

Technical Data Sheet

Revised: 2023/09/15 (version 1.1)



PETRONAS Urania LD7 15W-40

Description and Applications

PETRONAS Urania LD7 15W-40 is a mineral based formulation engine oil developed in co-engineering with IVECO and FPT to offer high performance and protection for the engine. Its particular formulation is obtained as a result of thousands of hours of laboratory, bench and road tests.

PETRONAS Urania LD7 15W-40 is suitable for Euro III, Euro IV and Euro V engines and satisfies the requirements of both SCR and EGR technology engines. Fully backward compatible with previous E7-16 classification.

Approvals, Specifications and Recommendations

Specifications

- ACEA E7
- API CI-4

Approvals:

- IVECO 18-1804 T2 E7 C.T.R. Nr I517.F06
- Cummins CES 20078
- Deutz DQC-III
- Mack EO-N
- DTFR 15B110 (MB 228.3)
- MTU Oil Category 2
- Renault VI RLD-2
- Volvo VDS-3

Performance Level

- CAT ECF-2, ECF-1a
- Cummins CES 20077
- MAN M 3275

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	--	--	B. & C.
Density @ 15°C	ASTM D 4052	g/cm ³	0.885
Kinematic Viscosity @ 100°C	ASTM D 445	mm ² /s (cSt)	14.3
Viscosity Index	ASTM D 2270	--	>140
Pour Point	ASTM D 97	°C	< - 27
Flash Point COC	ASTM D 92	°C	> 210
TBN	ASTM D 2896	mg KOH/g	11.2

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

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 PLI Documents 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: 71519