



MTO4

Transmission Oil

Spécification CATERPILLAR TO-4

2 viscosities: SAE 30 and SAE 50

TYPE OF USE

Specially designed to meet the CATERPILLAR TO-4 specification
All types of Trucks, Bulldozers, Civil engineering and Farming machines, Generators, Buses
Mechanical transmissions and powershift when Caterpillar TO-4 is recommended.
MOTUL MTO4 50 is particularly recommended for final drive and differential.
For Caterpillar machines when Cat GO is recommended, use MOTUL GEARBOX or HD.
Hydraulic systems: MOTUL MTO4 30 can be used for Cat HYDO specification.

PERFORMANCES

TRANSMISSIONS	MTO4 30 corresponds to SAE 85W viscosity grade. MTO4 50 corresponds to SAE 90 viscosity grade. Meets the requirements of API GL1 / GL2 / GL3. GM ALLISON C-4 / CATERPILLAR TO-4 and TDTO.
HYDRAULICS	MTO4 30 corresponds to ISO HM 100 viscosity grade. MOTUL MOT4 30: CATERPILLAR HYDO.
ENGINE	MOTUL MTO4 30: SAE 30, API CD and Caterpillar DEO.

Very high lubricating power which decreases wear and increases life of engine and transmission.
High detergency and dispersive properties.
Anti-oxidation, Anti-corrosion, Anti-rust, Anti-foam.
Oil change: According to manufacturers' requirements and oil test results.

PROPERTIES

Viscosity grade	SAE J 300	30	50
Density at 15°C (59° F)	ASTM D1298	0.889	0.900
Viscosity at 40°C (104°F)	ASTM D445	96 mm ² /s	115 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	12 mm ² /s	19 mm ² /s
Viscosity Index	ASTM D2270	114	115
Flash Point	ASTM D92	210°C / 410°F	242°C / 468°F
Pour Point	ASTM D97	-21°C / -6°F	-21°C / -6°F
TBN	ASTM D 2896	10.7 mg KOH/g	10.7 mg KOH/g