

TURBOMASTER J

Petromin Turbomaster J 15W-40 is an environmentally friendly ultimate-performance multigrade diesel engine oil for used in the most severe on-highway and off-highway applications. It is specially engineered for modern, high-output, low-emission engines including those fitted with exhaust after-treatment system using Diesel Particulate Filter (DPF), Selective Catalyst Regeneration (SCR), Diesel Oxidation Catalyst (DOC) and Exhaust Gas Recirculation (EGR). It delivers exceptional performance for the latest EPA 2007 and Euro V compliance engines as well as older high speed turbocharged or naturally aspirated engines running on ultra-low sulphur or high sulphur diesel fuel. Specially formulated with unconventional base fluids technology and advanced low-ash additive system to ensure excellent control over soot induced wear, high temperature piston deposits, corrosion, foaming and oxidation stability.

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 ECO PRO V meets or exceeds the requirements of:

- API CJ-4/ CI-4+
- MB 228.31

Petromin Turbomaster J meets or exceeds the requirements of:

- ACEA E9-16
- MAN M 3575
- VOLVO VDS-4
- MTU Type 2.1
- DDC 93K218
- Renault RLD-3
- CUMMINS CES 20081
- MACK EO-O Premium Plus
- JASO DH-2
- Global DHD-1
- CAT ECF-2, ECF-3



PRODUCT DATA SHEET

APPLICATIONS

- High performance heavy-duty diesel applications especially the newest low emission engines fitted with DPF, SCR, DOC and EGR technology.
- New and old turbocharged and naturally aspirated diesel engines, both on-highway and off-highway, running on high or ultra-low Sulphur diesel.
- Also applicable for gasoline engine such as pick-up trucks, four wheel drive (4WD) and sport utility vehicles (SUVs).

PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE	TEST METHOD
SAE GRADE	-	15W-40	-
Specific Gravity @ 15 °C	-	0.873	ASTM D-4052
Viscosity @ 40 °C	mm ² /s	111.8	ASTM D-445
Viscosity @ 100 °C	mm ² /s	15.0	ASTM D-445
Viscosity Index	-	138	ASTM D-2270
Flash Point, COC	°C	239	ASTM D-92
Base Number	mg KOH/g	8.0	ASTM D-2896
Sulphated Ash	%wt.	0.9	ASTM D-874
CCS Viscosity @ -20 °C	cP	6100	ASTM D-5293
Pour Point	°C	-39	ASTM D-97
Product Code	-	4210	-

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

