

Technical Data Sheet

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PETRONAS TUTELA HYDROSYSTEM 46 AW



PETRONAS

Description and Applications

PETRONAS Tutela HYDROSYSTEM 46 AW is premium performance anti-wear hydraulic fluids specially developed for a wide range of modern mobile and industrial hydraulic equipment operating under normal to extremely heavy-duty conditions including latest high speed and high-pressure systems. Developed with NEW HOLLAND and CASE/CASE IH for agricultural machinery in general and construction equipment.

Approvals, Specifications and Recommendations

Specifications:

- ISO VG 46
- DIN 51524 Part II HLP
- ISO 11158 HM

Approvals:

- CNH MAT 3529-B

Performance level:

- CNH MAT 3508-B
- NH 646 A
- CASE MS 1216
- BOSCH Rexroth RDE 90235
- EATON 03-401-2010/E-FDGN-TB002-E
- Fives Cincinnati P-68/P-69/P-70
- Parker Denison HF-0/HF-1/HF-2

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 ³	0.864
Kinematic Viscosity @ 40°C	ASTM D 445	mm ² /s (cSt)	48
Viscosity Index	ASTM D 2270	--	109
TAN	ASTM D 664	mgKOH/g	0.67
Pour Point	ASTM D 97	°C	-39
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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