

# DRYDENE TRANSALL™ TDTO-4 FLUID

TRANSMISSION/DRIVE TRAIN OIL



## PRODUCT DESCRIPTION

**DRYDENE TRANSALL™ TDTO-4 Transmission/Drive Train Fluids** are highly specialized lubricants designed for use in mobile off-highway and stationary equipment that requires either Caterpillar® TO-4 or Allison® C-4 specifications. These fluids provide excellent wear protection and extended performance over a broad range of temperatures.

## PRODUCT APPLICATION

**DRYDENE TRANSALL™ TDTO-4 Transmission/Drive Train Fluids** are recommended for:

- Heavy-Duty equipment requiring Caterpillar® TO-4 specifications
- Manual transmissions where Allison® C-4 or API GL-3 fluids are required
- Powershift transmissions
- Hydrostatic transmissions
- Wet brake systems
- Torque converters
- Differentials
- Final drives and other related hydraulic systems.

## FEATURES AND BENEFITS

**DRYDENE TRANSALL™ TDTO-4 Transmission/Drive Train Fluids** are engineered with premium base stocks and modern performance additives for:

- Long term, trouble free service
- High torque applications
- Resistance to stress under heavy loading
- Excellent wear protection
- Minimizing clutch slippage for maximum power transfer
- Extending the life of clutch materials
- Eliminate chatter in wet brake systems
- Protect components against wear
- Prevent friction surface glazing
- Resist high heat oxidation

**DRYDENE TRANSALL™ TDTO-4 Transmission/Drive Train Fluids** are built to resist oxidation and help prevent the formation of corrosive deposits. They are stable in a wide range of temperature applications and maintain their efficiencies even in critical temperature conditions.



## SPECIFICATIONS

- Allison®- C-4 (off-road)
- Caterpillar®- TO-4
- Dresser
- Komatsu Equipment
- Vickers- M2950-S
- DANA- Powershift (where TO-4 is referenced)
- EATON Fuller (where TO-4 is referenced (SAE 30, 50)
- ZF- TEMPL03C



Other applicable uses may exist. Please contact DRYDENE Performance Products for more information.

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## TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	SAE 10W	SAE 30	SAE 50
Viscosity @ 40° C (cSt)	ASTM D445	38.2	103	216
Viscosity @ 100° C (cSt)	ASTM D445	6.1	11.7	19.2
Viscosity Index	ASTM D2270	105	103	101
Flash Point °C	ASTM D92	200	205	210
Pour Point °C	ASTM D5950	-33	-28	-26
Zinc, wt %	ASTM D4927	0.125	0.125	0.125
TBN	ASTM D2896	7.1	7.1	7.1
Gravity; API	ASTM D4052	29.2	26.0	25.0
Specific Gravity @ °60 F	ASTM D4052	0.859	0.877	0.888
Foam Seq I/II/III	ASTM D892	PASS	PASS	PASS

All stated physical properties are typical of standard production and may vary.

### DON'T GO THE EXTRA MILE, GO THE EXTRA THOUSAND

Over the past 100 years, we've crushed rocks, built highways, toiled in fields and hauled more cargo than you can imagine. We have no plans of stopping anytime soon, and neither do you.

DRYDENE stands for integrity, quality and loyalty. Our company has over a century of heritage to back it up. We deliver high-quality lubricants that exceed expectations and set higher industry standards overall, because your lubricants should stand the test of time.

All DRYDENE heavy-duty and passenger car engine oils, hydraulic fluids, transmission and gear oils, greases as well as our extensive lineup of industrial and specialty fluids are formulated to be as rigorous as the work that needs to be done.

DRYDENE Performance Products  
Toll-free: 1-877-DRYDENE  
info@drydenelubricants.com  
www.drydenelubricants.com

### HEALTH AND SAFETY

This product is not expected to have any adverse health implications when used for its intended purposes. Always wear protective gloves when handling used oil and dispose of properly. Avoid contact with skin and wash immediately with soap and water should any contact occur.

For a copy of this product's Safety Data Sheet (SDS), contact DRYDENE Performance Products at 1-877-DRYDENE.

### DISCLAIMER

Always follow OEM recommendations for fluid viscosity and API service category. DRYDENE Performance Products assumes no responsibility for product misuse or improper application.

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