



PETRONAS Tutela ATF 900 HD

Designed to be the Fluid Technology Solution of choice providing max protection and max oil life for automatic transmissions

Description and Applications

PETRONAS Tutela ATF 900 HD is a top tier fully synthetic Automatic Transmission Fluid for buses, coaches and commercial vehicles, delivering extended drain intervals and total protection even in most severe conditions for today's automatic transmissions.

PETRONAS Tutela ATF 900 HD is approved for MAN, Voith and ZF automatic transmissions.

Benefits

PETRONAS Tutela ATF 900 HD maximizes your Business Profits and your vehicle availability while significantly reducing your operating costs through:

- **Exceptional transmission protection under severe operating conditions**
- **Maximum Drain Interval (up to 180.000 km) and Transmission Life** driven by:
 - o Outstanding thermal and oxidative resistance providing viscosity stability, preventing deposits, to extend the fluid life and decrease service costs
 - o Higher shear stability for a constant film strength and effective lubrication during the oil service life to protect all moving parts
 - o Excellent anti-wear, gear and bearing protection under severe conditions 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

Provides outstanding Driving Experience through:

- **Superior friction durability** for superior anti-shudder performance and enhanced driving comfort
- **Exceptional low temperature viscosity** for improved lubrication during start-up and shifting comfort in cold conditions
- **Significantly reduced transmission noise**

Approvals, Specifications and Recommendations

Approvals:

- IVECO 18-1807 Class AG3/VIII
C.T.R. Nr. I008.I21
- MAN 339 Type V3, Z3, Z12
- Voith 150.014524.xx
- Volvo 97340
- Volvo 97341
- ZF TE-ML 04D, 05L, 14C, 16M, 16S, 20C, 25C

Performance level:

- MAN 339 Type V2
- MB 236.81
- Voith H55.6336.xx
- IVECO 18-1807 Class AG3/I

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
Color	-	-	Red
Density @15°C	ASTM D 4052	g/cm ³	0,842
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	7,3
Kinematic Viscosity @40°C	ASTM D 445	mm ² /s (cSt)	39
Viscosity Index	ASTM D 2270	-	154
Brookfield Viscosity @-40°C	ASTM D 2983	mPa.s (cP)	12200
Pour Point	ASTM D 97	°C	-54
Flash Point COC	ASTM D 92	°C	240

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

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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.

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