

Product Data Sheet

Revised: 2025/05/20 (version 1.0)



PETRONAS Urania Elite Eco 5W-20

Designed with StrongTech™ technology that is trusted to keep engines in excellent condition and extend their service life

I feel confident and trust that my commercial vehicles will perform reliably, no matter the conditions or load. Seeing my customers happy and satisfied makes me proud of what I've achieved

Description and Applications

PETRONAS Urania Elite Eco 5W-20 is a fully synthetic heavy duty engine oil, with stretched fuel economy and extended service interval capabilities, formulated with StrongTech™ technology, that forms a uniquely strong fluid film to protect the engine, retain performance and keep trucks running and available for longer periods. This helps to reduce the total cost of ownership.

Low SAPS oil, suitable for Euro VId heavy duty diesel applications including modern, high-output, low emission engines fitted with emission control systems using DPF, SCR, DOC and EGR technologies.

Approved MAN and Scania, specifically developed for Volvo and Renault modern high-output, low emission Trucks and Buses.

PETRONAS Urania Elite Eco 5W-20 replaces Urania 5000 Eco 5W-20.

Enhance your vehicle's performance by pairing PETRONAS Urania with PETRONAS Tutela fluids

Benefits

Contributes significantly to reducing your operating costs through:

- **Extended Drain Interval and Engine Life** driven by exceptional thermal and oxidation stability under high temperature, providing viscosity stability and preventing formation of deposits and sludge to prolong oil life even under severe conditions
- **Outstanding Fuel Economy** thanks to its low viscosity
- **Outstanding protection for emission after-treatment systems** such as DPF and DOC with low ash additive system
- **Effectively combats high concentration of soot build ups, critical to prevent loss of vehicle horsepower**
- **Improved lubrication during start-up** thanks to its optimal low temperature viscosity
- **Optimal viscosity levels and lubrication during service life, to prevent unplanned breakdowns**
- **Better fluid film resistance under severe mechanical stress to deliver enhanced engine durability**

Approvals, Specifications and Recommendations

Approvals:

- MAN M3977
- Scania LDF-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	-	-	Bright & Clear
Density @15°C	ASTM D 4052	g/cm ³	0.859
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	8.2
Viscosity Index	ASTM D 2270	-	145
Flash Point COC	ASTM D 92	°C	> 210
TBN	ASTM D 2896	mgKOH/g	13
CCS at -30°C	ASTM D5293	mPa·s	6500
Pour Point	ASTM D 97	°C	-42

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.