

**PETRONAS**

PETRONAS Urania 5000 F

5W-30

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 5000 F 5W-30 is a fully synthetic 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 5000 F 5W-30 is suitable for all types of heavy-duty diesel applications including modern and high-output engines. 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.

PETRONAS Urania 5000 F 5W-30 is 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 and E7-16 classifications.

Benefits

PETRONAS Urania 5000 F 5W-30 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.**
- **Improved Fuel Economy**
- **Longer Drain Interval and Engine Life** driven by:
 - o Excellent control in deposit build ups, delivering optimum fleet's engine performance
 - o Keeps the acidic level under control, preventing corrosion and increasing the durability and the life of your engine
 - o Outstanding protection with high anti-wear properties to protect engine in severe conditions
 - o Longer oil drain capability

Provides outstanding Driving Experience through:

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

Approvals, Specifications and Recommendations

Specifications:

- ACEA E7, E4

Approvals:

- Cummins CES 20077
- Deutz DQC IV-18
- DTFR 15B120
- Mack EO-N
- MAN M3277
- MTU Oil Category 3
- Renault RLD-2
- Scania LDF-3
- Volvo VDS-3

Performance Level:

- Cummins CES 20076
- DAF Extended drain*
- * DAF Rapido Service system required
- Ford WSS-M2C212-A1
- IVECO 18-1804 Class TFE
- Voith Retarder Oil-Class B

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	0.858
Kinematic Viscosity @100°C	ASTM D 445	mm ² /s (cSt)	12.0
Viscosity Index	ASTM D 2270	-	165
Flash Point COC	ASTM D 92	°C	> 220
TBN	ASTM D 2896	mgKOH/g	15
CCS at -25°C	ASTM D 5293	mPa·s	6400
Pour Point	ASTM D 97	°C	- 45

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

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