



PETRONAS Tutela Multi MTF 700

75W-80

Designed to be the Fluid Technology Solution of choice providing excellent protection and longer oil life for manual transmissions

Description and Applications

PETRONAS Tutela Multi MTF 700 is a premium fully synthetic multi-vehicle Manual Transmission Fluid delivering optimized synchronizer performances and component durability for today's manual transmissions over their standard service life. Its wide coverage of major manufacturer specifications, extensive bench testing and field-testing, makes it suitable for use in virtually all manual transmissions requiring API GL4. Tutela Multi MTF 700 is also suitable for those Dry Dual Clutch Transmission recommended the below performance levels. For this reason, Tutela Multi MTF 700 reduces the risk of using the wrong oil and simplifies inventory management.

Benefits

PETRONAS Tutela Multi MTF 700 enhances your vehicle availability while significantly reducing your operating costs through:

- **Fuel Economy** performance by **optimized transmission efficiency**:
 - o A lower viscosity fluid to help reduce operational energy losses.
- **Extended Transmission Life** driven by:
 - o Exceptional thermal and oxidation stability under high temperature, providing viscosity stability and preventing formation of deposits and sludge to prolong oil life
 - o Enhanced shear stability for a constant film strength and effective lubrication to protect all moving parts
 - o Excellent anti-wear, gear and bearing protection to extend components life
 - o Extended transmission fluid life and prevention against fluid breakdown at higher operating temperatures for a total protection of the transmission
 - o Seal compatibility for better leakage prevention
 - o Robust corrosion protection on yellow metals and steel
 - o Broad synchronizer materials compatibility

Provides outstanding Driving Experience through:

- **Outstanding synchronizer performance** at a wide temperature range for a comfortable shifting
- **Exceptional low temperature viscosity** for improved lubrication during start-up and shifting comfort in cold conditions

Approvals, Specifications and Recommendations

Specifications:

- API GL-4
- Bosch TE-ML 08
- ZF TE-ML 08

Performance Level:

- Audi / Seat / Skoda / VW G 052 317, G 052 171, G 052 178, G 052 512 (dry DCT), G 055 512 (dry DCT), G 052 726, G 060 726, G 50, G 052 527, G 070 726, G 052 549
- BMW MTF LT-2, LT-3, LT-4
- Fiat 9.55550-MZ12
- Ford WSD-M2C200-C; FORD WSS-M2C200-D2, FORD M2C 186-A
- GM W16612, 194004 / 19259104; GM 1940182 / 1940764 / 1940768
- Nissan MT-XZ, MT-XZ TL (JR Type)
- PSA B71 2330, B71 2315, B71 2316 (HBVFE), 9730 A8
- Land Rover Special Gear Oil MTF 94
- Honda MTF, MTF-II, MTF-III
- Renault DC4 DW5 (6DCT250 dry DCT), MTF type NFJ, NFP, NFX, TRJ, TRT, TRZ, TRP, TRX
- Volvo 97308, 97309

Note: Always consult your owner's manual to check recommended viscosity grade and specifications for your specific vehicle

Typical Physical Data

Parameters	Method	Unit	Typical Value
Appearance	-	-	Bright & Clear
Density @15°C	ASTM D 4052	g/cm ³	0.860
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	9.3
Kinematic Viscosity @40°C	ASTM D 445	mm ² /s (cSt)	54
Viscosity Index	ASTM D 2270	-	155
Brookfield Viscosity @-40°C	ASTM D 2983	mPa.s (cP)	54000
Pour Point	ASTM D 97	°C	-45
Flash Point COC	ASTM D 92	°C	230

All technical data is provided for reference only. These characteristics are typical of current production. Whilst future production will conform to PLI's specification, variations in these characteristics may occur.

Health, Safety and Environment

This product is unlikely to present any significant health and safety hazards when used in the recommended application. Avoid contact with skin. Wash immediately with soap and water after skin contact. Do not discharge into drains, soil or water.

For further detail regarding storage, safe handling, and disposal of product, please refer to product SDS or contact us at: www.pli-petronas.com

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Code: 76640