



Delo[®] Syn-MTF XZ SAE 75W-80

High performance synthetic heavy-duty manual transmission fluid (Supersedes Multigear MTF SAE 75W-80)

Product description

Delo Syn-MTF XZ SAE 75W-80 is a high performance synthetic heavy-duty manual transmission fluid approved by ZF and MAN and formulated for use in heavy-duty truck synchronised manual transmission systems.

Delo Syn-MTF XZ SAE 75W-80 is formulated with synthetic base fluids in combination with a high performance additive system and offers a drain capability of up to 360,000 km.

Customer benefits

- Long drain capability of up to 360,000km helps reduce maintenance costs and helps optimise uptime
- High performance, specially tuned friction characteristics contribute smooth shifting performance
- High viscosity index (VI) and robust shear stability offer reliable system protection during high temperature operations
- Low temperature fluidity aids rapid fluid circulation at system start-up helping protect critical and vulnerable components
- Extreme pressure (EP) protection promotes resistance to component scuffing and wear, helping reduce maintenance



Product highlights

- Up to 360,000km drain intervals
- Smooth shifting performance
- High performance protection
- Long fluid service life
- High temperature protection

Selected specification standards include:

API	DAF
Eaton	MAN
Volvo	ZF

Applications

- Delo Syn-MTF XZ SAE 75W-80 is designed for long drain in heavy duty synchronised manual truck transmissions, including automated models such as ZF AS Tronic and TraXon transmissions. Delo Syn-MTF XZ SAE 75W-80 is suitable for use in transmissions fitted with interarders
- Delo Syn-MTF XZ SAE 75W-80 may be used for service fill in ZF transmissions for trucks, busses and light commercial vehicles with “TE-ML 01” or “TE-ML 02” entries on the type plate. It may also be used in off-road activities such as mining where products of this type are permitted.
- For this product type, ZF permits a maximum of 360,000 km/2 years oil service period. The oil service interval is dependent on the application and type of service – check your handbook for details.

Approvals, performance and recommendations

Approvals

- DAF Oil for ZF transmissions
- MAN 341 Type Z4 ^[1]
- ZF TE-ML 01L ^[2]
- ZF TE-ML 02L ^[2]
- ZF TE-ML 16K ^[2]

Performance

- API GL-4 ^[3]
- Volvo 97305-80

Recommendations

- DAF Oil for Eaton transmissions
- Eaton (Europe) Semi-synthetic (300,000 km/3 years)
- MAN 341 Type E3 ^[4]

^[1] MAN approval number: TUC 0541/12.

^[2] ZF approval number: ZF002275

^[3] 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.

^[4] The product meets all of the requirements, but MAN made this specification obsolete at the end of 2016.

Typical test data

Test	Test methods	Results
Shelf Life: 60 months from date of filling indicated on the product label.		
Viscosity, Kinematic, 100°C, mm ² /s	ASTM D445	9.6
Viscosity, Kinematic, 40°C, mm ² /s	ASTM D445	57
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	134,000
Viscosity Index	ASTM D2270	150
Colour	ASTM D1500	1.5
Density, 15°C, kg/L	ASTM D1298	0.860
Flash Point COC, °C	ASTM D92	231
Pour Point, °C	ASTM D5950	-42

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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Health, safety, storage and environmental Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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