

## Product Data Sheet

Revised: 2022/12/22 (version 4.2)



# PETRONAS Tutela Axle 300

## SAE 80W-90

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

### Description and Applications

PETRONAS Tutela Axle 300 is a high-quality axle fluid delivering optimized load carrying performances and component durability for today's axles, differentials and final drives over their standard service life. It's recommended in transmissions requiring API GL-5.

### Benefits

PETRONAS Tutela Axle 300 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
- Significantly reduced axle noise

### Approvals, Specifications and Recommendations

#### Specifications:

- API GL-5
- MIL PRF-2105D

#### Approvals:

- ZF TE-ML 05A, 07A, 08, 12E, 16B, 19B, 21A

#### Performance Level:

- FCA 9.55550-DA2
- IVECO 18-1805 Class RAM 1, RAM 1/A
- MAN 342 Type M1, Type M2
- NATO O-226

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>	0.895
Kinematic Viscosity @100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	14.6
Kinematic Viscosity @40°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	138
Viscosity Index	ASTM D 2270	-	104
Pour Point	ASTM D 97	°C	-30
Brookfield Viscosity @-26°C	ASTM D 2983	mPa.s (cP)	130000
Flash Point COC	ASTM D 92	°C	210

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)

## **Important Note**

The word PETRONAS, the PETRONAS logo and such other related trademarks and/or marks used herein are trademarks or registered trademarks of PETRONAS Lubricants International Sdn. Bhd. ("PLISB"), or its subsidiaries or related Holding Corporation under license unless indicated otherwise. The data sheet and the information contained herein is believed to be accurate as of the date of printing. PLISB makes no express or implied representation or warranties as to its accuracy or completeness or information in or any transaction performed. The PLI Documents information provided is based on standard tests under laboratory conditions and is given only as a guide. Users are advised to ensure that they refer to the latest version of these PLI Documents. It is the responsibility of the users to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations imposed by the respective local authorities.

Safety Data Sheets are available for all our products and should be only be consulted for appropriate information regarding storage, safe handling and disposal of the product. No responsibility shall be taken by either PLISB or its subsidiaries and related holding corporation for any loss or injury or any direct, indirect, special, exemplary, consequential damages or any damages whatsoever, whether in action of contract, negligence or other tortious action, in connection or resulting from abnormal use of the materials and/or information, from any failure to adhere to recommendations, or from hazards inherent in the nature of the materials and/or information. All products, services and information supplied are under our standard conditions of sale. Please consult with any of our local representative in the event you require any further information.

Code: 76630