



TRANSflo TO-4

High-Performance Transmission Drivetrain Fluids

Features & benefits

- Three grades to match any condition
- Maximizes the life of Caterpillar train components
- Additive package has 5 years of continuous proven field performance
- Suitable for wet brakes
- Suitable for hydraulic use



Specifications

- Suitable for use

Specification	TRANSflo TO-4 10W, 30 & 50
Allison C-2, C-4 (Obsolete)	■
API GL-4	■
Caterpillar® TO-2 (Obsolete)	■
Caterpillar® TO-4	■
Dana ¹	■
Eaton-Fuller ¹	■
Euclid ¹	■
Komatsu KES 07.868.1	■
Tremec/TTC ¹	■
Parker (Denison UTTO) HF-1, HF-2	■
Sperry Vickers/Eaton: I-286-S, M2950S (Obsolete)	■
Wet brake applications	■

¹ Where TO-4 is called for

Typical results

Test Method	TRANSflo TO-4		
	10W	30	50
SAE GRADE	10W	30	50
VISCOSITY (D445)			
cSt @ 40°C	44.3	99.9	204.0
cSt @ 100°C	6.68	11.2	18.0
VISCOSITY INDEX (D2270)	103	97	96
DENSITY @ 15°C (D4052), kg/L	0.88	0.89	0.90
POUR POINT (D5949), °C	-36	-30	-27
FLASH POINT (D93), °C	212	222	221
BROOKFIELD (D2983)			
cP @ -15°C	-	-	43,300
cP @ -25°C	-	46,750	-
cP @ -35°C	38,750	-	-
PUMPABILITY (D4684), cP	9,400 @ -25°C	9,200 @ -15°C	-
HTHS @ 150°C (D4683), cP	2.30	3.52	5.08
ZINC (D4951), %wt.	0.110	0.110	0.110
PHOSPHORUS (D4951), %wt.	0.093	0.093	0.093
CALCIUM (D4951), %wt.	0.255	0.255	0.255

TRANSflo TO-4 oils are premium transmission drivetrain oils (TDTO) specially formulated to meet the requirements of Caterpillar's latest performance specification, TO-4. Caterpillar recommends TO-4 type fluids in all new and rebuilt drivetrain components. TRANSflo TO-4 can be used wherever Caterpillar recommends its brand TDTO "or equivalent."

TRANSflo TO-4 oils utilize the latest technology, providing superior wear protection and industry-leading friction performance for precise, smooth, and confident operation.

TRANSflo TO-4 oils offer outstanding yellow metal protection, improved copper corrosion performance, and superior bronze friction plate anti-wear performance to help maintain optimum performance and extend component life.

For an all-season transmission drive train oil required to operate in a wide temperature range, calling for Caterpillar® TO-4M, use TRANSflo TO-4 10W-40. This product can replace TO-4 10W and 30 in Caterpillar transmissions, wet brakes, and hydraulic compartments, reducing lubricant inventory and oil changes.

TRANSflo TO-4 oils are not designed for use in engine applications. Do **NOT** use this fluid in the engine.

Please see the following page for sizes and order codes.



Always consult your owner's manual for verification of fluid type and grade!

Supporting data available to demonstrate acceptable performance. Check with Sales Associate for the latest product approvals.

Please note these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to January 7, 2025.

www.irvingoil.com/lubricants 1.800.574.5823

TRANSflo TO-4

High-Performance Transmission Driveline Fluids



Sizes & order codes

Size	TRANSflo TO-4		
	10W	30	50
18.9 L (5 US gal)	F0086240	F0089940	F0078640
60 L (15.85 US gal)	-	-	F0020745
205 L (54.2 US gal)	F0020550	F0065650	-
1000 L (264 US gal)	F0020560	F0020660	F0020760
1000 L (264 US gal) Metal Tote	-	F0109560	-
1000 L (264 US gal) Bulk Tote	F0109001	F0108401	F0111501



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This data sheet replaces previous versions prior to November 5, 2024.

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