Product Data

Castrol TranSynd

Fully Synthetic Automatic Transmission Fluid

Description

Castrol TranSynd™ is a premium, synthetic universal powershift and automatic transmission fluid with TES 295™ and TES 468™ approval. It can be recommended for all vehicles calling for Dexron® III / Mercon® ATFs suitable for bus and refuse vehicles with automatic transmissions.

Advantages

- Excellent thermal and oxidative stability means that the viscosity remains almost constant helping prevent deposits and oil thickening - this extends transmission life and avoids incorrect gear changing.
- Excellent transmission cleanliness under all conditions permits extended oil drain and decreased servicing.
- Excellent temperature reduction through reduced friction leads to longer oil and component life and permits extended drain and decreased servicing.
- Lower power input means fuel savings potential and reduced emissions.
- Optimised frictional characteristics gives smoother gear changing at all ambient temperatures and load conditions.
- Constant frictional properties improve driving comfort.
- Outstanding cold flow properties enables faster oil flow to all critical components (eg torque converter, friction plates, planetary wheels and brake bands) particularly during cold starts.
- More responsive and comfortable gear change. Minimises 'shift stock' when changing gear.
- Excellent shear stability properties helps retain full transmission performance over whole oil drain period.
- Optimal lubrication ensures constant level of comfort during gear changing.
- Good extreme pressure (EP) and anti-wear performance gives better transmission component protection leading to longer life.
- Very good seal performance helps avoid oil leakages, reducing repair costs.
- Free from chlorine and heavy metals for better environmental compatibility - easier waste oil disposal and recyclability.

Typical Characteristics

Name	Method	Units	TranSynd™
Density @ 15°C, Relative	ASTM D4052	g/ml	0.848
Colour	Visual	-	Red
Viscosity, Kinematic 40°C	ASTM D445	mm²/s	38
Viscosity, Kinematic 100°C	ASTM D445	mm²/s	7.4
Viscosity Index	ASTM D2270	None	167
Flash Point, COC	ASTM D92	°C	235
Viscosity, Brookfield @ -40°C	ASTM D2983	mPa.s (cP)	8500
Pour Point	ASTM D97	°C	-63

Product Performance Claims

Allison TES 295,
Allison TES 468
DTFR 13C180 (MB 236.91)
DTFR 13D130 (MB 238.22)
ZF TE-ML 03M, 04D, 14C, 16M, 16S, 20C, 25C
Voith H55.6336.xx

Additional Information

TranSynd is registered under the following ZF approval numbers: ZF000226

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.

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