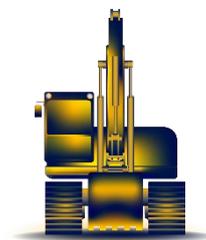


TECHNICAL PRODUCT SHEET

ERGON CTP TO-4

10W, 30, 50



DESCRIPTION

ERGON CTP TO-4 series comprises high-performance transmission fluids engineered for use in power-shift transmissions, differentials, final drives, hydraulic systems, direct-drive transmissions, wet-disc brakes, and Caterpillar equipment requiring TO-4 performance levels. These fluids are formulated to deliver excellent oxidation stability, reliable elastomer compatibility, and effective wear control, ensuring consistent protection and dependable operation across demanding off-highway and heavy-duty applications.

APPLICATIONS

ERGON CTP TO-4 lubricants are suitable for power-shift transmissions, final drives, clutches, and hydraulic systems in both new and older construction and off-highway equipment, including CASE, Komatsu, and similar heavy-duty machinery. They are also appropriate for manual and automatic transmissions requiring an Allison C-4 performance level fluid. Recommended as an upgrade replacement for CAT TO-2 oils, they deliver improved performance and protection. Additionally, ERGON CTP TO-4 fluids meet the API CF requirements, ensuring that accidental use in engine compartments will not cause operational issues.

SPECIFICATIONS

API	CF	KOMATSU	KES 07.868.1
API	CF-2	ALLISON	C-4
CATERPILLAR	TO-4	ZF	TE-MIL 03C

PROPERTIES

ERGON CTP TO-4 fluids provide optimized clutch friction retention and significantly improved friction and anti-wear performance compared to TO-2 formulations. Their low pour point ensures dependable operation in cold environments, while their robust additive system offers superior wear protection for gears in final drives, gearboxes, and drivetrain components, supporting reliable performance in demanding off-highway applications.

BENEFITS

ERGON CTP TO-4 fluids help eliminate transmission slippage and reduce brake noise, contributing to smoother and more reliable equipment operation. Their enhanced protection extends component life and lowers overall operating costs. Excellent low-temperature performance ensures smooth operation in cold conditions, while the formulation's durability supports reduced maintenance requirements and longer service intervals.



TECHNICAL PRODUCT SHEET

PHYSICAL-CHEMICAL CHARACTERISTICS

ERGON CTP TO-4	METHOD	SAE 10W	SAE 30	SAE 50
Density at 15°C, g/cm ³	ASTM D4052	0.875	0.885	0.898
Viscosity, Kinematic (cSt) 40°C	ASTM D445	40.5	102.0	202.0
Viscosity, Kinematic (cSt) 100°C	ASTM D445	6.3	11.5	18.0
Viscosity index	ASTM D2270	103	99	91
Flash point, COC, °C	ASTM D92	212	248	254
Pour point, °C	ASTM D97	-30	-24	-21
Foam Tendency / Stability, ml				
Sequence I		20 / 0	30 / 0	30 / 0
Sequence II	ASTM D892	20 / 0	30 / 0	30 / 0
Sequence III		20 / 0	30 / 0	30 / 0
TBN, mgKOH/g	ASTM D2896	7.2	7.2	7.2

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

