



**TRANSOIL**  
SAE TO-4 Fluid

Recommended for CAT® TO-2, CAT® TO-4  
Allison® C-3, Allison® C-4 OEM Requirements



REV: 09.11.2018



**DESCRIPTION**

Xtreme™ Transoil™ SAE 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. These fluids are similar to Universal Transmission Hydraulic Fluids used in farm tractors and construction machinery but have higher frictional characteristics designed specifically for Caterpillar and Allison applications.

**BENEFITS**

- ❑ High Viscosity Index (VI) base oils improve oxidation resistance
- ❑ Excellent thermal stability improves high temperature operation
- ❑ Extreme pressure additives prevent gear scuffing and scoring
- ❑ Prevents formation of rust and sludge throughout the system
- ❑ Prevents corrosion of copper and brass
- ❑ Excellent hydrolytic stability
- ❑ Excellent resistance to foaming
- ❑ Specific frictional control per OEM specifications

**APPLICATION**

- Caterpillar TO-2 & TO-4 applications in logging and construction equipment
- Allison Powershift Transmissions where C-3 or C-4 Fluids are recommended.
- Not recommended for low chatter clutch and brakes typical in farm tractors

**PERFORMANCE LEVELS**

- Caterpillar TO-4, TO-2
- Allison C-4, C-3

TYPICAL PROPERTIES	METHOD	SAE 10	SAE 30	SAE 50
Color	D-1500	2.5	3.0	4.0
Specific Gravity at 15.6°C	D-1298	0.8591	0.8773	0.8894
Viscosity, cSt at 100°C	D-0445	5.3	10.1	19.2
Viscosity Index	D-0445	115	97	97
Low Temperature Viscosity	D-2983			
@-35		20,000	-	-
@-25		-	38,000	-
@-15		-	-	35,000
Flash Point, COC °C (°F)	D-0092	212 (414)	233 (451)	261 (502)
TBN	D-2896	7.8	7.8	7.8
ML Reference No.		573853	575971	574119



**NOTE:**

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional qualifications, please contact Martin Technical Service Department.

**Health And Safety Information** See separate Safety Data Sheets available on request.

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