

Semi Synthetic Heavy Duty Diesel Engine Oil

Caretta Tecton HDX 10W-40 E7 A3/B4 is an extra high performance universal semi synthetic engine oil 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-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

Caretta Tecton HDX 10W-40 E7 A3/B4 is formulated with high refined solvent mineral and 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.

Caretta Tecton 15W-40 meets the following performance criteria:

Mack EO-N	Volvo VDS-3	Renault RLD-2
DTFR 15B110 (MB 228.3)	API SL	DDC 93K215
API CI-4	ACEA A3/B4	Deutz DQC-III-10
ACEA E7	Global DHD-1	JASO DH-1
Caterpillar ECF-1a, ECF-2	MTU Type 2	MAN M 3275
MB 229.1H	Voith retarder B	Allison TES-439
Cummins CES		
20077/20078		
Mack EO-M+		
MB 235.28		

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	10W-40
Density @15°C	kg/m ³	ASTM D4052	869.2
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	98.9
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.5
Viscosity Index		ASTM D2270	151
Viscosity CCS @-20°C	cP	ASTM D5293	6450
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-33
Total Base Number	mgKOH/g	ASTM D2896	11.6
Sulphated Ash	%Wt	ASTM D874	1.5