

## Tech Bulletin

### Application

**ALTRA TO-4 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.

**ALTRA TO-4 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>10</u>	<u>30</u>	<u>50</u>
Viscosity:			
cSt @ 40°C	35	101	220
cSt @ 100°C	6.1	11.5	20.0
API Gravity	29.5	27.4	25.5
Viscosity Index	102	101	95
Brookfield Viscosity	120,700 (-35°C)	66,600(-25°C)	72,833 (-25°C)
MRV TP-1	6700 @ -25°C	NR	NR
HT/HS @ 150°C	NR	3.5	5.0

NR: Not required