

## TIDAL POWER SHPD 10W-30

### Synthetic MID SAPS Heavy Duty Diesel Engine Oil

**TIDAL POWER SHPD 10W-30** is a fuel saving MID SAPS super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4, Euro-5 and Euro-6 engines equipped with a Diesel Particulate Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

**TIDAL POWER SHPD 10W-30** is formulated with high refined synthetic base stock in combination with an unique 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.
- Complies with strictest European emission regulation.



**TIDAL POWER SHPD 10W-30** meets the following performance criteria:

<b>Approved:</b>	Volvo VDS-4.5	MACK EOS-4.5	
<b>Meets:</b>	API CK-4	ACEA E7/E9	CAT ECF-3
	DFS 93K222	DQC III-10 LA	Cummins CES 20086
	MB 228.31	MTU Type 2.1	Renault VI RLD-3
	Ford M2C171=F1		

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	10W-30
Density @15 °C	kg/m <sup>3</sup>	ASTM 4052	858
Kinematic Viscosity @ 40 °C	mm <sup>2</sup> /s	ASTM D7042	70.7
Kinematic Viscosity @ 100 °C	mm <sup>2</sup> /s	ASTM D7042	11.5
Viscosity Index		ASTM D2270	156
Viscosity CCS @ -25 °C, max	cP	ASTM D5293	7000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-33
Total Base Number	mgKOH/g	ASTM D2896	10.0
Sulphated Ash	%Wt	ASTM D874	1.00
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