

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 FULLER	SFU
API	GL-4	EATON VICKERS	I-280-S
ISO	100	EATON VICKERS	M-2950-S
ALLISON	C4	JCB	SFU
ALLISON	TES 439	KOMATSU	KES 07.868.1
CATERPILLAR	HYDO Advanced 30	ROCKWELL	SFU
CATERPILLAR	TO-2	ZF	approval TE-ML 03C
CATERPILLAR	TO-4	ZF	approval TE-ML 07F
DANA	SFU	ZF	TE-ML 07D

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.

CHAMPION CHEMICALS NV

G. Gilliatstraat 52 - 2620 Hemiksem - Belgium

Tel. +32 3 870 00 00

www.championlubes.com

