

## TIDAL POWER SPECIAL UHPD 10W-40

### Fully Synthetic MID-SAPS Heavy Duty Diesel Engine Oil

**TIDAL POWER SPECIAL UHPD 10W-40** is a fuel conserving super high performance MID SAPS oil, designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and running on low sulphur diesel fuel (max. 50 ppm). This product is formulated for use in Euro 5 and Euro 6 engines equipped with Diesel Particulate Filter (DPF). This product is also suitable for vehicles equipped with EGR and/or SCR after treatment system.

**TIDAL POWER SPECIAL UHPD 10W-40** is formulated on high refined 100% synthetic base stock in combination with an 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 up to 150.000 km.
- Suitable for engines equipped with a Diesel Particulate Filter (DPF).

**TIDAL POWER SPECIAL UHPD 10W-40** meets the following performance criteria:

**Approved:** Volvo VDS-4.5      Mack EOS-4.5      Renault VI RLD-3  
Deutz DQC IV-18 LA

**Meets:** ACEA E4/E6/E7/E9      API CJ-4      MB 228.31/228.51  
MTU Type 3.1/2.1      MAN M3271-1/3477/3575      Cummins CES 20081  
Scania Low-Ash      Detroit 93K218      JASO DH-2  
Deutz DQC IV-10-LA      Mack EO-N premium plus      Renault VI RLD-2  
CAT ECF-3

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	10W-40
Density @15 °C	kg/m <sup>3</sup>	ASTM 4052	862
Kinematic Viscosity @ 40 °C	mm <sup>2</sup> /s	ASTM D7042	92.5
Kinematic Viscosity @ 100 °C	mm <sup>2</sup> /s	ASTM D7042	14.2
Viscosity Index		ASTM D2270	158
Viscosity CCS @ -25 °C, max	cP	ASTM D5293	7000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	12.8
Sulphated Ash	%Wt	ASTM D874	0.98
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