



# Pioneer Premiere TO-4 Fluid SAE 50

## Applications

Pioneer Premiere TO-4 Fluid SAE 50 is recommended for use in Caterpillar® vehicle friction devices, clutches and wet brakes, power shift transmissions, and in other vehicle drive train components such as differentials, final drives and beveled gears where TO-4 and TO-2 fluids are recommended.

## Features

Pioneer Premiere TO-4 Fluid SAE 50 optimizes static and dynamic friction in both metallic and non-metallic materials used in power-shift transmission, clutches, vehicle steering clutches and oil-cooled disc brakes.

Meets or exceeds the following qualifications:

Allison C-4  
Caterpillar® TO-4  
DANA Powershift Transmissions  
FZG Gearwear  
Vickers  
ZF TE-ML 03C

## Typical Specifications

Specific Gravity @ 60°F	0.8929
Flash Point °C (°F)	218 (425)
Viscosity @ 40°C cSt	212.6
Viscosity @ 100°C cSt	19.45
Viscosity Index	104
Color	5
Gravity, °API	26.97

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