



ASTRIS CAT TO-4

SAE 30

Special high-performance transmission fluid

Special power transmission fluid according to Caterpillar TO-4 specification for gear units and final drives, wet brakes, «Power-Schift» gear units and hydraulic systems of Caterpillar units.

Special friction properties, favorable viscosity-temperature maintenance, optimal aging resistance, good foaming maintenance and excellent wear protection properties.

NOT TO BE USED AS ENGINE OIL

Properties and features

- Very high viscosity resistance
- Special friction properties prevent stick slips and vibrations of the wet brakes.
- Favorable cold flow
- Optimal rust, wear and corrosion protection
- High anti-foam properties

Use

High quality gear oil with "limited slip" properties, especially conceived for the use in axle gears with self-locking differential of modern vehicles.

Observe manufacturer's specifications and instructions before use.

Specifications / Performance level

API GL-4
CATERPILLAR TO-4 (TDTO)
ALLISON C-4
KOMATSU MICRO-CLUTCH
KOMATSU KES 07.868.1
ZF TE-ML 03C, 07D, 07F

Technical data	Unit	Method
Density at 15°C	0.898 g/cm ³	ASTM D 1298
Viscosity at 40 °C	90 mm ² /s	ASTM D 445
Viscosity at 100 °C	10.6 mm ² /s	ASTM D 445
Viscosity index	100	ASTM D 2270
Flash point C.O.C.	220 °C	ASTM D 92
Pour point	-33	ASTM D 97

Health, safety and environment

ADR / SDR : Not dangerous

EU Waste List Code : 13 02 08