

TIDAL POWER SPECIAL UHPD 5W-30

Synthetic MID-SAPS Heavy Duty Diesel Engine oil

TIDAL POWER SPECIAL UHPD 5W-30 is a fuel conserving super high performance MID SAPS 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 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 systems.

TIDAL POWER SPECIAL UHPD 5W-30 is formulated on high refined 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 up to 150.000 km.
- Fuel conserving.

TIDAL POWER SPECIAL UHPD 5W-30 meets the following performance criteria:

Approved:	Volvo VDS-4.5 DTFR 15C110 (MB 228.51)	MAN M3677 Mack EOS-4.5	Scania LDF-4 Renault VI RLD-3
Meets:	ACEA E4/E7/E8/E11 Deutz DQC IV-18 LA Renault VI RLD-4 IVECO CAT ECF-3 JASO DH-2 DTFR 15C120 (MB 228.52)	API CK-4 MTU Type 3.1 / 2.1 Volvo VDS-4 DDC 93K222 DDC 93K218 PSQL 2.1 E-LD DTFR 15C100 (MB 228.31)	MAN M3777 MAN M3775 MAN M3477 MAN M3271-1 Cummins CES 20086 Cummins CES 20081

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	5W-30
Density @15 °C	kg/m ³	ASTM 4052	854.9
Kinematic Viscosity @ 40 °C	mm ² /s	ASTM D7042	70.3
Kinematic Viscosity @ 100 °C	mm ² /s	ASTM D7042	12.1
Viscosity Index		ASTM D2270	162
Viscosity CCS @ -30 °C	cP	ASTM D5293	6220
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	13.2
Sulphated Ash	%Wt	ASTM D874	0.98
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