



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 Volvo 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 450,000 km.

Customer benefits

- Long drain capability of up to 450,000km 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 450,000km 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 Volvo I-Shift transmissions. Delo Syn-MTF XZ SAE 75W-80 is suitable for use in transmissions fitted with intarders
- 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, Volvo permits a maximum of 450,000 km/3 years and ZF permits a maximum of 360,000 km/2 years. Oil service intervals are dependent on the transmission model, application and type of service – check your handbook for details.

Approvals, performance and recommendations

Approvals

- DAF Oil for ZF gearboxes *
- MAN 341 Type Z4 ^[1] *
- Volvo 97307 ^[2]
- ZF TE-ML 01L ^[3]
- ZF TE-ML 02L ^[3]
- ZF TE-ML 16K ^[3]

Performance

- API GL-4 ^[4]

Recommendations

- DAF Oil for Eaton gearboxes
- Eaton (Europe) Semi-synthetic (300,000 km/3 years)
- MAN 341 Type E3

^[1] MAN approval number: To be confirmed

^[2] Volvo approval number: 97307-37

^[3] ZF approval number: ZF003600

^[4] 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.

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	9.85
Viscosity, Kinematic, 40°C, mm ² /s	ASTM D445	58.2
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	73,400
Viscosity Index	ASTM D2270	155
Density, 15°C, kg/L	ASTM D1298	0.859
Flash Point COC, °C	ASTM D92	224
Pour Point, °C	ASTM D5950	-39

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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