



CITGO SynDurance[®] Synthetic All Seasons Heavy-Duty Transmission Fluid

OVERVIEW



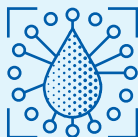
- A new generation of full synthetic, multi-grade transmission fluid designed for heavy duty construction equipment with powershift transmissions, hydraulic systems, final drives, and wet brakes that require Caterpillar TO-4 and Allison C-4 type fluids.

FEATURES & BENEFITS



- Multi-grade design helps reduce inventory through consolidation of viscosity grades, eliminating seasonal change-outs.
- Extends transmission life and improves overall efficiency in powershift transmissions, as compared to conventional TO-4 fluids.
- Fluid service life can also be extended when matched with CITGO LubeAlert[®] Oil Analysis.
- Improved cold-weather start-up performance and superior wear protection while operating at wide temperature ranges, due to multi-grade design.
- Unique product design extends clutch life and provides greater power transfer efficiency, resulting in greater productivity and reduced fuel consumption.

APPLICATIONS



- Recommended for lubrication of winch, clutch plates, gears, and bearings.
- Helps reduce brake chatter in wet brake application.
- Formulated to meet the performance requirements of:
 - Allison C-4
 - Caterpillar TO-4, CD/TO-2, TO-4M
 - Komatsu Micro-Clutch

PROPERTIES**Typical Properties for CITGO SynDurance Synthetic All Seasons Heavy-Duty Transmission Fluid:**

Material Code	622685001
Gravity, ASTM D4052, °API	32.4
Density, lbs./gallon	7.0
Flash Point, COC, ASTM D92, °F (°C)	453 (234)
Viscosity, ASTM D445,	
cSt at 40°C	107.0
cSt at 100°C	14.7
Viscosity Index, ASTM D2270	136
Brookfield Apparent Viscosity,	37,000
ASTM D2983, cP, at Temp, °C	-39
Pour Point, ASTM D97, °F (°C)	-38 (-39)
Color, ASTM D1500	L3.0

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