

CHAMPION U.T.T. OIL 500

This is a lubricant, specifically formulated to meet the requirements of Caterpillar for use in transmissions, final drives and wet brakes [Cat TDTO].

APPLICATIONS

This oil is developed for use in Caterpillar friction devices, such as power shift transmissions, clutches and brakes and other parts such as final drives, bevel gears and differentials. It surpasses CAT TO-2 and Allison C-3 and may also be used for these applications.

FEATURES

Cold Start: good fluidity at low temperature

Anti-wear and oxidation stability: proven protection of critical parts

SPECIFICATIONS

API	CF	EATON VICKERS	I-280-S
API	GL-4	EATON VICKERS	M-2950-S
ISO	100	KOMATSU	KES 07.868.1
ALLISON	C4	ZF	approval TE-ML 03C
ALLISON	TES 439	ZF	approval TE-ML 07F
CATERPILLAR	TO-2	ZF	TE-ML 07D
CATERPILLAR	TO-4		

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.876
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	102
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	11.9
Viscosity index	ASTM D2270		106
B.N. [HClO4 method]	ASTM D2896	mg KOH/g	9.4
Pour point	ASTM D6892	°C	-36
Brookfield viscosity at -12°C	ASTM D2983	mPa.s	7630
Flash Point COC	ASTM D92	°C	230

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

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