



TranSynd 668

Full-Synthetic Automatic Transmission Fluid

Description

Castrol TranSynd 668 is a premium, full-synthetic automatic transmission fluid specifically formulated for Allison Transmission® on-highway automatic transmissions. TranSynd 668 provides oxidative stability, anti-wear performance, and friction durability, as well as TES 668™ specification differentiators such as extended anti-shudder durability and extended clutch friction durability. This fluid features an Allison TES 668 approval. The TES 668™ spec is fully backwards compatible with both Allison TES 295® and TES 468™ applications.

Advantages

- Delivers improved gear protection.
- Delivers extended anti-shudder durability.
- Delivers extended clutch-friction durability.
- Excellent corrosion and foaming resistance.
- Excellent thermal and oxidative stability that helps to prevent deposits and oil thickening.
- Excellent transmission cleanliness under all conditions permits extended oil-drain intervals and decreased servicing.
- Excellent temperature reduction through reduced friction leads to longer oil and component life.
- Outstanding cold-flow properties enables faster oil flow to all critical components particularly during cold starts.
- Optimized frictional characteristics gives smoother gear changing at all ambient temperatures and load conditions.
- Excellent shear stability properties help to retain full transmission performance over entire oil-drain interval.

Typical Characteristics

Name	Method	Units	TranSynd 668
Appearance	Visual	-	Bright & Clear
Colour	ASTM D6045	-	6.2
Density @ 15C, Relative	ASTM D4052	g/ml	0.8508
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	6.9
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	33
Viscosity Index	DIN ISO 2909	None	168
Viscosity, Brookfield @ -40C (75W)	ASTM D2983	mPa.s (cP)	< 12.000
Flash Point, COC	ASTM D92	°C	> 210
Pour Point	ASTM D5950	°C	-51

Product Performance Claims

Allison® TES 668™

Voith H55.6335.xx

Volvo Transmission Oil 97341

MAN 339 V1

DTFR 13C190 (MB 236.92)

Backwards compatible with both Allison TES 295® and TES 468™

TranSynd 668

16 May 2023

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, to the extent that it is permissible by law to exclude warranties and representations, 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. Refer to the MSDS, available from our website for further information. No responsibility is taken by either Castrol NZ, 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 New Zealand Limited

Technical Advice Line 0800 10 40 60 Customer Service 0800 CASTROL (227 876)

www.castrol.co.nz www.msds.castrol.co.nz