



PETRONAS

Technical Data Sheet

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PETRONAS Urania 3000 15W-40

APPLICATIONS

Engine oil 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 bio-diesel.

Note: Always consult your owner's manual to check recommended viscosity grade and specifications for your particular vehicle.

SPECIFICATIONS & APPROVALS*

Meets or Exceeds the requirements of:	API CI-4 Plus, ACEA E7, Global DHD-1
Has the following builder approvals:	Mack EO-N
	Renault VI RLD-2
	Volvo VDS-3
Meets or Exceeds the following builder requirements:	CAT ECF-2/ECF-1a
	Cummins CES 20078/77/76/72/71
	Detroit Diesel DFS93K214
	MAN M3275
	MB-Approval 228.3
	MTU Type 2

* All technical data is provided for reference only.

TYPICAL PHYSICAL DATA**

Parameters	Method	Unit	Typical Value
Appearance	-	-	B&C
Density 29.5°C	ASTM D 4052	g/cm ³	0.872
Viscosity at 100°C	ASTM D 445	cSt	14.7
Viscosity Index	ASTM D 2270	-	137
Flash Point C.O.C	ASTM D 92	°C	224
Sulphated Ash	ASTM D874	%	1.35
TBN	ASTM D 2896	mg KOH/g	11.0
Pour Point	ASTM D 97	°C	-39

** These characteristics are typical of current production. Whilst future production will conform to PLI's specification, variations in these characteristics may occur.

FEATURES & BENEFITS

- Maintains oil at optimal viscosity levels, delivering optimal lubrication to prevent unplanned breakdowns.
- Excellent control in deposit build ups, delivering optimum fleet's engine performance
- Effectively combats high concentration of soot build ups, critical to prevent loss of vehicle horsepower
- Reduces acidic levels leads to corrosion, making your fleet engines more durable and longer life.
- Longer oil drain capability, especially on low emission engines.

OIL TYPE

- Mineral

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

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