

Technical Data Sheet

Revised: 2023/12/21 (version 1.2)



PETRONAS

PETRONAS Urania LD9 10W-40

Description and Applications

PETRONAS Urania LD9 10W-40 is a synthetic low SAPS engine oil developed, in co-engineering with IVECO and FPT, based on a technology capable to meet ACEA E7, E9 and E11, to offer high performance and enhanced protection for the engine. Its particular formulation is obtained as a result of thousands of hours of laboratory, bench and road tests.

PETRONAS Urania LD9 10W-40 is suitable for Euro V and Euro VI engines fitted with HI-eSCR system, common rail injection, particulate filter and variable geometry turbine. Also suitable for IVECO Daily CNG, where indicated. Its new low SAPS formulation offers improved wear protection and thermal stability, high protection for the particulate filter against combustion residues and it's backward compatible with previous generation API CJ-4.

Approvals, Specifications and Recommendations

Specifications

- ACEA E11, E7
- API CK-4, CJ-4

Approvals

- IVECO 18-1804 TLS CK4 C.T.R. 037.F21
- IVECO 18-1804 TLS E9

Performance Level

- DAF standard drain
- Mack EOS-4.5
- Renault VI RLD-3
- Volvo VDS-4.5

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	--	--	Clear
Density @ 15°C	ASTM D 4052	g/cm ³	0.87
Kinematic Viscosity @ 100°C	ASTM D 445	mm ² /s (cSt)	15.5
Viscosity Index	ASTM D 2270	--	150
Pour Point	ASTM D 97	°C	-39
Flash Point COC	ASTM D 92	°C	224
TBN	ASTM D 2896	mg KOH/g	9.5

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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Code: 71886