



MTF Manual Transmission Fluid

Product Sheet

MTF Manual Transmission Fluid is a Multi-Vehicle fluid for cars, fully synthetic, fuel economy, developed to meet the lubrication needs of most manual transmissions and differential gearbox units requiring **API GL-4 premium** performance (Gear Protection & Synchroniser Performance).

Superior Performance - Total Protection

The special additives used give the product a high thermal-oxidative stability, prevent the lubricant from deterioration and allow longer intervals between oil changes. Its marked rheological properties, a high viscosity index and high cold fluidity allow maximum efficiency of the transmission at both low and high temperatures. Its superior anti-friction, anti-wear and anti-foam properties permit a very good lubrication and a safe protection of mechanical parts even under the most severe working conditions, enhancing the transmission performance and allowing smooth and precise insertions.

Its exclusive **BARDAHL POLAR PLUS – FULLERENE C60 anti-friction Formula** builds a protection layer: a surface lubricating film, a polar molecule area and the **Fullerene C60** molecules as a final protection device.

PROPERTIES

- Maximum gear and bearing protection against wear, heavy loads and corrosion.
- Improved transmission efficiency.
- Ensures a longer life and cleanliness of all transmission parts.
- High resistance against thermal degradation and oxidation.
- Compatibility with synchronisers, gaskets and all materials normally used in manual transmissions.
- Extreme flexibility of use, it covers the requests of the most important European, Asian and American manufacturers.
- Formulated completely with synthetic bases.

Maroil s.r.l. – Bardahl Italia

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MTF Manual Transmission Fluid is suitable for use where the specifications, product codes or products shown in the table are required

SAE 75W-80
API GL-4 premium (Gear Protection & Synchroniser Performance)
BMW MTF LT-2 / MTF LT-3 / MTF LT-4
FIAT MZ1 / MZ6 / MZ7
Ford ESD-M2C 186-A / WSD-M2C 200-C / WSS-M2C 200-D2
GM W16612 (dry DCT) / 1940004 / 19259104 (BOT 303) / 1940182 / 1940764 / 1940768
HONDA MTF / MTF-II / MTF-III
MB 235.10
MTF 94
NISSAN MT-XZ / MT-XZ TL (JR Type)
PSA B71 2315 / 2316 (HBVFE) / 2330 (EZL 848) / 9730 A8
Renault DC4 DW5 (6DCT250 Dry DCT)
Tranself NFJ / NFP / NFX / TRJ / TRT / TRZ / TRP / TRX
VOLVO 97308 / 97309
VW G 009 317 / G 052 171 / G 052 178 / G 052 512 (dry DCT) / G 052 527 A2 / G 052 549 A2 / G 052 726 / G 060 726 / G 070 726 A2 / G 50

SAE 75W-90
API GL-4 premium (Gear Protection & Synchroniser Performance)
BMW MTF LT-4
FIAT MZ1
Ford WSD-M2C 200-C
GM 1940182 / 1940764 / 1940768
MTF 94
VW G 50

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CHEMICAL-PHYSICAL CHARACTERISTICS

SAE Grade	SAE 75W-80	SAE 75W-90
Viscosity at 40°C	51,43 cSt	99,6 cSt
Viscosity at 100°C	9,02 cSt	16,04 cSt
Density at 15°C	0,857 g/cm ³	0,873 g/cm ³
Viscosity Index	157	173
Flash Point	188°C	186,5 °C
Pour Point	-48°C	-45°C
Brookfield -40°C	28000 mPa.s	115000 mPa.s

The values shown in this table are just as an indication, variable within certain tolerances.

STORAGE

Store in original closed packaging, store indoors, away from moisture, from direct exposure to sunlight and weather. Avoid continuous and excessive temperature changes.