

**PETRONAS**

PETRONAS Tutela Multi DCT 700

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

Description and Applications

PETRONAS Tutela Multi DCT 700 is a premium fully synthetic multi-vehicle automatic transmission fluid for Wet Double Clutch Transmissions (WDCT), delivering optimized synchronizer and clutch performances 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 WDCT transmissions. For this reason, Tutela Multi DCT 700 reduces the risk of using the wrong oil and simplifies inventory management.

Its specific technology makes it suitable for hybrid electrified vehicles.

Benefits

PETRONAS Tutela Multi DCT 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 Excellent seal compatibility for better leakage prevention
 - o Robust corrosion protection on yellow metals and steel
- **Compatibility with Electrical components**:
 - o Optimized electrical Conductivity/resistivity
 - o Enhanced copper corrosion protection

Provides outstanding Driving Experience through:

- **Outstanding synchronizer and clutch performance** at a wide temperature range for a comfortable driving
- **Extended friction durability** for superior anti-shudder performance and enhanced driving comfort
- **Exceptional low temperature viscosity** for improved lubrication during start-up and shifting comfort
- **Significantly reduced transmission noise**

Approvals, Specifications and Recommendations

Performance level:

- BMW Drivelogic 7-speed, DCTF-1, 6-speed DCT, BMW MTF LT-5, DCTF-1+, DCTF-2
- Borg Warner
- BYD DCTs, Q/BYD-A1909.0058-2013
- Changan DCTF
- Chery DCTs
- Chrysler 68044345 EA & GA, Chrysler Powershift 6-speed (Getrag)
- Eaton PS-278
- Ferrari 7-speed (Getrag)/TF DCT-3
- Fiat 9.55550-HE2, MZ6 (DDCT)
- Ford Powershift 6-Speed, WSS-M2C936A, WSS-M2C218-A1, WSS-M2C200-D2/ XT-11-QDC, F-DC
- Geely 7 Speed
- Great Wall DCT
- Hyundai/Kia 04300-2N100, Hyundai 00232-191100 WDCTF Hd G Gear oil, Hyundai/Kia 04300-2N110 WDHO-1, Hyundai 00232-19101 WDCTF Hd H Control oil
- Magna/Getrag DCTs
- Mitsubishi TC-SST 6-speed, MZ320065 SSTF-1
- Nissan Powershift 6-Speed

- Peugeot / Citroën DCS 6-speed (GFT)/9734.S2
- Porsche 000-043-306-34, 00004320729, 999.917.080.01, 999.917.080.00, PDK ZF DCT Oil
- Renault EDC 6-speed, EDC-7, DC4, DW5, DW6
- Volvo Dual Clutch Oil D1, D2, Powershift 6-speed (GFT)/1161838/1161839
- Audi/Seat/Skoda/VW 6-speed FWD (G 052 182), DSG7 S-Tronic 7 (G 052 529 A2 or A6), wet clutch and electro-hydraulic control circuit (G 055 529), VW G 052 536, VW G 055 536, VW/Audi G 052 512, VW/Audi G 055 529, VW/Audi G 052 182 A2 or A6 (fluid)

e-Mobility claims:

- Lynk & Co. 01 (Plug-in hybrid and Hybrid electric SUV)
- VW Golf GTE DQ400E

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	0.850
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	6.8
Kinematic Viscosity @40°C	ASTM D 445	mm ² /s (cSt)	32
Viscosity Index	ASTM D 2270	-	177
Brookfield Viscosity @-40°C	ASTM D 2983	mPa.s (cP)	18000
Pour Point	ASTM D 97	°C	-45
Flash Point COC	ASTM D 92	°C	198

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 refers to product SDS or contact us at: www.pli-petronas.com

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