

Product Code:

2603

TO-4 POWERTRAIN OIL

Transmission Oil

Meets the requirements:

SAE 50, ALLISON C4 (off-road), CATERPILLAR TO-4,
KOMATSU KES 07.868.1

A special all-season transmission-hydraulic mineral oil mostly designed for differentials and final drives where the main task is the lubrication of toothed gearing and bearings operating in high-load conditions. In subsystems without friction materials, such as brakes and the clutch that work in an oil bath and where they are. It is designed for use in hydraulic systems, transmissions and gearboxes (including power ones).

It complies with strict Cat TO-4 requirements imposed for TDTO (Transmission/Drive Train Oil) lubricants by the Caterpillar company. The specification TO-4 is the industry standard. The specification determines operating requirements imposed on hydraulic fluids for their use in CAT equipment.

Product Characteristics:

Test	Method	Unit	Result
Density at 15 °C	D 1298	kg/l	890
Viscosity at 40 °C	D 445	cSt	183,16
Viscosity at 100 °C	D 445	cSt	17,02
Viscosity index	D 2270		99
Flash point COC	D 92	°C	230
Pour point	D 97	°C	-21
TBN	D 2896	mgKOH/g	9,90
Ignition temperature		°C	350
Mechanical impurities	D 2273	%	-

Volume:

20L	MN2603-20	208L	MN2603-DR
1000L	MN2603-IBC		



www.mannol.de

SCT-Vertriebs GmbH

Feldstrasse 154, 22880 Wedel/Hamburg, Germany, info@sct-germany.de, tel.: +49 (0)4103 1211 0, fax: +49 (0)4103 1211 116

MANNOL®