

#LU250 – SAE 10
#LU251 – SAE 30
#LU252 – SAE 50
#LU253 – SAE 60



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TO4 Transmission Fluid

Tech Bulletin

Application

TO4 Transmission Fluid is formulated for use in Caterpillar equipment specifying TO-4 fluids. In addition, it exceeds the performance requirements of Allison C-4 specifications.

TO4 Transmission Fluid is a recommended fluid for heavy-duty on-highway and off-highway service requiring Allison C-4 or Caterpillar TO-4. It provides excellent service in all Caterpillar powershift transmissions, final drives, hydrostatic transmissions, torque converters, hydraulics and systems requiring TO-4 specified oils. It also meets the requirements of Komatsu Dresser and Eaton Transmissions.

Performance Features

- Excellent protection against rust and corrosion
- Excellent thermal stability
- Excellent gear protection
- Outstanding frictional characteristics
- Helps extend component life
- Compatible with crankcase oils

Properties

SAE Grade	<u>LU250-</u> <u>SAE 10</u>	<u>LU251-</u> <u>SAE 30</u>	<u>LU252-</u> <u>SAE 50</u>	<u>LU253-</u> <u>SAE 60</u>
Viscosity:				
cSt @ 40°C	35	101	220	314.2
cSt @ 100°C	6.1	11.5	20.0	23.7
API Gravity	29.5	27.4	25.5	24.8
Viscosity Index	102	101	95	95
Brookfield Viscosity at Temp	120,700 at -35°C	66,600 at -25°C	72,833 at -25°C	62,500 at -20°C
MRV TP-1	6700 @ -25°C	NR	NR	NR
HT/HS @ 150°C	NR	3.5	5.0	5.3
NR: Not required				

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