

## TIDAL POWER UHPD 10W-40

### Synthetic Ultra High Performance Diesel Engine Oil

#### Product Description:

TIDAL POWER UHPD 10W-40 is an "Ultra High Performance Diesel" (UHPD) engine oil, formulated with synthetic base stocks and high quality performance additives.

TIDAL POWER UHPD 10W-40 has been especially developed for the lubrication of high speed, high output, turbocharged diesel engines meeting the Euro I, Euro II, Euro III & Euro IV emission requirements. TIDAL POWER UHPD 10W-40 is designed to provide optimal lubrication under all circumstances and to allow significantly extended oil drain intervals according to the manufacturers recommendation.

TIDAL POWER UHPD 10W-40 is suitable for engines without particulate filters and for some EGR engines. TIDAL POWER UHPD 10W-40 can also be used in certain engines fitted with SCR NO<sub>x</sub> reduction systems. TIDAL POWER UHPD 10W-40 can be used with confidence in all low emission heavy duty diesel engines, such as those from Mercedes Benz, Volvo and MAN , even in the most challenging applications.

TIDAL POWER UHPD 10W-40 minimizes engine deposits and provides excellent protection against "Bore Polishing". The composition of the oil reduces oil consumption and contributes to a better fuel economy.

TIDAL POWER UHPD 10W-40 is recommended for numerous Heavy Duty Diesel Engines meeting Euro I, II, III & IV emission requirements and running with extended drain intervals. As recommendations may differ between "Original Equipment Manufacturers" (OEM's) the Driver Manual and/or Dealer shall be consulted if in doubt.

#### Specifications:

Exceeds: ACEA E4/E7, API CI-4, Volvo VDS-3, Renault Trucks RXD/RLD-2, Mack EO-M Plus, DAF Extended Drains, Scania LDF-2, Daimler MB 228.5, MAN M3277, MTU DDC Type 3, Cummins CES 20077/20078

Property:	Test Method:	Typical Values:
SAE Viscosity Grade	SAE J300	10W-40
Kinematic Viscosity @ 40°C	ASTM D7042	89.6 mm <sup>2</sup> /s
Kinematic Viscosity @ 100°C	ASTM D7042	14.0 mm <sup>2</sup> /s
Cranking Viscosity @ -25°C	ASTM D5293	6900 mPa.s
Viscosity Index	ASTM D2270	153
Density @ 15°C	ASTM D4052	868 kg/m <sup>3</sup>
Flash Point (COC)	ASTM D92	226°C
Pour Point	ASTM D97	-39°C
Total Base Number	ASTM D2896	13.1 mg KOH/g
Sulphated Ash	ASTM D874	1.89 wt%