



Performance Plus Oils and Lubricants

PERFORMANCE UNDER THE MOST EXTREME CONDITIONS.

PERFORMANCE PLUS SAE TO-4 FLUID

PERFORMANCE PLUS® TO-4 Fluids are premium quality transmission, final drive and hydraulic oils formulated to meet the specific frictional characteristics of Caterpillar and Allison Powershift Transmissions. Performance levels meets or exceeds following requirements: Caterpillar: TO-2, TO-4 Allison: C-3, C-4; US Military: MIL-PRF-2104G; and they are designed to extend equipment life, minimize downtime, and provide optimal operation performance due to their advanced protection additives.

PERFORMANCE PLUS PROPERTIES

TEST METHOD	ASTM			
SAE	--	10W	30	50
Specific Gravity 15°C (60°F)	D-1298	0.8591	0.8773	0.8894
Kinematic Viscosity cSt @ 100°C	D-445	4.10	9.30	16.30
Viscosity Index	D-2270	112	123	105
Low Temperature Viscosity @ -35°C	D-2983	6,000	--	--
@ -25°C		--	130,000	--
@ -15°C		--	--	125,000
Sulfated Ash %	D-874	1.2	1.2	1.2
Flash Point, COC °C (°F)	D-92	212°C (414°F)	233°C (451°F)	261°C (502°F)
Pour Point °C (°F)	D-97	-21°C (-6°F)	-24°C (-11°F)	-18°C (0°F)

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

Note: Values shown above are representative of current production and may vary within modest ranges. Rev. 5/18