

- Certificate / Product Information -

**RAVENOL CATOEL TO-4 SAE 30**

Art. 1310613

MINERAL

TRANSMISSION

**Description:**

**RAVENOL CATOEL TO-4 SAE 30** is a special oil for hydraulic- and transmission equipment.

**RAVENOL CATOEL TO-4 SAE 30** 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 Directions:**

**RAVENOL CATOEL TO-4 SAE 30** 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 Classification:**

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

Specifications: API CF, API MT-1

Approvals: ZF TE-ML 03C, 07F (ZF001852)

Recommendations: Caterpillar TO-4, TO-4M, Allison C-4, Komatsu KES 07.868.1 (2002), Eaton Fuller

**Technical Characteristics:**

**RAVENOL CATOEL TO-4 SAE 30** offers:

- Highest wear protection
- High oxidation stability
- Excellent viscosity-temperature behavior
- Optimization of friction coefficient behavior
- Guarantees maximum life of the units

**Technical Values:**

Characteristics	Unit	Data	Test according to
Density at 20°C	kg/m <sup>3</sup>	884,0	EN ISO 12185
Colour		yellow brown	visual
Viscosity at 100°C	mm <sup>2</sup> /s	11,5	DIN 51562-1
Viscosity at 40°C	mm <sup>2</sup> /s	103,9	DIN 51562-1
Viscosity Index VI		98	DIN ISO 2909
Pourpoint	°C	-24	DIN ISO 3016
Flashpoint	°C	264	DIN ISO 2592

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