

**PETRONAS**

# PETRONAS Tutela Multi CVT 700

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

## Description and Applications

PETRONAS Tutela Multi CVT 700 is a premium fully synthetic multi-vehicle Continuously Variable Transmission (CVT) fluid, delivering steel to steel optimized friction, torque transfer capacity 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 CVT transmissions. For this reason, Tutela Multi CVT 700 reduces the risk of using the wrong oil and simplifies inventory management.

PETRONAS Tutela Multi CVT 700 meets the service fill requirement of most belt and chain CVT OEMs for use in passenger cars.

Its specific technology makes it suitable for hybrid electrified vehicles including Toyota Hybrid transmissions.

## Benefits

PETRONAS Tutela Multi CVT 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 Outstanding control valve cleanliness to keep optimal operating conditions
- **Compatibility with Electrical components**:
  - o Optimized electrical Conductivity/resistivity
  - o Enhanced copper corrosion protection

Provides outstanding Driving Experience through:

- **Balanced torque capacity for an efficient power transfer**
- **Extended friction durability** for superior anti-shudder performance and enhanced driving comfort
- **Exceptional low temperature viscosity** for improved lubrication during start-up
- **Significantly reduced transmission noise**

## Approvals, Specifications and Recommendations

### Performance Level:

- BMW Mini Cooper EZL 799 / EZL 799A / ZF CVT V1 / 83 22 0 136 376/ 83 22 0 429 154
- Chery CVT
- Daihatsu AMMIX CVTF DFE, CVT Fluid DC, CVT Fluid DFC, Fluid TC
- Dodge/Jeep/Chrysler NS-2, CVT+4
- Fujijyuuko i-CVTF FG
- GM/Saturn DEX-CVT, GM 1940713, 1940714, CVTF I-Grenn2
- Honda HMMF (without starting clutch), HCF2, Z-1 (without starting clutch), CVT (without starting clutch),
- Hyundai/Kia CVT-1, SP III (CVT model)
- Idemitsu CVTF-EX1
- Lexus Fluid TC, Fluid FE
- Mazda JWS 3320
- MG Rover EM-CVT
- Mitsubishi CVTF-J1 (MMC Diaqueen CVT Fluid J1), CVTF-J4 and -J4+ (MMC Diaqueen CVT Fluid J4 and J4+), (Diaqueen) SP-III (CVT model only), CVTF ECO J4
- Nissan Nissan NS-1, NS-2 and NS-3, NS-2V, N-CVT
- Punch CVTF-EX1

- Renault Matic CVT, CVT CK/SK/FK
- Subaru iCVT, iCVT FG, ECVT, Lineartronic chain CVT and CVT II Fluid, K0425Y0710 & K0425Y0711, Lineartronic chain CVT 3 Fluid, Lineartronic High Torque (HT) CVT Fluid, K0421Y0700, CV-30, Subaru NS-2, High Torque CVTF-LV
- Suzuki CVTF TC, CVTF 3320, CVTF 4401, Suzuki NS-2, CVT Green 1, CVT Green 2, CVT Green 1V
- Toyota CVTF TC, CVTF FE
- Volvo CVT 4959
- Audi Multitronic, Audi/VW TL 521 16 (G 052 516), Audi/VW TL 521 80 (G 052 180)
- Zotype CVTs

#### e-Mobility claims:

- Ford Escape Hybrid with e-CVT
- Honda iMMD
- Jatco CVT 8 Hybrid
- Mazda SKYACTIVE-HYBRID
- Nissan Altima Hybrid
- Toyota THSII/ Toyota Prius

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 <sup>3</sup>        | 0.850          |
| Kinematic Viscosity @100°C  | ASTM D 445  | mm <sup>2</sup> /s (cSt) | 7.1            |
| Kinematic Viscosity @40°C   | ASTM D 445  | mm <sup>2</sup> /s (cSt) | 33             |
| Viscosity Index             | ASTM D 2270 | -                        | 185            |
| Brookfield Viscosity @-40°C | ASTM D 2983 | mPa.s (cP)               | 9500           |
| Pour Point                  | ASTM D 97   | °C                       | -45            |
| Flash Point COC             | ASTM D 92   | °C                       | 216            |

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](http://www.pli-petronas.com)

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