



TRON

L U B R I C A N T S

 **ULTRON**

 **MEGATRON**

 **POWERTRON**

Technical Data Sheet

Megatron CAT TO-4 Lubricant Range

Specifications, Performance Standards & Recommendations

- CAT TO-4 and TO- 4M
- Allison C4
- Komatsu KES 07.868.1 (2002)
- API MT-1
- ZF TE-ML-03C
- ZF TE-ML-07F

Megatron CAT TO-4 Lubricant Range is recommended for powershift transmissions, direct drive transmissions, wet disc brake, final drives and differentials in off- road machinery, drive train and hydraulics where Caterpillar TO- 4 is required.

Description

Megatron CAT TO-4 Lubricant Range have been formulated specifically for transmission and drive trains of equipment requiring lubricants having high levels of oxidation stability, the ability to reduce gear wear plus improved friction properties and elastomer compatibility. The performance of these lubricants have been defined by the Caterpillar Company as a result of a comprehensive test evaluation of frictional requirements, wear tests and viscosity, chemical and physical properties, stemming from concerns that modern day diesel engine lubricants meeting Cat TO-2 requirements are placing more emphasis on reduced engine emissions than the transmission's protection and longevity.

Benefits

- Improved oxidation stability maintains high temperature performance and transmission cleanliness during service life.
- Excellent wear performance thus extending component life.
- Superior friction properties for drive trains that eliminate slippage and reduces brake noise.

Typical Physical Characteristics

Megatron TO-4 Range					
SAE No.	10W	30	40	50	60
Viscosity, cSt @ 40°C	43	104	155	235	340
Viscosity, cSt @ 100°C	6.5	11.6	14.9	19.6	25.2
Viscosity Index, min	100	96	95	95	95
Flash Point, °C	208	220	224	228	230
Pour Point, °C	-30	-16	-12	-12	-8
Density @ 20°C	0.871	0.891	0.898	0.900	0.902
Total Base No.	10.6	10.6	10.6	10.6	10.6

The values of the specifications shown in this table are typical values given as an indication only.

Pack Sizes

- 500 ml ,1 Litre, 5 Litre and 20 Litre Plastic Bottles
- 208 Litre Steel Drums
- 1000 Litre IBC

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data sheet available on www.tronlubricants.com

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