



# PETRONAS Urania Elite Long Drain 10W-40

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 Long Drain 10W-40 is a synthetic technology heavy duty engine oil, with 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 VI and Euro V heavy duty diesel applications including modern, high-output, low emission engines fitted with emission control systems using DPF, SCR, DOC and EGR technologies. It is also suitable for older turbocharged and naturally aspirated diesel engine generations, both on-highway and off-highway, running on high or ultra-low Sulphur diesel and biodiesel (*always refer to your user's manual*).

Suitable for CNG vehicles where specifications listed in this document are recommended.

Approved Daimler Truck Fluid Release (DTFR 15C110 and 15C120), fully backward compatible and suitable for use for vehicles recommending the previous Daimler MB 228.51 and 228.52 specification.

Fully backward compatible with previous E6-16, E7-16 and E9-16 classifications.

*PETRONAS Urania Elite Long Drain 10W-40 replaces Urania 5000 LS 10W-40 and Urania 5000 LSE 10W-40*

**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 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 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:

- API CK-4, API CJ-4
- ACEA E8, E7, E11
- JASO DH-2

### Approvals:

- DTFR 15C110
- DTFR 15C120
- Mack EOS-4.5
- MAN M3775
- Renault RLD-3
- Volvo VDS-4.5

### Performance Level:

- CAT ECF-3
- Cummins CES 20086, CES 20081
- Detroit Diesel DFS93K222/218
- Deutz DQC IV-18 LA
- DAF PSQL 2.1E LD\* \*DAF Rapido Service system required
- IVECO 18-1804 Class TLS E9
- IVECO 18-1804 Class TLS CK4
- MAN M3477
- MB 228.51, MB 228.52, MB 228.31
- MTU Oil Category 3.1
- Scania Low Ash
- Volvo VDS-4

## Typical Physical Data

Parameters	Method	Unit	Typical Value
Appearance	-	-	Bright & Clear
Density @15°C	ASTM D 4052	g/cm <sup>3</sup>	0.869
Kinematic Viscosity @100°C	ASTM D 445	mm <sup>2</sup> /s (cSt)	15
Viscosity Index	ASTM D 2270	-	149
Flash Point COC	ASTM D 92	°C	> 220
TBN	ASTM D 2896	mgKOH/g	10
CCS at -25°C	ASTM D5293	mPa·s	6200
Pour Point	ASTM D 97	°C	-39

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)

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