

MTO-4 SAE 30

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

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.

RECOMMENDATIONS

MOTUL MTO-4 30 corresponds to SAE 85W viscosity grade.

MOTUL MTO-4 30 corresponds to ISO HM 100 viscosity grade.

PROPERTIES

Viscosity grade	SAE J 300	30
Density at 20°C (68°F)	ASTM D1298	0.892
Viscosity at 40°C (104°F)	ASTM D445	105.0 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	11.4 mm ² /s

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

MOTUL - 119 Bd Félix Faure - 93303 - AUBERVILLIERS CEDEX - BP 94 - Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - www.motul.com



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Viscosity Index	ASTM D2270	94.0
Pour point	ASTM D97	-27.0 °C / -16.6 °F
Flash point	ASTM D92	252.0 °C / 485.6 °F
TBN	ASTM D2896	7.8 mg KOH/g

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STANDARDS	
	TDTO – Transmission Drive Train Oil TRANSMISSION, UTTO – Universal Tractor Transmission Oil TRANSMIS- SION
API	CD ENGINE, GL-4 TRANSMISSION
ISO	HM 100 HYDRAULIC
OE PERFORMANCES	
CATERPILLAR	HYDO HYDRAULIQUE, TO-2 TRANSMISSION, TO-4 TRANSMISSION, TO-4M TRANSMISSION
EATON	I-280-S HYDRAULIC, M2950S HYDRAULIC
KOMATSU	KES 07.868.1 TRANSMISSION
SPERRY NEW HOLLAND	I-280-S HYDRAULIC, M2950S HYDRAULIC
PRODUCTS	
Eaton	I-280-S HYDRAULIC, M2950S HYDRAULIC
VICKERS	I-280-S HYDRAULIC, M2950S HYDRAULIC

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