



TO-4 Transmission Oil

Dyna-Plex 21C® TO-4 Transmission Oil was designed to enhance Caterpillar transmission and final drive life. This product is designed with the latest additive technology for new Caterpillar machines and has been field tested to show an increase in transmission disc life up to 45%.

Dyna-Plex 21C TO-4 Transmission Oil is primarily intended for power shift transmissions, clutches and brakes, final drives, bevel gears and differentials, and other such drive train components. It is formulated with a thermally stable chemical package, which provides oxidation and anti-wear properties that increase the life of the bronze friction discs by demonstrating less slip. This increases the load carrying capacity of the clutches above that of a typical qualified engine oil.

<u>PROPERTY</u>	<u>ASTM TEST METHOD</u>	<u>SAE 10W</u>	<u>SAE 30</u>	<u>SAE 50</u>
Viscosity @ -35°C, cP	D-2602	50000	N/A	N/A
Viscosity @ 40°C, cSt	D-445	42.00	107.0	234.44
Viscosity @ 100°C, cSt	D-445	6.50	11.50	19.84
Viscosity Index	D-2270	105	100	98
Flash Point, COC, °C (°F)	D-92	210 (410)	229 (444)	249 (480)
Pour Point, °C (°F)	D-97	-36 (-33)	-21 (-5)	-12 (10)
Color	D-1500	2.0	3.0	4.0
Gravity, °API	D-287	31.5	28.4	26.3
Sulfated Ash, % wt.	D-874	1.6	1.6	1.6
Zinc, min.	D-1549	.090	.090	.090
Foaming: with 0.1% / without water	D-892			
Sequence I		20/0	20/0	20/0
Sequence II		50/0	50/0	50/0
Sequence III		20/0	20/0	20/0

Meets or exceeds the following specifications:
 Caterpillar TO-2, TO-4
 Allison C3, C4 (10W, 30)
 Komatsu Micro-Clutch

TO-3/06.20.17