



## EFORCE X7

### SEMI SYNTHETIC

#### PRODUCT DESCRIPTION:

EFORCE X7 is a semi-synthetic diesel engine oil engineered to meet the rigorous performance demands of high-powered turbocharged engines from leading automobile manufacturers. This fuel-efficient oil minimizes maintenance costs for machines and engines while providing excellent resistance to oil thickening, as well as carbon, varnish, and sludge deposit formation. EFORCE X7 also helps extend engine life, ensuring consistent and reliable performance.

#### APPLICATION:

Recommended for modern heavy-duty engines, wide range of turbo-charged or naturally aspirated diesel engines as well as all kinds of gasoline engines, generators, trucks, construction cars, passenger cars or mixed car group comprising diesel and gasoline cars. The oil is suitable for high speed, four stroke cycle diesel engines used on heavy-duty applications. This oil is also an excellent choice for mixed fleet services.

#### FEATURES & BENEFITS:

- Extended drain intervals.
- Resists oil thickening and the formation of carbon, varnish and sludge deposits.
- Good viscosity stability.
- Prolonged engine life.
- Properly balanced detergency and dispersancy ensures a clean engine.

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CG-4/SJ
- DTFR 15B110
- ACEA A3/B4
- MAN 3275
- VOLVO VDS
- MTU Type-2
- MACK EO-L
- Allison C4

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	EFORCE X7	
Grade			10W-30	10W-40
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	11.7	15.6
Viscosity Index (min)	D2270	-	145	145
Density@15°C/ 60°F	D4052	g/cm <sup>3</sup>	TBR	TBR
Flash Point (min)	D92	°C	220	220
Pour Point (max)	D97	°C	-36	-36
TBN	D2896	mg KOH/g	9.5	9.5
CCS	D5293	m.Pa.S	<7000 (-25°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.