



# PETRONAS Tutela Axle 500

## SAE 75W-90

Designed to be the Fluid Technology Solution of choice providing improved protection for axle and final drive systems

### Description and Applications

PETRONAS Tutela Axle 500 is a premium semi synthetic axle fluid delivering optimized load carrying performances and component durability for today's axles, differentials and final drives over their standard service life. Suitable in a wide range of operating temperatures, it's recommended in transmissions requiring API GL-5.

### Benefits

PETRONAS Tutela Axle 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 Axle Life** driven by:
  - o Enhanced anti-wear, Extreme Pressure (EP), anti-pitting resistance to extend components life
  - o Enhanced thermal and oxidation stability under high temperature, providing viscosity stability and preventing formation of deposits and sludge to prolong oil life

Provides excellent Driving Experience through:

- **Excellent low temperature viscosity** for improved lubrication during start-up in cold conditions

### Approvals, Specifications and Recommendations

#### Specifications:

- API GL-5
- MIL PRF 2105D
- Bosch TE-ML 08
- ZF TE-ML 07A, 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 <sup>3</sup>	0.905
Kinematic Viscosity @100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	16.1
Kinematic Viscosity @40°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	106
Viscosity Index	ASTM D 2270	-	160
Brookfield Viscosity @-40°C	ASTM D 2983	mPa.s (cP)	130000
Pour Point	ASTM D 97	°C	-42
Flash Point COC	ASTM D 92	°C	204

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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