



## 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 for TES 295® applications, but is not backwards compatible for 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 <sup>2</sup> /s	6.9
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /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  
Backwards Compatible with Allison TES 295

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25 Feb 2021  
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