



TFC 410

Powershift Transmission Fluid

Description

Castrol TFC 410 SAE 10W is a transmission lubricant using highly refined mineral oil, designed for use in powershift transmissions, direct drive transmissions, wet disc brakes, final drives and differentials in off road machinery where Caterpillar TO-4 is required. It is approved against ZF TE ML 03C and Recommended for use in Komatsu off road machinery drivetrain and hydraulics.

Advantages

- Good oxidation stability maintains high temperature performance and transmission cleanliness during service life.
- Stable friction characteristics eliminate slippage and reduce brake noise.
- Excellent friction performance with a wide range of friction materials ensures smooth positive changes and enhanced friction material durability.
- Improved wear performance extends component life.

Typical Characteristics

Name	Method	Units	TFC 410
Density @ 15C, Relative	ASTM D1298	g/ml	0.885
Appearance	Visual	-	Clear & Bright
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	6.0
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	35.0
Viscosity Index	ASTM D2270	None	100
Pour Point	ASTM D97	°C	-15
Flash Point, COC	ASTM D92	°C	220
T.B.N.	ASTM D2896	mg KOH/g	7.5

Product Performance Claims

ZF TE-ML 03C

Meets CAT TO-4

Recommended for use in Komatsu Equipment

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

TFC 410

01 May 2017

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol (UK) Limited, PO BOX 354, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW

www.castrol.com