



# PETRONAS Urania 3000 E

## 15W-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 3000 E 15W-40 is a premium 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 3000 E 15W-40 is suitable for all types of heavy-duty diesel applications including modern, high-output, low emission engines fitted with emission control system using EGR technology. 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.

### Benefits

PETRONAS Urania 3000 E 15W-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 Optimal protection with high anti-wear properties to protect engine in severe conditions
  - o Keeps the acidic level under control, preventing corrosion and increasing the durability and the life of your engine
  - o Longer oil drain, especially on low emission engines.

Provides outstanding Driving Experience through:

- **Effectively combats high concentration of soot build ups, critical to prevent loss of vehicle horsepower**
- **Good low temperature viscosity for improved lubrication during start-up**

### Approvals, Specifications and Recommendations

#### Specifications:

- API CI-4 Plus, SL/SJ
- ACEA E7
- Global DHD-1
- JASO DH-1

#### Performance Level:

- CAT ECF-2, ECF-1a
- Cummins CES 20078/77
- Detroit Diesel DSF 93K215
- Deutz DQC III
- DTFR 15B110 (MB 228.3)
- MAN M3275
- Mack EO-N
- Renault VI RLD-2
- Volvo VDS-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>        | 0.877          |
| Kinematic Viscosity @100°C | ASTM D 445  | mm <sup>2</sup> /s (cSt) | 13.4           |
| Viscosity Index            | ASTM D 2270 | -                        | 132            |
| Flash Point COC            | ASTM D 92   | °C                       | > 230          |
| TBN                        | ASTM D 2896 | mgKOH/g                  | 13.2           |
| Pour Point                 | ASTM D 97   | °C                       | - 39           |
| CCS -20°C                  | ASTM D5293  | mPa*s (cP)               | 6110           |

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](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 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: 71659