

TRANSflo TO-4

High Performance Transmission Fluid



Features & Benefits

- Three grades to match any conditions
- Maximizes the life of Caterpillar drive train components
- Proven 5 years of continuous field performance
- Suitable for wet brakes
- Suitable for hydraulic use

TRANSflo TO-4 is a premium transmission fluid specially formulated to meet the exacting requirements of Caterpillar's latest performance specification, TO-4. Caterpillar recommends TO-4 type fluids in all new and rebuilt drive-train components. **TRANSflo TO-4** can be used wherever Caterpillar recommends its own brand TDTO "or equivalent."

NOTE: Unlike the previous TO-2 specification, which allowed engine oils to be used in Caterpillar drive train components, TO-4 oils are designed for use in the drive train ONLY and must NOT be used in the engine.

TRANSflo TO-4 is also suitable for use where Caterpillar TO-2 (obsolete), Eaton-Fuller*, Dana*, Euclid, Vickers M-2950-S or Tremac/TTC* is requested. In addition, field trial studies have been conducted in a variety of equipment with fluids formulated with **TRANSflo TO-4** additive package. * where TO-4 is called for, Komatsu KES 07.868.1, Caterpillar TO-4M, Sperry Vickers/Eaton:1-280-S, Allison C-4, API GL-4

Typical Results

Applications/Claims	10W, 30, & 50
API GL-4	SFU
Allison C4	SFU
Caterpillar TO-4 (TO-4M)	SFU
Caterpillar TO-2 (obsolete)	SFU
Komatsu KES 07.868.1	SFU
Sperry Vickers/Eaton I-280-S	SFU
Vickers M2950S	SFU
Eaton-Fuller ¹	SFU
Dana ¹	SFU
Euclid ¹	SFU
Tremac/TTC ¹	SFU
Paker (Denison UTTO) HF-1 to HF-2	SFU
Wet brake applications	SFU

¹ Where TO-4 is called for Suitable for Use (SFU) - Supporting data from field trial studies to demonstrate acceptable performance

SAE GRADE	10W	30	50
VISCOSITY (D445)			
cSt @ 40 °C	39	99.2	196.4
cSt @ 100 °C	6.1	11.2	17.6
VISCOSITY INDEX (D2270)	101	97	97
BROOKFIELD VISCOSITY (D2983) (°C)			
cP @ -35 °C	134,000	68,000	-
cP @ -25 °C	0	-	-
POUR POINT (°C) (D97)	-42	-27	-9
FLASH POINT (°C) (D92)	226	266	282
DENSITY (D4052) (kg/l)	0.884	0.893	0.900

Sizes & Order Codes

TO-4 10W	TO-4 30	TO-4 50
18.9 L Pail/ 5 US gal F0086240	18.9 L Pail/ 5 US gal F0089940	18.9 L Pail/ 5 US gal F0078640
205 L Drum/ 54.2 US gal F0020550	205 L Drum/ 54.2 US gal F0065650	205L Drum/ 54.2 US gal N/A
1000 L Cube/ 264 US gal F0020560	1000 L Cube/ 264 US gal F0020660	1000 L Cube/ 264 US gal F0020760
Bulk B0020501	Bulk N/A	Bulk B0020701



Blending & Packaging
www.irvingblend.com
1.800.574.5823

Supporting data available to demonstrate appropriate performance. Check with your Sales Representative for latest product approvals. Please note, these are typical performance indicators and can change without notice. This data sheet supersedes any previous version prior to 6/19/2018