



RAVENOL CATOEL TO-4 SAE 30

RAVENOL CATOEL TO-4 SAE 30 is a special transmission oil developed specifically to meet the stringent requirements of the Caterpillar TO-4 specification. It ensures maximum wear protection in different gears, like side drives and differentials optimized friction coefficient in the power-shift transmissions, wet brakes and clutches and provides maximum service life of the units.

Application Notes

RAVENOL CATOEL TO-4 SAE 30 is formulated to meet the stringent Caterpillar TO-4 specification, and is suitable for use in transmissions, final drives, hydraulic systems, wet brakes and clutches that require this specification of lubricant.

Quality Classifications

RAVENOL CATOEL TO-4 SAE 30 is approved, tried and tested for aggregates specifying:

Specifications

API SF, API CE, API GL-4, API SF-4, CCMC G2, CCMC D4

Approvals

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

Practice and tested in aggregates with filling

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

Characteristic

RAVENOL CATOEL TO-4 SAE 30 offers:

- Exceptional wear protection
- High oxidation stability
- Excellent viscosity-temperature behaviour
- Optimizes maximum life span of components

Characteristics	Unit	Data	Audit
Colour		gelbbraun	visual
Density at 20°C	kg/m ³	893	EN ISO 12185
Viscosity at 40°C	mm ² /s	101,0	DIN 51 562
Viscosity at 100°C	mm ² /s	11,5	DIN 51 562
Flash point (COC)	°C	230	DIN ISO 2592
Pourpoint	°C	-30	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.

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