

## Petromin Turbomaster J 15W-40

### ECO Series

#### Description

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

#### Application

- 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

#### Performance Level (Meets)

API	CJ-4/CI-4+/CI-4/SM
ACEA	E9/E7
Daimler Chrysler	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

#### Product Characteristics\*

PROPERTIES	UNITS	VALUE	TEST METHOD
SAE GRADE	-	15W-40	-
Specific Gravity @ 15 °C	-	0.0.862	ASTM D-4052
Viscosity @ 40 °C	mm <sup>2</sup> /s	105.4	ASTM D-445
@ 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
CCS 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.

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