



## DEOTEC UHPD SYNTHETIC / SEMI SYNTHETIC

### PRODUCT DESCRIPTION:

DEOTEC UHPD is a synthetic, high-performance engine oil specifically designed for use in all on-highway diesel heavy-duty applications and is also compatible with most gas engines. Its advanced "mid SAPS" technology, compliant with Euro VI standards, supports extended engine life and ensures the efficiency of after-treatment systems, including Diesel Particulate Filters (DPFs).

### APPLICATION:

Heavy-duty diesel engines including Euro V/VI modern low emissions vehicles, utilizing technologies such as Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR), Continuously Regenerating Traps (CRT), Diesel Oxidation Catalysts (DOC) and Exhaust Gas Recirculation (EGR), heavy-duty diesel engines using low Sulphur diesel fuels and many biodiesel fuel formulations, Naturally Aspirated and Turbo-Charged Diesel Powered Equipment, On-Highway Short-Haul and Long-Haul Trucks and Buses, Off-Highway Mining, Construction and Agriculture Equipment.

### FEATURES & BENEFITS:

- Performs well in low emission diesel engines
- Excellent soot handling capabilities
- Exemplary thermal stability and oxidation control
- Provides anti-wear and anti-scuff capabilities
- Contains extended TBN reserves
- Excellent cold startup
- Has stay-in-grade sheer stability
- Extended drain capabilities

### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CJ-4
- Caterpillar ECF-3
- Volvo VDS-4
- Cummins CES 20081
- Mack EO-O PP
- ACEA E6/E9/E11
- Deutz DQC IV-10 LA
- Renault RLD3
- Scania Low Ash, LDF-4 (5W-30)
- JASO DH-2
- DTFR 15B1101/15C110/235.28
- MAN M3271/M3477/M3575
- MAN M3677/M3691 (5W-30)
- DDC 93K218
- MTU Type 2.1/3.1
- VOITH Class B

### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	DEOTEC UHPD			
			0W-40	5W-40	10W-30	10W-40
Grade			0W-40	5W-40	10W-30	10W-40
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	15	15	11.7	15.4
Viscosity Index (min)	D2270	-	170	160	145	145
Density@15°C/ 60°F	D4052	g/cm <sup>3</sup>	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220	220
Pour Point (max)	D97	°C	-39	-39	-36	-36
TBN	D2896	mg KOH/g	12.84	12.84	12.84	12.84
CCS	D5293	m.Pa.S	<6200 (-35°C)	<6600 (-30°C)	<7000 (-25°C)	<7000 (-25°C)

DISCLAIMER: The test data provided above is for reference purposes and is not a strict specification, as variations within acceptable production tolerances may occur. Phoenix reserves the right to update or revise this test data. For the most accurate and up-to-date information, please consult the latest version of this Technical Data Sheet (TDS).

### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website Phoenixlubricants.com