



TRANSto TO-4, 10W-40

Synthetic Blend Transmission Fluid



Features & Benefits

- Synthetic blend formulation
- Anti-scuffing performance passing LS 12
- Maximizes the life of Caterpillar train components
- Additive package has 5 years of continuous proven field performance
- Suitable for wet brakes and use in hydraulics systems

Typical Results

SAE GRADE	10W-40
VISCOSITY (D445) cSt @ 40 °C cSt @ 100 °C	95.6 14.5
VISCOSITY INDEX (D2270)	157
BROOKFIELD VISCOSITY (D2983) cP @ -30 °C	21,900
MRV (D4684) cP @ -30°C	19,300
FOAM (D892) (mL/mL) SEQUENCE I SEQUENCE II SEQUENCE III	0/0 10/0 0/0
POUR POINT (D97) (°C)	-36
FLASH POINT (D93) (°C)	223
DENSITY (D4052) (kg/L)	0.86

Specifications

Applications/Claims	10W-40
Allison C-2	SFU
Allison C-4	SFU
Allison TES 439	SFU
API GL-4	SFU
Caterpillar TO-2 (obsolete)	SFU
Caterpillar TO-4, TO-4M	SFU
Dana ¹	SFU
Eaton-Fuller ¹	SFU
Euclid ¹	SFU
Komatsu KES 07.868.1	SFU
Tremac/TTC ¹	SFU
Parker (Denison UTTO) HF-1 to HF-2	SFU
Sperry Vickers/Eaton: I-286-S	SFU
Sperry Vickers/Eaton: M2950S	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

TRANSto TO-4 10W-40 is a premium synthetic blend transmission fluid specially formulated to meet the demanding requirements of Caterpillar's latest performance specification: TO-4 & TO-4M. Caterpillar recommends TO-4 type fluids in all new and rebuilt drive-train components. **TRANSto TO-4 10W-40** can be used wherever Caterpillar recommends its own brand TDTO "or equivalent."

TRANSto TO-4 10W-40 utilizes the latest technology that provides superior wear protection and industry-leading friction performance for precise, smooth, and confident operation. **TRANSto TO-4 10W-40** offers 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.

TRANSto TO-4 10W-40 is also suitable for use where Caterpillar TO-2 (obsolete), Eaton-Fuller, Dana, Euclid, Vickers M-2950-S, or Tremac/TTC are requested. Field trial studies have been conducted in a variety of equipment with fluids formulated with **TRANSto TO-4 10W-40** additive package, where TO-4 is called for.

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.

Sizes & Order Codes

Size	Order Codes
18.9 L Pail/ 5 US gal	F0128840
205 L Drum/ 54.2 US gal	F0128850
1000 L Cube/ 264 US gal	F0128860
Bulk	B0127901

www.irvingoil.com/lubricants
1.800.574.5823

Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals.

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

This data sheet replaces previous versions prior to 04-10-19.

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