



RAVENOL CATOEL TO-4 SAE 10W

RAVENOL CATOEL TO-4 SAE 10W is a special oil for hydraulic- and transmission equipment. RAVENOL CATOEL TO-4 SAE 10W fulfils the recommendations of Caterpillar TO-4 specification and is suitable for lubrication of power shift transmission, differentials, final drives and hydraulic equipment of earth-moving equipment, for which a Caterpillar TO-4 or Allison C-4 fluid is required.

Application Notes

RAVENOL CATOEL TO-4 SAE 10W ensures maximum wear protection in various gears, such as side drives and differentials, optimized the friction coefficient in power shift transmissions, wet brakes and clutches and provides maximum service life of the units.

Quality Classifications

RAVENOL CATOEL TO-4 SAE 10W has been approved and corresponds to:

Specifications

API SF, API GL-4, API CE

Approvals

ZF TE-ML 03C, ZF TE-ML 07F

Practice and tested in aggregates with filling

Allison C-4, Caterpillar TO-4, Komatsu Micro Clutch, Eaton Fuller

Characteristic

RAVENOL CATOEL TO-4 SAE 10W offers:

- Excellent anti-wear properties
- High oxidation stability
- Excellent viscosity-temperature behavior
- Specific friction-properties, which grants an optimum

use of the power shift transmissions

- Guarantee maximum lifetime of the aggregates

Characteristics	Unit	Data	Audit
Colour		gelbbraun	-
Density at 20°C	kg/m ³	862	EN ISO 12185
Viscosity at 40°C	mm ² /s	40,50	DIN 51 562
Viscosity at 100°C	mm ² /s	6,48	DIN 51 562
Viscosity index VI		111	DIN ISO 2909
Flash point (COC)	°C	>180	DIN ISO 2592
Pourpoint	°C	-29	DIN ISO 3016
TBN	mg KOH/g	7,6	DIN ISO 3771

All indicated data are approximate values and are subject to the commercial fluctuations.

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

21.10.2015

Ravensberger Schmierstoffvertrieb GmbH

Postfach 1163

33819 Werther

Tel.: 05203/9719-0

Fax.: 052039719-40 / 41