



## MileGuard™ TO-4 Drivetrain Oil

**MileGuard TO-4 Drivetrain Oils** are formulated to meet the stringent performance requirements of the Caterpillar TO-4 specification. These fluids are recommended for equipment where specified TO-4 qualified oils are required in order to maintain the Caterpillar equipment warranty. **MileGuard TO-4 Drivetrain Oils** are blended to provide superior gear wear protection and excellent thermal stability while maintaining a delicate balance of static and dynamic frictional characteristics with a variety of materials to give smooth transmission power transfer under high horsepower conditions. The balanced additive package provides substantially improved load carrying capacities and durability and reduces brake chatter. **MileGuard TO-4 Drivetrain Oils** provides excellent service in all Caterpillar powershift transmissions, final drives, hydrostatic transmissions, torque converters, hydraulics or any system which specify TO-4 qualified oils.

### Benefits

- Extends component life
  - Excellent gear protection
  - Oxidation and thermal stability for long life
  - Excellent rust and corrosion protection
- Improved friction and anti-wear performance compared to TO-2 fluids

### Meets or Exceeds

- Caterpillar TO-4
- Allison C-4 ((10W & 30W)
- Komatsu Dresser
- Komatsu Micro-Clutch
- ZF TE-ML 03C (10W & 30W)
- Eaton Vickers EH-102C
- Temec/TCC
- Dana Powershift
- API GL-3



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### Typical Characteristics:

SAE VISCOSITY GRADE	10	30	50
Gravity, API	29.6	27.6	25.5
Viscosity			
@ 40 °C, cSt	41	101	248.5
@ 100 °C, cSt	6.34	11.5	20
@ 100 °F, SUS	191.3	468	1151
@ 210 °F, SUS	47	64.6	98.5
Viscosity Index	102	101	93
Flash Point °F	435	460	500
Copper Strip Corrosion	Pass	Pass	Pass
Foam Test	Pass	Pass	Pass



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