

AMALIE

Better than it has to be[®]
Since 1903



AMA-TRAN POWERSHIFT

SAE
50

TO-4 FLUID

BENEFITS:

Provides improved friction and anti-wear performance compared to TO-2 fluids

- » Enhanced Oxidation Stability Increasing Fluid Life
- » Improved Sludge Control
- » Passes Eaton Vickers 35VQ-25 Vane Test
- » Excellent Protection for Metal Components from Rust and Corrosion
- » Enhanced Foam Suppression Characteristics



MADE IN U.S.A.



AMA-TRAN POWERSHIFT TO-4 FLUID

AMALIE Ama-Tran Powershift TO-4 SAE 50 exceeds Caterpillar's newest heavy duty TO-4 requirements, providing greater extended durability over the previous TO-2 fluid. In the marketplace, this fluid is referred to as a "TDTO" fluid. The **AMALIE Ama-Tran Powershift TO-4 SAE 50** may also be used as a diesel crankcase oil meeting the API CF and CF-2 performance classifications and wherever Allison C-4 fluid is recommended. **AMALIE Ama-Tran Powershift TO-4 Fluids** are offered in three SAE grades: 10W, 30 and 50.

AMALIE Ama-Tran Powershift TO-4 SAE 50 may be used in applications such as differentials, final drives, hydraulic systems, hydrostatic and powershift transmissions, torque converters, and wet brake systems requiring the use of Caterpillar TO-4 or Allison C4 fluids. They provide excellent anti-wear protection and shear stability while protecting clutch materials from slipping and glazing.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

SAE Grade.....	50
API Gravity.....	26.5
Viscosity @100, cSt.....	18.35
Viscosity @40, cSt.....	200.0
Viscosity Index.....	100
Brookfield Viscosity, @(-15°C).....	<150,000
Flash Point, °C.....	240
Pour Point, °C.....	-18

Typical values are listed. Variations not affecting the performance of this fluid may occur during production; however, these variations will not fall outside of set specification parameters.

Please consult AMALIE Technical Services or your local representative for a full listing of applications.

Technical Services: • (800) 368-1264 • techservices@amalie.com

AMA-TRAN POWERSHIFT TO-4

VISCOSITY	PACK SIZE	PART #
50	5 Gallon Pail	160-63654-25
	55 Gallon Drum	160-63653-05

PERFORMANCE APPLICATION CHART

SPECIFICATION	AMA-TRAN POWERSHIFT SAE 50
Allison C-4	√
Caterpillar TO-4, TO-2	√
Dana Powershift	√
Denison HF-0/1/2	√
Eaton-Fuller	√*
Komatsu Dresser	√
Komatsu KES 07.868.1	√
Tremec/TTC	√
Voith G607	√
ZF TE-ML 03C & 07F	√

*Where TO-2 fluids are recommended.

The data presented herein are believed to be accurate; however, Amalie Oil Company shall not be liable for its content and makes no warranty with respect thereto.

Health and Safety

Safety Data Sheets (SDS) are available from your sales representative or at AMALIE.com.