



Delo[®] Syn-AMT XDT SAE 75W-90

Premium performance fully synthetic
transmission fluid

Product description

Delo Syn-AMT XDT SAE 75W-90 is a premium performance fully synthetic transmission fluid designed for use in Mercedes PowerShift heavy-duty automated manual transmission systems.

Delo Syn-AMT XDT SAE 75W-90 is formulated for extended drain intervals in severe service operations.

Customer benefits

- Designed to provide outstanding frictional characteristics, offering very smooth, efficient gear shifting and operating performance
- Offers resistance against transmission gear scuffing, pitting and adhesive wear, promoting dependable component protection
- Formulated for high temperature oxidation, sludge, varnish, lacquer and deposit resistance in critical components
- Low-temperature fluidity offers rapid fluid circulation for easier start-up and reduced component wear
- High viscosity index and shear stability helps provide effective lubrication in high temperature conditions, and throughout fluid lifetime
- Wide compatibility with a range of seal elastomers, helping prevent seal deterioration and fluid loss



Product highlights

- Promotes very smooth and efficient gear shifting
- Designed for dependable component protection
- Formulated for high temperature oxidation resistance
- Offers low-temperature fluidity
- Provides effective lubrication throughout fluid lifetime
- Wide seal compatibility

Selected specification standards include:

API	Bosch
MAN	Mercedes-Benz

Applications

- Delo Syn-AMT XDT SAE 75W-90 is designed for use in Daimler automated manual transmissions: Mercedes PowerShift transmissions installed in Mercedes-Benz commercial and construction vehicles, and DT-12 transmissions installed in most Freightliner and Western Star trucks with DD15 or DD13 diesel engines

Approvals, performance and recommendations

Approvals

- Mercedes-Benz MB-Approval 235.11
- MAN 341 Type MB ^[1]

Performance

- API GL-4 ^[2]

Recommendations

- Bosch TE-ML 08 ^[3]

^[1] Approval pending.

^[2] Although this product is suitable for use in applications where a GL-4 fluid is specified, it should be noted that the GL-4 specification does not fully address the requirements of synchronized manual transmissions. This fluid is optimized around the needs of commercial vehicle transmissions, and may not give satisfactory performance in applications such as passenger car transmissions.

^[3] List TE-ML 08 "Steering Systems (Non-Power-Assisted) for Cars, Commercial Vehicles, and Off-Road Vehicles" was previously maintained and published by ZF, but as of 01-Apr-2015, responsibility passed to Robert Bosch Automotive Steering GmbH.

Typical test data		
Test	Test Methods	Results
Shelf Life: 60 months from date of filling indicated on the product label.		
Appearance	Visual	Pale yellow
Viscosity, Kinematic, 100°C, mm ² /s	ASTM D445	14.5
Viscosity, Kinematic, 40°C, mm ² /s	ASTM D445	96.5
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	50,000
Viscosity Index	ASTM D2270	158
Density, 15°C, kg/l	ASTM D1298	0.849
Flash Point COC, °C	ASTM D92	223
Pour Point, °C	ASTM D97	-51

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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