

**MTO-4 SAE 50**

**Transmission Oil**  
**Specification CATERPILLAR TO-4**  
**2 viscosities: SAE 30 and SAE 50**

**TYPE OF USE**

Specially designed to meet CATERPILLAR TO-4 specification.

All types of trucks, bulldozers, civil engineering and farming machines, generators, buses...

Mechanical transmissions, torque converters and Powershift transmissions when CATERPILLAR TO-4 specification is recommended.

MOTUL MTO-4 50 is particularly recommended for final drive and differential.

For equipment where CATERPILLAR GO specification is recommended, use MOTUL GEARBOX 80W-90 or MOTUL HD 80W-90.

Hydraulic systems: MOTUL MTO-4 30 can be used for CATERPILLAR HYDO specification.

Compatible with wet brakes.

**PERFORMANCES****STANDARDS**

API GL-4 TRANSMISSION

TDTO – Transmission Drive Train Oil TRANSMISSION / UTTO – Universal Tractor Transmission Oil TRANSMISSION

**PERFORMANCES**

CATERPILLAR TO-2 TRANSMISSION, CATERPILLAR TO-4 TRANSMISSION, CATERPILLAR TO-4M TRANSMISSION, KOMATSU KES 07.868.1 TRANSMISSION, SPERRY NEW HOLLAND I-280-S HYDRAULIC, SPERRY NEW HOLLAND M2950S HYDRAULIC, VICKERS I-280-S HYDRAULIC, VICKERS M2950S HYDRAULIC, Eaton M2950S HYDRAULIC, Eaton I-280-S HYDRAULIC

Very high lubricating power which decreases wear and increases transmission durability.

High detergency and dispersive properties.

Anti-oxidation, Anti-corrosion, Anti-rust, Anti-foam.

Oil change: According to manufacturers' requirements and oil test results.



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### RECOMMENDATIONS

MOTUL MTO-4 50 corresponds to SAE 90 viscosity grade.

### PROPERTIES

Viscosity grade	SAE J 300	50
Density at 20°C (68°F)	ASTM D1298	0.898
Viscosity at 40°C (104°F)	ASTM D445	215.0 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)	ASTM D445	18.6 mm <sup>2</sup> /s
Viscosity Index	ASTM D2270	96.0
Pour point	ASTM D97	-15.0 °C / 5.0 °F
Flash point	ASTM D92	258.0 °C / 496.4 °F
TBN	ASTM D2896	7.7 mg KOH/g

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty. Made in FRANCE

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