



# MTF 94

## Proven performance multigrade manual transmission oil

### Product description

MTF 94 is a proven performance multigrade manual transmission oil. This highly shear stable fluid is designed specifically for passenger car manual transmissions.

Formulated with a mineral oil base and mild-EP additives, MTF 94 is not designed around a specific SAE viscosity grade classification, but approximates to SAE 75W-80.

### Customer benefits

- Shear stable viscosity improver is highly resistant to the shear stresses of modern transmissions, helping ensure that fluid viscosity and oil film thickness is retained to contribute to transmission protection throughout fluid service life
- Robust EP performance promotes good protection against gear scuffing, pitting and wear under adverse driving conditions
- Dependable formulation assists prolonged bearing durability and service life
- Combined friction modifiers, additives and fluid viscosity promotes optimal synchroniser operation and light, easy gear shifts
- Mild-EP additives are non-corrosive to sensitive copper alloy components
- Rust and corrosion protection
- Oxidation stability helps prevent in-service oil thickening, and keeps transmissions clean and free of harmful deposits
- Compatible with a wide range of elastomers, helping protect against seal deterioration and fluid leakage
- Good foam suppression

### Product highlights

- **Contributes to transmission protection throughout fluid service life**
- **Robust EP performance promotes scuffing, pitting and wear protection**
- **Assists prolonged bearing durability and service life**
- **Promotes light, easy gear shifts**

#### Selected specification standards include:

API

## Applications

- MTF 94 is specifically designed around the demands of the passenger car manual transmissions used in Rover, Land Rover and Mini vehicles. MTF 94 is recommended for models equipped with the Rover PG-1, R65, R380 and Getrag 283 transmissions (Rover 200, 400, 600, 800, 25, 45, 75, MG-F; Land Rover Freelander, Defender, Discovery and Range Rover). It is not recommended for the GFT MT-82 six-speed transmission (fitted to the 2007 model Land Rover Defender)
- Meeting these demands means that MTF 94 is also suitable for use in manual transmissions fitted to other modern passenger cars and car-derived vans, particularly those manufactured by Honda. MTF 94 is also suitable for use in light-duty non-hypoid transfer boxes and ZEXEL limited slip axles

- Although this fluid has the performance level API GL-4, the demands of passenger car and heavy duty transmissions are not exactly the same and it is recommended that a dedicated heavy duty gear oil such as Geartex EP-A or Multigear is used in heavy duty synchronized manual transmissions requiring an API GL-4 fluid. MTF 94 should not be used in automotive transmissions, transaxles or differentials that require an API GL-5 gear lubricant

## Approvals, performance and recommendations

### Performance

- API GL-4 Performance level

Typical test data		
Test	Test methods	Results
<b>Product Code</b>		<b>30378</b>
Density, 15°C, kg/l	ASTM D4053	0.886
Flash Point COC, °C	ASTM D92	208
Viscosity, Kinematic, 100°C, mm <sup>2</sup> /s	ASTM D445	10.5
Viscosity, Kinematic, 40°C, mm <sup>2</sup> /s	ASTM D445	53
Viscosity, Brookfield, -20°C, mPa.s	ASTM D2983	2,260
Viscosity, Brookfield, -40°C, mPa.s	ASTM D2983	76,500
Viscosity Index	ASTM D2270	193

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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