

## PRODUCT DATA SHEET

### TURBOMASTER PLUS

Petromin Turbomaster Plus is ultra-high performance diesel engine oil designed to meet the most severe performance requirements of the latest high output, low emission European diesel engines. It is formulated with special base oils having a higher viscosity index. The excellent cold start behavior ensures an optimal lubrication safety in the cold running phase.

#### BENEFITS

- Outstanding deposit control under high temperature conditions encountered in turbocharged engines.
- Effective detergent additive system minimizes piston crown land deposits which can lead to damaging bore polishing.
- Proven organometallic anti-wear additive reduces wear in severe service by forming an interface layer on all metal contact surfaces, hence reducing wear & maintenance.
- Extended drain periods due to high temperature stability which minimizes degradation, sludge formation and oil thickening, consequently longer drain Intervals.
- High shear-stable Viscosity Index improver maintains oil viscosity in the high temperature ring belt area.
- Low volatility of synthetic fluids reduces oil evaporation.
- Fuel economy and long drain periods with the appropriate Diesel Fuel Sulphur content
- Oil is backward compatible with older generations of diesel engines.

#### SPECIFICATIONS & APPROVALS

Petromin Turbomaster Plus has the following Builder Approvals:

- API CI-4
- MB 228.51
- MAN M 3477

Petromin Turbomaster Plus meets or exceeds the requirements of:

- ACEA E6/E7-12
- MB 226.9
- MAN M 3271-1
- VOLVO VDS-3
- MTU Type 3.1
- DAF Meet Requirements
- Deutz DQC-III-10 LA
- RVI/Renault RLD-2, RXD & RGD
- CUMMINS CES 20076/77
- MACK EO-N
- JASO DH-2

#### APPLICATIONS

- Naturally aspirated and turbocharged high speed, four-stroke diesel engines.
- All automotive diesel engines.
- High-speed diesel engines.
- Commercial road transport in light, medium and heavy-duty service.
- Off-highway vehicles.
- All construction and earthmoving equipment.



**PRODUCT DATA SHEET****PRODUCT CHARACTERISTICS\***

PROPERTIES	UNITS	VALUE	TEST METHOD
<b>SAE GRADE</b>	-	<b>10W-40</b>	-
Specific Gravity @ 15 °C	-	0.858	ASTM D-4052
Viscosity @ 40 °C	mm <sup>2</sup> /s	96.26	ASTM D-445
Viscosity @ 100 °C	mm <sup>2</sup> /s	14.46	ASTM D-445
Viscosity Index	-	156	ASTM D-2270
Flash Point, COC	°C	238	ASTM D-92
Base Number	mg KOH/g	10.3	ASTM D-2896
Sulphated Ash	%wt.	0.95	ASTM D-874
Pour Point	°C	-39	ASTM D-97
<b>Product Code</b>	-	<b>5500</b>	-

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

