

Castrol TranSynd

Fully Synthetic Automatic Transmission Fluid

Description

Castrol TranSynd can be recommended for all vehicles calling for Dexron III/Mercon or Allison TES 295 and TES 468 ATF's 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 @ 15C, Relative	ASTM D4052	g/ml	0.848
Colour	Visual	-	Red
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	38
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	7.4
Viscosity Index	ASTM D2270	None	167
Flash Point, COC	ASTM D92	°C	235
Viscosity, Brookfield @ -40C	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)
ZF TE-ML 03M, 04D, 14C, 16M, 16S, 20C, 25C
Voith H55.6336.xx

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