP -35°C cP	D2983	3,700 42,650
Viscosity Index	D2270	144
Flash Point, COC, °C	D92	218
Pour Point, °C	D97	-45

Typical test data are average values only. Minor variations which do not affect product performance are to be expected in normal manufacturing.

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