



SAE 10w 30 50 TO-2



Description

Extra high performance, heavy duty transmission and drive-train lubricants engineered to meet or exceed the requirements of the rigorous Caterpillar TO-2 specification. This product line is uniquely designed to optimize the performance of powershift transmissions, gearboxes, and final drives. In hydraulic applications, they provide maximum protection even in high pressure systems

Features and Benefits

- Balanced static and dynamic friction coefficients
- Optimised clutch-friction retention and slippage control
- Compatible with modern clutch materials and elastomers Longer clutch life and higher performance
- Increased levels of anti-wear and load carrying capability
- Reduced gear wear and extended life in transmissions, gearboxes, and final drives
- Greater productivity from reduced downtime
- Excellent foam control protection
- Top performance in wet brakes; excellent control of brake chatter.
- Excellent thermal and oxidation stability Outstanding hydraulic oil stability and protection against high-pressure pump wear.
- Lower viscosities offer very good low temperature pump ability that reduced time from start-up to production.

Technical data

Characteristics	Standard	10w	30	50
Appearance	Visual	Liq. Transp.	Liq. Transp.	Liq. Transp.
SAE Grade		10w	30	50
Density 15° C, Kg/l	ASTM D 4052	0,88	0,895	0,895
Viscosity 100° C, Mm2/s	ISO 3104	6,3	11,5	20.5
Viscosity 40° C, Mm2/s	ISO 3104	40,3	110	245
Viscosity ndex	ISO 2909	98 min	98 mín	98 min
Flash point, °C	ISO 2592	208	225 mín	225 min
Pour point, °C	ASTM D 97	-21	-21	-19



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Quality level

- CATERPILLAR TO-2
- KOMATSU
- ALLISON C-3

Revisión: 160803



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