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TECHNICAL DATA SHEET

PEARL OIL TITARA HD SAE MONOGRADE SERIES

SAE 10 • 20 • 30 • 40 • 50 • 60 • 70 | 16L / 20L

TITARA HD SAE MONOGRADE SERIES is formulated for heavy-duty diesel engines operating under high load and elevated temperature. It forms a durable lubricating film to help reduce wear, control soot and deposits, and maintain viscosity stability during severe service. Its detergent-dispersant and oxidation-control performance supports piston cleanliness, reliable lubrication and extended engine durability in on-road and off-road applications.

MEETS & EXCEEDS

- API CF/SF

TDS - TYPICAL TECHNICAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
SAE 10 - Density @15°C	ASTM D4052	0.860 - 0.870 g/cm ³
SAE 10 - Kinematic Viscosity @100°C	ASTM D445	5.5 cSt
SAE 10 - Viscosity Index	ASTM D2270	Min. 100
SAE 10 - Flash Point	ASTM D92	Min. 220 °C
SAE 10 - Pour Point	ASTM D97	Max. -18 °C
SAE 30 - Density @15°C	ASTM D4052	0.875 - 0.885 g/cm ³
SAE 30 - Kinematic Viscosity @100°C	ASTM D445	9.3 - 12.5 cSt
SAE 30 - Viscosity Index	ASTM D2270	Min. 100
SAE 30 - Flash Point	ASTM D92	Min. 225 °C
SAE 30 - Pour Point	ASTM D97	Max. -20 °C
SAE 40 - Density @15°C	ASTM D4052	0.875 - 0.885 g/cm ³
SAE 40 - Kinematic Viscosity @100°C	ASTM D445	12.5 - 16.3 cSt
SAE 40 - Viscosity Index	ASTM D2270	Min. 100
SAE 40 - Flash Point	ASTM D92	Min. 230 °C
SAE 40 - Pour Point	ASTM D97	Max. -25 °C
SAE 50 - Density @15°C	ASTM D4052	0.875 - 0.885 g/cm ³
SAE 50 - Kinematic Viscosity @100°C	ASTM D445	16.3 - 21.9 cSt
SAE 50 - Viscosity Index	ASTM D2270	Min. 100
SAE 50 - Flash Point	ASTM D92	Min. 230 °C
SAE 50 - Pour Point	ASTM D97	Max. -25 °C
SAE 60 - Density @15°C	ASTM D4052	0.880 - 0.890 g/cm ³
SAE 60 - Kinematic Viscosity @100°C	ASTM D445	21.9 - 26.1 cSt
SAE 60 - Viscosity Index	ASTM D2270	Min. 100
SAE 60 - Flash Point	ASTM D92	Min. 240 °C
SAE 60 - Pour Point	ASTM D97	Max. -25 °C
SAE 70 - Density @15°C	ASTM D4052	0.885 - 0.895 g/cm ³
SAE 70 - Kinematic Viscosity @100°C	ASTM D445	26.1 - 30.3 cSt
SAE 70 - Viscosity Index	ASTM D2270	Min. 100
SAE 70 - Flash Point	ASTM D92	Min. 240 °C
SAE 70 - Pour Point	ASTM D97	Max. -27 °C

Typical values are indicative technical properties and are not specification limits.