



Performance Plus Oils and Lubricants

PERFORMANCE UNDER THE MOST EXTREME CONDITIONS.

TO-4 TRANSMISSION FLUIDS

PERFORMANCE PLUS™ TO-4 Transmission Fluids are premium quality transmission, final drive and hydraulic oils formulated to meet the specific frictional characteristics of Caterpillar and Allison Powershift Transmissions and they are designed to extend equipment life, minimize downtime, and provide optimal operation performance due to their advanced protection additives.

Performance Plus® TO-4 Transmission Fluids meets or exceeds following requirements: Caterpillar: TO-2, TO-4, Allison: C-3, C-4; US Military: MIL-PRF-2104G;

PERFORMANCE PLUS PROPERTIES			
SAE Viscosity Grade	10W	30W	50W
Kinematic Viscosity			
cSt @ 40°C	19.4	64.5	162.1
cSt @ 100°C	4.1	9.3	16.3
Viscosity Index	112	123	105
Low Temperature Viscosity			
cP @ -35°C	6,000	-	-
cP @ -25°C	-	130,000	-
cP @ -15°C	-	-	125,000
Brookfield Viscosity			
cP @ -35°C	20,000	-	-
cP @ -25 c	-	38,000	-
cP @ -15 c	-	-	35,000
TBN	7.8	7.8	7.8
Specific Gravity 15.6°C (60°F)	0.8591	0.8773	0.8894
Flash Point, °C (°F)	212 (414)	233 (451)	261 (502)
Pour Point, °C (°F)	-21 (-6)	-24 (-11)	-18 (0)
Color (ASTM)	2.5	3.0	4.0
Sulfated Ash, wt%	1.2	1.2	1.2

For additional questions, please contact your Performance Plus® Products Sales Representative.

Note: Values shown above are representative of current production and may vary within modest ranges. Rev. 10/18