

CITGO TRANSGARD® TRACTOR  
HYDRAULIC FLUIDS



Date 04/18

**DESCRIPTION:** CITGO TRANSGARD Tractor Hydraulic Fluids (including CITGO TRANSGARD Lo-Temp Tractor Hydraulic Fluid) are multifunctional tractor hydraulic/transmission fluids which perform the following functions:

- Lubricate the transmission, differential and final drive gears.
- Act as a power steering, power brake, power take-off and implement drive fluid.
- Provide a medium with the correct friction and heat transfer characteristics for proper operation of the tractor wet brakes and power take-off unit.

CITGO TRANSGARD Lo-Temp Tractor Hydraulic Fluid is specially designed to provide outstanding low temperature fluidity under the coldest conditions. It has the same performance benefits as CITGO TRANSGARD Tractor Hydraulic Fluid, but is intended for applications where a lower viscosity fluid is desired. It should not be used at ambient temperatures above 68°F.

**QUALITIES:** The following characteristics make CITGO TRANSGARD Tractor Hydraulic Fluids outstanding products for multi-functional application:

- Superior extreme pressure (EP) and antiwear performance protects tractor transmissions, axles and hydraulic pumps. The frictional characteristics are designed to minimize “chatter” while permitting the wet brakes to hold properly. This frictional balance also provides smooth engagement of the power take-off clutch.
- Special blend of base stocks helps maintain seals and gaskets.
- Balanced formulations provide excellent rust and corrosion protection as well as excellent oil oxidation stability for high-temperature service.

**APPLICATIONS: CITGO TRANSGARD Tractor Hydraulic Fluids**

***For use in equipment where the following fluids are recommended:***

AGCO Power Fluid 821XL	Ford New Holland ESN-M2C134-D
Allison C-4	FNHA 2C 201
API GL-4	John Deere J20C/J20D (Low-Temp Only)
CAT TO-2	Kubota UDT
Case MS 1205, 1206, 1207, 1209, 1210	Massey Ferguson M-1135, M-1141, M-1143, M-1145
Case New Holland: MAT 3525	Volvo WB101
Denison HF-0, HF-1, HF-2	White Q-1826
Eaton Vickers I-286-S, M-2950-S	ZF TE-ML-03E, -05, -06

***Suitable for use in:***

AGCO	Komatsu
Case IH	Kubota
David Brown	Mahindra
Ford	Massey Ferguson
John Deere	New Holland
KH Deutz	Volvo
	White and others

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Date 04/18 - (Continued)

## TYPICAL PROPERTIES:

### CITGO TRANSGARD® TRACTOR HYDRAULIC FLUIDS

	<b>TRACTOR HYDRAULIC FLUID</b>	<b>LOW-TEMP TRACTOR HYDRAULIC FLUID</b>
Material Code	633310001	633311001
Gravity, ASTM D4052, °API	31.0	32.3
Density, lb/gal	7.26	7.20
Flash Point, COC, ASTM D92, °F (°C)	450 (232)	406 (208)
Viscosity, ASTM D2983, cP at -4°F (-20°C)	4,500	1,500
at -29°F (-35°C)	18,100	
at -40°F (-40°C)	–	15,300
ASTM D445, cSt at 40°C	60.3	33.7
cSt at 100°C	9.8	7.15
Viscosity Index, ASTM D2270	148	183
Pour Point, ASTM D97, °F (°C)	-40 (-40)	-54 (-48)
Color, ASTM D1500	2.0	2.5
ASTM D892, Sequence I, II, III	Pass	Pass

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