

# Product Data Sheet

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PETRONAS

# PETRONAS Tutela Axle 300 LS SAE 80W-90

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

## Description and Applications

PETRONAS Tutela Axle 300 LS is a high-quality axle fluid delivering optimized load carrying performances, friction coefficient and component durability for today's limited slip axles, differentials and final drives over their standard service life. It's recommended in transmissions requiring API GL-5 with or without LS.

PETRONAS Tutela Axle 300 LS meets the requirement of ZF and other OEMs limited slip axles.

## Benefits

PETRONAS Tutela Axle 300 LS protects your Business Profits and your Vehicle Availability while reducing your operating costs, through longer axle life, driven by:

- Anti-wear, Extreme Pressure (EP), anti-pitting resistance to extend components life
- Good thermal and oxidation stability to prevent formation of deposits and sludge
- Good anti-rust and corrosion protection

Provides excellent Driving Experience through:

- Good low temperature fluid flow performance
- Optimal friction coefficient to ensure limited slip differential operating even under severe conditions, preventing stick and slip, noise and vibrations
- Significantly reduced axle noise

## Approvals, Specifications and Recommendations

PETRONAS Tutela Axle 300 LS is a high-quality lubricant that meets and exceeds below performances:

### Approvals and Specifications:

- API GL-5
- ZF TE-ML 05C, 12C, 16E, 21C

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>	0.900
Kinematic Viscosity @100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	13.8
Viscosity Index	ASTM D 2270	-	100
Pour Point	ASTM D 97	°C	-27
Brookfield Viscosity @-26°C	ASTM D 2983	mPa.s (cP)	
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 refer to product SDS or contact us at: [www.pli-petronas.com](http://www.pli-petronas.com)

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