



# CITGO® TRANSGARD® Tractor Hydraulic Fluids

## OVERVIEW



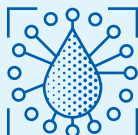
- Multifunctional tractor hydraulic/transmission fluids which lubricate the transmission, differential and final drive gears; act as a power steering, power brake, power take-off and implement drive fluid; and provide a medium with the correct friction and heat transfer characteristics for proper operation 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, with 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.

## FEATURES & BENEFITS



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

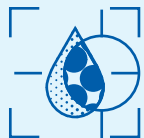
## APPLICATIONS



- CITGO TRANSGARD Tractor Hydraulic Fluid is formulated to meet JDM J20C and is recommended for use in applications that require:
 

John Deere JDM J20C Allison C-4 API GL-4 Caterpillar TO-2 (obsolete) AGCO Power Fluid 821XL ASTM D6973 (Eaton V35VQ) Volvo WB 101 Kubota UDT Eaton Vickers I-286, M-2950-S	Ford New Holland ESN-M2C134-D Ford New Holland FNHA 2C.201.00 Denison Hydraulic HF-0, HF-1, HF-2 New Holland WB NWH 410B Case New Holland MAT 3505, MAT 3525 Massey Ferguson CMS M1135, M1141, M1143, M1145 Case IH MS-1205, MS-1206, MS-1207, MS-1209, MS-1210 White Farm Equipment Q-1826 ZF TE-ML 03E, TE-ML 03F, TE-ML 05F, TE-ML 06K
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- TransGard Lo-Temp Tractor Hydraulic Fluid is formulated to meet JDM J20D. JDM J20D (Lo-Temp ONLY)
- Refer to equipment owner's manual for proper lubricant recommendation.

## PROPERTIES



## Typical Properties for CITGO TRANSGARD Tractor Hydraulic Fluids:

	TRACTOR HYDRAULIC FLUID	LO-TEMP TRACTOR HYDRAULIC FLUID
<b>Material Code</b>	<b>633310001</b>	<b>633311001</b>
Gravity, ASTM D4052, °API	30.5	32.3
Density, lb/gal	7.28	7.20
Flash Point, COC, ASTM D92, °F (°C)	450 (232)	432 (222)
Viscosity, ASTM D2983, cP		
at -4°F (-20°C)	4,499	1,500
at -29°F (-35°C)	32,400	—
at -40°F (-40°C)	—	15,300
ASTM D445		
cSt at 40°C	58.7	33.7
cSt at 100°C	9.5	7.15
Viscosity Index, ASTM D2270	145	183
Pour Point, ASTM D97, °F (°C)	-45 (-43)	-54 (-48)
Color, ASTM D1500	L1.5	L1.5
ASTM D892, Sequence I, II, III	Pass	Pass

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