

TIDAL POWER HDX 10W-40

Semi-Synthetic Heavy Duty Diesel Engine oil

TIDAL POWER HDX 10W-40 is an extra high performance universal engine oil de-signed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with a Diesel Particulate Filter (DPF).

TIDAL POWER HDX 10W-40 is formulated with high refined solvent mineral and synthetic base stock in combination with a special additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

TIDAL POWER HDX 10W-40 meets the following performance criteria:

Approved	Mack EO-N DTFR 15B110 (MB 228.3)	Volvo VDS-3	Renault RLD-2
Meets	API CI-4 ACEA E7 Caterpillar ECF-1a, ECF-2 MB 229.1H Cummins CES 20077/20078 Mack EO-M+	API SL ACEA A3/B4 Global DHD-1 MTU Type 2 Voith retarder B	DDC 93K215 Deutz DQC-III-10 JASO DH-1 MAN M 3275 Allison TES-439
Pending	MB 235.28		

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	10W-40
Density @15 °C	kg/m ³	ASTM 4052	869.2
Kinematic Viscosity @ 40 °C	mm ² /s	ASTM D7042	98.9
Kinematic Viscosity @ 100 °C	mm ² /s	ASTM D7042	14.5
Viscosity Index		ASTM D2270	151
Viscosity CCS @ -25 °C, amx.	cP	ASTM D5293	6450
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-33
Total Base Number	mgKOH/g	ASTM D2896	11.6
Sulphated Ash	%Wt	ASTM D874	1.5
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