

TIDAL POWER SHPD 15W-40

Synthetic MID SAPS Heavy Duty Diesel Engine Oil

TIDAL POWER SHPD 15W-40 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 15W-40 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 15W-40 meets the following performance criteria:

Approved:	Volvo VDS 4.5 Renault RLD-3	Mack EOS-4.5	MB-Approval 228.31
Meets:	API CK-4 Cummins CES 20086 Ford M2C171-F1 MTU Cat 2.1	API SN DFS 93K222 MAN M3575	ACEA E7/E9 DQC III-10-LA CAT ECF-3

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-40
Density @15 °C	kg/m ³	ASTM 4052	862
Kinematic Viscosity @ 40 °C	mm ² /s	ASTM D7042	100.3
Kinematic Viscosity @ 100 °C	mm ² /s	ASTM D7042	14.9
Viscosity Index		ASTM D2270	155
Viscosity CCS @ -20 °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	9.9
Sulphated Ash	%Wt	ASTM D874	1.00
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