Multigear® MTF 75W-80
High performance heavy duty synthetic manual transmission fluid

Product description
Multigear MTF 75W-80 is a high performance heavy duty synthetic manual transmission fluid formulated for use in heavy duty truck synchronised manual transmission systems.

Multigear MTF 75W-80 is formulated with synthetic base fluids in combination with a specifically tuned additive system and offers a drain capability of up to 300,000 km.

Customer benefits
• Long drain capability of up to 300,000 km helps reduce maintenance costs and helps optimise uptime
• High performance, specially tuned friction characteristics contribute smooth shifting performance
• Highly durable friction properties offer protection and performance throughout fluid service life
• Robust shear stability helps maintain lubrication performance and system protection over a long fluid service life
• High viscosity index (VI) offers 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
• Oxidation stability contributes to the resistance of harmful sludge, lacquer and deposit formation
• Compatible with a wide range of seal materials, helping prevent fluid loss
• Offers resistance to rust and corrosion in ferrous and yellow metal components, helping reduce maintenance, downtime and costs

Selected specification standards include:
API
DAF
Eaton
MAN
Volvo
ZF

Product highlights
• Up to 300,000 km drain intervals
• Smooth shifting performance
• High performance protection
• Long fluid service life
• High temperature protection

Always confirm that the product selected is consistent with the original equipment manufacturer’s recommendation for the equipment operating conditions and customer’s maintenance practices.
Applications

- Multigear MTF 75W-80 is designed for long drain in heavy duty synchronised manual truck transmissions, including automated models (such as ZF AS Tronic transmissions). Multigear MTF 75W-80 is suitable for use in transmissions fitted with retarders or intarders.
- ZF has recently started using a new type of synchroniser component in some of its truck and bus transmissions. These transmissions are indicated by a “TE-ML 01” entry on the name plate. Multigear MTF 75W-80 may also be used for these applications.

Approvals, performance and recommendations

Approvals

- **DAF** Gearbox oil for ZF A and Eaton gearboxes  
  Approval pending
- **MAN** 341 Type Z4  
  Approval pending
- **Volvo** 97305-89  
  Approval pending
- **ZF** TE-ML 02L  
  Approved
- **ZF** TE-ML 16K  
  Approved

Performance

- **API** GL-4

Recommendations

- Eaton (Europe) Semi-synthetic  
  (300,000 km/3 years)
- **MAN** 341 Type E3

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1 Although this product is suitable for use in applications where a GL4 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

<table>
<thead>
<tr>
<th>Test</th>
<th>Test methods</th>
<th>Results</th>
</tr>
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<tbody>
<tr>
<td>Viscosity Grade</td>
<td></td>
<td>75W-80</td>
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<tr>
<td>Product Code</td>
<td></td>
<td>30439.2</td>
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<tr>
<td>Viscosity, Kinematic, 100°C, mm²/s</td>
<td>ASTM D445</td>
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<td>Viscosity, Kinematic, 40°C, mm²/s</td>
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<tr>
<td>Viscosity, Brookfield, -40°C, mPa.s</td>
<td>ASTM D2983</td>
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<td>Viscosity Index</td>
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<td>Colour</td>
<td>ASTM D1500</td>
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<td>Density, 15°C, kg/l</td>
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<td>Flash Point COC, °C</td>
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<tr>
<td>Pour Point, °C</td>
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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.