

Product Data Sheet

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PETRONAS Tutela Multi ATF 500



Designed to be the Fluid Technology Solution of choice providing improved protection for automatic transmission and power-steering systems

Description and Applications

PETRONAS Tutela Multi ATF 500 is a DEXRON®-VI approved, multi-vehicle Automatic Transmission Fluid, delivering long-lasting shifting performance and component durability for today's automatic transmissions over their standard service life. Its wide coverage of major manufacturer specifications, extensive bench testing and field-testing, makes it suitable for use for virtually all automatic transmissions. For this reason, Tutela Multi ATF 500 reduces the risk of using the wrong oil and simplifies inventory management.

PETRONAS Tutela Multi ATF 500 meets the requirement of JASO M315-2013 1A and JASO M315-2013 2A, standards recognized by Japanese OEMs for use in automatic transmissions. It is also suitable for use in power steering and hydraulic systems of passenger cars requiring GM DEXRON®-VI/Ford MERCON® and previous level of performances.

Benefits

PETRONAS Tutela Multi ATF 500 protects your Vehicle Availability while reducing your operating costs, through:

- **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:

- **Optimal friction durability** for superior anti-shudder performance and enhanced driving comfort
- **Excellent low temperature viscosity** for improved lubrication and shifting comfort during start-up in cold conditions
- **Significantly reduced transmission noise**

Approvals, Specifications and Recommendations

Specifications:

- JASO M315-2013 1A, JASO M315-2013 2A
- Allison C-4

Approvals:

- GM DEXRON®-VI

Performance Level:

- Aisin Warner JWS 3309, JWS 3314, JWS 3317, JWS 3324, AW-1
- ATF RED 1/ RED 1K
- BMW LA2634, LT71141, 7045E, ETL-8072B, MINI T-VI
- Bosch TE-ML 09
- Daewoo LT 71141
- Daihatsu AMMIX ATF D-II, Daihatsu AMMIX ATF D-III SP
- Chrysler/Jeep ATF+3/ATF +4, NAG 1
- Ford MERCON®, Ford FNR5, Ford XT-2-QDX (M), XT-2-QSM (Syn), WSS M2C138CJ, WSS M2C166H, WSS M2C 922A1, WSS M2C 924A (XT-8-QAW) JWS 3309, ESP-M2C166H, XL-12
- FUSO ATF-II/ATF-SP III/ATF A4
- GM DEXRON® IIIH
- Hino Blue Ribbon ATF
- Honda ATF Z1 (except CVT), DW-1
- Hyundai/Kia SP-II, SP-III, SP-IV
- ISUZU BESCO ATF-II, ATF-III, ATF-SP, SCS Fluid
- Mazda ATF D-II/ATF M-III/ATF M-V/ATF F-1/ATF S-1/ATF N-1/ATF-3317
- Mitsubishi Diaqueen SK/SP-II/SP-III/J2/J3/ATF PA/SP-IV/AW
- Nissan Matic Fluid C/D/J/K/S

- Peugeot/Citroen (PSA) AL4
- Porsche LT71141, ATF 3403-M115, JWS 3309
- Renault Matic D2/DPO/AL4, SATF-D
- SSang yong DSIH 5M-66
- Subaru ATF/ATF HP/ATF 5AT/ATF AW-1
- Suzuki ATF AW-1/AT OIL 5D06/ATF 2384K/ATF 3314/ATF 3317/JWS 3309
- Toyota ATF D-II/D-III/T-IV, ATF WS
- Audi/Seat/Skoda/VW G 052 025, G 052 162, G 052 990, G 055 025, G 053 025, G 055 540, G 052 055
- ZF 3, 4 and 5 speed transmissions

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
Color	-	-	Red
Density @15°C	ASTM D 4052	g/cm ³	0.850
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	6.2
Kinematic Viscosity @40°C	ASTM D 445	mm ² /s (cSt)	31
Viscosity Index	ASTM D 2270	-	156
Brookfield Viscosity @-40°C	ASTM D 2983	mPa.s (cP)	14000
Pour Point	ASTM D 97	°C	-48
Flash Point COC	ASTM D 92	°C	218

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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