

## PRODUCT DATA SHEET

### TURBOMASTER VSD

Petromin Turbomaster VSD 5W-30 is fully synthetic ultra-high performance diesel engine oil (UHPD) and formulated to conform to ACEA, API & original equipment manufacturers performance standards for modern heavy duty diesel engines. It is designed to offer fuel saving performance across a range of modern heavy-duty diesel engines over extended drain intervals.

For all commercial and industrial vehicles with diesel engines. This oil has been developed in order to meet the advanced technological standards and market requirements of extended drain intervals, advanced engine protection and exceptional savings on the fuel.

#### BENEFITS

- Absolute protection during oil change intervals that may exceed 150,000 Kms
- Advanced additive technology offers fuel saving performance over extended drain intervals, helping reduce operating costs, beside keep engine clean.
- Robust anti-wear additives offer increased engine protection and reduced maintenance downtime
- High performance formulation promotes bore polishing protection and increased vehicle uptime
- Protects against high temperature oil thickening under adverse and demanding driving conditions
- Formulated to offer robust corrosion protection to bearings, helping increase engine service life.
- Good foam suppression performance aids reliable lubrication and component protection
- Delivers unsurpassed levels of protection across a variety of driving conditions and temperatures.

#### SPECIFICATIONS & APPROVALS

Petromin Turbomaster K has the following Builder Approvals:

- API CF

Petromin Turbomaster K meets or exceeds the requirements of:

- ACEA E4/E7
- MB 228.5
- Scania LDF-3
- VOLVO VDS-3
- MTU Type 3
- MAN M 3277
- MACK EO-N
- DAF Extended Drain
- RVI RLD, RLD-2, RXD & RD-2
- Deutz DQC III-10
- IVECO 18-1804 TFE



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### APPLICATIONS

- Recommended for use in all diesel engines vehicles including heavy duty truck and bus operations, especially where extended drains are required. The oil is backwards compatible for older engines.
- Diesel engines meeting Euro I, II, III, IV & V emission requirements and engines running under severe operating conditions. Suitable for use with NOx reduction systems.
- For the correct oil drain intervals, the relevant engine manual of the manufacturer must be consulted.

### PRODUCT CHARACTERISTICS\*

PROPERTIES	UNITS	VALUE	TEST METHOD
SAE GRADE	-	<b>5W-30</b>	-
Specific Gravity @ 15 °C	-	0.855	ASTM D-4052
Viscosity @ 40 °C	mm <sup>2</sup> /s	71.8	ASTM D-445
Viscosity @ 100 °C	mm <sup>2</sup> /s	12.12	ASTM D-445
Viscosity Index	-	167	ASTM D-2270
Flash Point, COC	°C	228	ASTM D-92
Base Number	mg KOH/g	15	ASTM D-2896
Pour Point	°C	-42	ASTM D-97
Product Code	-	<b>5430</b>	-

\*The information and figures given here are typical of current production and conform to specification, minor variations may occur.

