

# Technical Data Sheet

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# PETRONAS TUTELA MULTI TSM BIO 10W-30



## Description and Applications

PETRONAS Tutela MULTI TSM BIO 10W-30 is a biodegradable multi-functional oil (U.T.T.O.) suitable for use in traditional tractor gearboxes, CVT, Power-Shift and Shuttle-Shift gearboxes, rear transmissions with wet brakes, side final drives, wheel final drives, differentials, hydraulic systems, drive pulley, mechanical and hydrostatic drives, and power steering units. Specifically developed with NEW HOLLAND and CASE IH to provide high transmission performances thanks to its unique environmentally friendly formulation.

## Approvals, Specifications and Recommendations

### Specifications:

- API GL-4

### Approvals:

- NH 410 BS

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>	0.930
Kinematic Viscosity @ 100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	10.4
Kinematic Viscosity @ 40°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	57
Viscosity Index	ASTM D 2270	--	172
CCS Viscosity @ -25°C	ASTM D 5293	mPa.s (cP)	4400
Pour Point	ASTM D 97	°C	< -40
Flash Point COC	ASTM D 92	°C	238
Foam @ 24°C	ASTM D 892	cc/s	Traces/0

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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