

## TIDAL POWER HDX EXTRA 15W-40

### Mineral Heavy Duty Diesel Engine Oil

**TIDAL POWER HDX EXTRA 15W-40** is an extra high performance universal engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions combined with high-Sulphur fuels. Suitable for use through the whole year in Euro-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

**TIDAL POWER HDX EXTRA 15W-40** is formulated with high refined solvent mineral stock in combination with a special additive package to reach the following properties:

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

**TIDAL POWER HDX EXTRA 15W-40** meets the following performance criteria:

<b>Meets:</b>	MB 228.3	Volvo VDS-3	Renault RLD-2	Mack EO-N
	API CI-4/SL	ACEA E7	MAN M 3275	CAT ECF-1a
	JASO DH-1	DCC 93K215	MTU Type 2	
	Deutz DQC-III-10	Global DHD-1		
	Cummins CES 20077, 20078			

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-40
Density @15 °C	kg/m <sup>3</sup>	ASTM 4052	869
Kinematic Viscosity @ 40 °C	mm <sup>2</sup> /s	ASTM D7042	101
Kinematic Viscosity @ 100 °C	mm <sup>2</sup> /s	ASTM D7042	14.5
Viscosity Index		ASTM D2270	147
Viscosity CCS @ -20 °C,	cP	ASTM D5293	4500
Flash Point COC	°C	ASTM D92	>200
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	16
Sulphated Ash	%Wt	ASTM D874	1.5
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