



PETRONAS Urania 5000 LSE

10W-40

Designed with StrongTech™, engineered with core strength to stay stronger for longer

It's tough out there and getting tougher for your commercial transport business. The world is changing at breakneck speed, throwing an ever-growing, intense set of external challenges and pressures your way. Yet, in the face of all this, you are relied upon to get the job done. The same is true of your truck.

Description and Applications

PETRONAS Urania 5000 LSE 10W-40 is synthetic engine oil formulated with StrongTech™ technology, engineered to stay stronger for longer, forming a uniquely strong fluid film to extend drain intervals and engine life, maximize performance and keep your business and your trucks moving. This helps in extending engine life and reduces the total cost of ownership.

PETRONAS Urania 5000 LSE 10W-40 is low SAPS engine oil suitable for Euro VI and Euro V heavy-duty diesel applications including modern, high-output, low emission engines fitted with emission control system using DPF, SCR, DOC and EGR technologies. It is also suitable for new and old turbocharged and naturally aspirated diesel engines, both on-highway and off-highway, running on high or ultra-low Sulphur diesel and bio-diesel. It can be used where MB 226.9 is recommended. Suitable for OEMs requiring specifications listed below for their CNG vehicles.

Benefits

PETRONAS Urania 5000 LSE 10W-40 enhances your Business Profits and your vehicle availability while significantly reducing your operating costs through:

- **Maintains oil at optimal viscosity levels, delivering optimal lubrication to prevent unplanned breakdowns.**
- **Longer Drain Interval and Engine Life** driven by:
 - o Excellent control in deposit build ups, delivering optimum fleet's engine performance
 - o Keeps the acidic level under control, preventing corrosion and increasing the durability and the life of your engine
 - o Longer oil drain capability, especially on low emission engines.
 - o Outstanding protection for emission after-treatment systems such as DPF and DOC with low ash formulation

Provides outstanding Driving Experience through:

- **Effectively combats high concentration of soot build ups, critical to prevent loss of vehicle horsepower**

Approvals, Specifications and Recommendations

Specifications:

- API CI-4
- ACEA E6, E7
- JASO DH-2

Approvals:

- MB-Approval 228.51
- Mack EO-N
- Renault RLD-2
- Volvo VDS-3

Performance Level:

- Cummins CES 20077/20076
- Deutz DQC IV-10 LA
- MAN M3477, M3271-1
- MTU Type 3.1

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	0.861
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	14.4
Viscosity Index	ASTM D 2270	-	156
Flash Point COC	ASTM D 92	°C	238
TBN	ASTM D 2896	mgKOH/g	9.95
Pour Point	ASTM D97	°C	-42
Foam at 24°C	ASTM D 892	ml	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 refers 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 contains 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 tortuous 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: 71711