

TIDAL POWER HPD 10W-30

Synthetic Extra High Performance Diesel Engine Oil

Product Description:

TIDAL POWER HPD 10W-30 is a fully synthetic Extra High Performance Diesel (EHPD) engine oil developed for use in high-output, low emission engines meeting Euro IV & V & US 2007 on-highway exhaust emission standards. TIDAL POWER HPD 10W-30 is formulated with modern additive technology and severely hydro processed base oils to provide outstanding performance and overall protection.

TIDAL POWER HPD 10W-30 has outstanding thermal and oxidative stability that reduces low-temperature sludge build-up, high-temperature deposits and oil thickening. Excellent soot handling capability minimises soot related viscosity increase and leads to longer engine/oil life. Outstanding corrosive and abrasive wear protection extends life of engine components and superior shear stability maintains viscosity in severe high-temperature service and leads to improved wear protection. Exceptional TBN retention resists harmful effects of corrosive exhaust gases and extends oil life and low ash content reduces particulate build-up in Diesel Particulate Filter (DPF) and enhances its life.

TIDAL POWER HPD 10W-30 is applicable for the latest high performance low emission engines including those equipped with DPFs and Exhaust Gas Recirculation (EGR) and meeting Euro IV & V & US 2007 on-highway exhaust emission standards. Also applicable for on-highway vehicles and off-highway equipments operating in severe low speed/heavy load conditions using ultra low (15 ppm) sulphur fuels and for high performance gasoline engines and mixed fleet operations requiring oils meeting API CJ-4 / SM performance levels.

Specifications:

Exceeds: ACEA E9/E7, API CJ-4/SM, Caterpillar ECF 3/ECF 2/ECF 1a, MTU Category 2.1
MAN M 3575, MB 228.31, Volvo VDS-4, Renault VI RLD-3 Cummins CES 20081

Property:	Test Method:	Typical Values:
SAE Viscosity Grade	SAE J300	10W-30
Density @ 15°C	ASTM D4052	873 kg/m ³
Kinematic Viscosity @ 40°C	ASTM D7042	83.8 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D7042	12.2 mm ² /s
Viscosity Index	ASTM D2270	140
Flash Point	ASTM D92	230°C
Pour Point	ASTM D97	-33°C
TBN	ASTM D2896	9 mgKOH/g
Sulfated Ash	ASTM D874	1.0 wt%