

CITGO SYNDURANCE® SYNTHETIC
ALL SEASONS HEAVY-DUTY
TRANSMISSION FLUID



Date 04/18

- DESCRIPTION:** CITGO SynDurance All Seasons Heavy-Duty Transmission Fluid is a new generation, full synthetic, multigrade, 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.
- QUALITIES:** The multigrade design reduces inventory by consolidating viscosity grades which eliminates seasonal change outs. The combination of full synthetic base oil and performance engineered additive technology 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 the CITGO LubeAlert® HD Oil Analysis Program. The multigrade design improves cold weather start up performance and provides superior wear protection while operating at wide temperature ranges. The unique product design extends clutch life and provides greater power transfer efficiency resulting in greater productivity and reduced fuel consumption. This fluid is recommended for lubrication of winch, clutch plates, gears and bearings. It also helps reduce brake chatter in wet brake applications.
- APPLICATIONS:** Formulated to meet the performance requirements of:
- Allison C-4
 - Caterpillar TO-4, CD/TO-2, TO-4M
 - Komatsu Micro-Clutch
- BENEFITS:** Reduces overall operating costs as a result of:
- Improved drive train productivity and reduced fuel consumption
 - Reduced inventory by consolidating viscosity grades with no seasonal change outs
 - Longer component life
 - Extended fluid change intervals up to two times that of conventional TO-4 fluids

TYPICAL PROPERTIES:

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, ASTM D2983, cP, at Temp, °C	37,000 -39
Pour Point, ASTM D97, °F (°C)	-38 (-39)
Color, ASTM D1500	L3.0

CITGO and SynDurance are registered trademarks of CITGO Petroleum Corporation. All other registered trademarks or trademarks are the property of their respective owners.