

## Product Data Sheet

Revised: 2025/11/26 (version 1.2)



# PETRONAS Urania Prime Long Drain 5W-30

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 Prime Long Drain 5W-30 is a fully synthetic heavy duty engine oil, with 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.

Suitable for all types of heavy-duty diesel applications including high-output Euro V engines fitted with emission control systems using EGR technology and most using SCR NOx reduction systems. 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 biodiesel.

Approved Daimler Truck Fluid Release (DTFR) 15B120, fully backward compatible and suitable for use for vehicles recommending the previous Daimler MB 228.5 specification.

Fully backward compatible with previous E4-16 classifications.

*PETRONAS Urania Prime Long Drain 5W-30 replaces Urania 5000 F 5W-30.*

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

### Benefits

Contributes to enhance your vehicle availability through:

- **Longer 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
- **Improved Fuel Economy**
- **Keeps the acidic level under control**, preventing corrosion and outstanding protection with high anti-wear properties to protect engines in severe conditions, increasing the durability and the life of your engine
- **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

#### Specifications:

- ACEA E4

#### Approvals:

- DTFR 15B120
- Mack EO-N
- MAN M3277
- Renault RLD-2
- Scania LDF-3
- Volvo VDS-3

#### Performance Level:

- Cummins CES 20077, 20076
- Deutz DQC IV-18
- DAF Extended Drain\*  
\*DAF Rapido Service system required
- Ford WSS-M2C212-A1
- IVECO 18-1804 Class TFE
- MB 228.5
- MTU Oil Category 3

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 <sup>3</sup>        | 0.856          |
| Kinematic Viscosity @100°C | ASTM D 445  | mm <sup>2</sup> /s (cSt) | 11.7           |
| Viscosity Index            | ASTM D 2270 | -                        | 168            |
| Flash Point COC            | ASTM D 92   | °C                       | > 220          |
| TBN                        | ASTM D 2896 | mgKOH/g                  | 15             |
| CCS at -30°C               | ASTM D5293  | mPa·s                    | 6000           |
| 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](http://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.