



PETRONAS Tutela MTF 500

75W-90

Designed to be the Fluid Technology Solution of choice providing improved protection for manual transmission systems

Description and Applications

PETRONAS Tutela MTF 500 is a premium semi-synthetic Manual Transmission Fluid delivering optimized synchronizer performances and component durability for today's manual transmissions over their standard service life. Suitable in a wide range of operating temperatures, it's recommended in manual transmissions requiring API GL-4.

Benefits

PETRONAS Tutela MTF 500 protects your Business Profits and your Vehicle Availability while reducing your operating costs, through:

- **Fuel Economy** capability by **optimized transmission efficiency**:
 - o A wider operating temperature to help reduce operational energy losses.
- **Longer Transmission Life** driven by:
 - o Enhanced anti-wear and gear protection to extend components life
 - o Enhanced thermal and oxidation stability under high temperature, preventing formation of deposits and sludge to prolong oil life and providing viscosity stability to prolong oil life

Provides excellent Driving Experience through:

- **Excellent synchronizer compatibility**
- **Robust corrosion protection** on yellow metals and steel
- **Excellent low temperature viscosity** for improved lubrication and shifting comfort during start-up in cold conditions

Approvals, Specifications and Recommendations

Specifications:

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

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)	14.8
Kinematic Viscosity @40°C	ASTM D 445	mm ² /s (cSt)	100
Viscosity Index	ASTM D 2270	-	165
Brookfield Viscosity @-40°C	ASTM D 2983	mPa.s (cP)	125000
Pour Point	ASTM D 97	°C	-45
Flash Point COC	ASTM D 92	°C	210

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

Important Note

The word PETRONAS, the PETRONAS logo and such other related trademarks and/or marks used herein are trademarks or registered trademarks of PETRONAS Lubricants International Sdn. Bhd. ("PLISB"), or its subsidiaries or related Holding Corporation under license unless indicated otherwise. The data sheet and the information contained herein is believed to be accurate as of the date of printing. PLISB makes no express or implied representation or warranties as to its accuracy or completeness or information in or any transaction performed. The PLI Documents information provided is based on standard tests under laboratory conditions and is given only as a guide. Users are advised to ensure that they refer to the latest version of these PLI Documents. It is the responsibility of the users to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations imposed by the respective local authorities.

Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either PLISB or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortuous action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representative in the event you require any further information.

Code: 76637