



## EFORCE XHPD

### SYNTHETIC/SEMI SYNTHETIC

#### PRODUCT DESCRIPTION:

EFORCE XHPD is a synthetic, extra high-performance diesel engine oil engineered to deliver exceptional lubrication for modern, high-performance diesel engines operating in demanding on and off-highway applications. Blended with premium base oils, it offers excellent low-temperature fluidity, high-temperature viscosity retention, volatility control, and improved fuel economy. These base oils are enhanced with an advanced additive system that provides superior control over oil thickening caused by soot buildup and high-temperature oxidation. EFORCE XHPD is formulated to support extended oil drain intervals in modern diesel engines.

#### APPLICATION:

- Naturally aspirated and turbocharged diesel powered engines built by European and Japanese manufacturers
- On-highway light and heavy-duty trucking
- Off-highway industries including: construction, mining, quarrying, and agriculture

#### FEATURES & BENEFITS:

- Helps keep piston rings, piston lands and valves clean, and offers effective soot dispersancy and wear control, optimising engine service life and maintenance costs.
- Latest technology dispersant, detergent, oxidation inhibition, anti-wear, anti-corrosion, viscosity improver, and foam suppression protection.
- Advanced base oil and additive technology helps control oxidation, sludge and oil thickening, offering extended oil drain intervals.

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

• API CI-4	• MAN M3277	• MACK EO-M Plus	• MTU Type 3
• ACEA E7, E4	• Volvo VDS-3	• Cummins CES 20077/78	
• DTFR 15B120	• Scania LDF-2	• Renault RXD/RLD2	

#### OEM Approvals:

- DTFR 15B120 (SAE 10W-40)

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	EFORCE XHPD		
			0W40	5W40	10W40
Grade					
Kinematic Viscosity @ 104°F / 40°C	D7042	cSt	TBR	TBR	TBR
Kinematic Viscosity @ 212°F / 100°C	D7042	cSt	14.9	15	15.2
Viscosity Index (min)	D2270	-	170	160	145
Density@15°C/ 60°F	D4052	g/cm³	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220
Pour Point (max)	D97	°C	-39	-39	-36
TBN	D2896	mg KOH/g	12.5	12.5	12.5
CCS	D5293	m.Pa.S	<6200 (-35°C)	<6600 (-30°C)	<7000 (-25°C)

**DISCLAIMER:** The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internol reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

#### HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at [www.internol.net](http://www.internol.net).

#### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.