

## PRODUCT DATA SHEET

### Petromine Turbomaster J (ECO Series)

Petromin Turbomaster J 15W-40 ECO Series is ultra-high performance diesel engine oil designed to meet the most severe performance requirements of the latest high output North American, Japanese, Korean & European diesel engines. It is formulated with higher grade of 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.

#### APPLICATIONS

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

#### SPECIFICATIONS & APPROVALS

Petromin Turbomaster J 15W-40 ECO Series meets or exceeds the requirements of:

- API CJ-4/ CI-4+/ CI-4/ SM
- ACEA /E9/ E7
- MB /228.31
- MAN / M 3575
- VOLVO /VDS-4
- MTU /Type 2.1
- DDC /93K218
- Deutz /DQC-III-10-LA
- RVI-Renault /RLD-3
- Cummins /CES 20081
- Mack /EO-O Premium Plus
- JASO /DH-2
- Global /DHD-1
- CAT /ECF-2 & ECF-3



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### PRODUCT CHARACTERISTICS\*

PROPERTIES	UNITS	VALUE	TEST METHOD
SAE GRADE	-	<b>15W-40</b>	-
Specific Gravity @ 15 °C	-	0.862	ASTM D-4052
Viscosity @ 40 °C	mm <sup>2</sup> /s	105.2	ASTM D-445
Viscosity @ 100 °C	mm <sup>2</sup> /s	14.88	ASTM D-445
Viscosity Index	-	146	ASTM D-2270
Flash Point, COC	°C	239	ASTM D-92
Base Number	mg KOH/g	7.6	ASTM D-2896
Sulphated Ash	% wt.	0.9	ASTM D-874
CC S at -20 °C	cP	5500	ASTM D-5293
Pour Point	°C	-39	ASTM D-97
Product Code	-	2890	-

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

