



EFORCE NEO

SYNTHETIC / SEMI SYNTHETIC / MINERAL

PRODUCT DESCRIPTION:

EFORCE NEO is a premium semi-synthetic heavy-duty diesel engine oil specially formulated to provide extended oil drain intervals. Designed for the toughest on and off-highway applications, it ensures exceptional performance in modern, high-output, low-emission engines equipped with EGR. EFORCE NEO is also fully compatible with advanced exhaust after-treatment systems, including DPF, DOC, and SCR. Its outstanding low-temperature fluidity and pumpability, combined with a state-of-the-art additive system, deliver superior engine wear protection and promote extended engine life.

APPLICATION:

EFORCE NEO is recommended for heavy-duty diesel engines including Euro V/VI modern low emission 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). It is also recommended for High-performance diesel applications including turbo-charged designs featuring EGR technology and diesel applications using older, naturally aspirated conventional designs. On-highway heavy-duty trucking and off-highway including construction, mining, quarrying, and agriculture.

FEATURES & BENEFITS:

- Excellent control of oil thickening due to soot build-up.
- Outstanding TBN retention for long drain intervals.
- Outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear.
- Designed to control aeration exceptionally
- Excellent shear stability
- Improved oxidation stability

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	0W-30	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
API	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN
ACEA 2022	E9/E11	E9/E11	E9/E11	E9/E11	E9/E11	E9/E11	E9/E11
Caterpillar	ECF-3	ECF-3	ECF-3	ECF-3	ECF-3	ECF-3	ECF-3
Volvo	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5	VDS-4.5
Cummins	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086
MB	-	-	228.31	228.31	228.31	228.31	228.31
MAN	M3775	M3775	M3775	M3775	M3775	M3775	M3775
Deutz	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA	DQC III-18 LA
Renault	RLD3	RLD3	RLD3	RLD3	RLD3	RLD3	RLD3
Mack	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5	EOS 4.5
DDC	-	-	93K222	93K222	93K222	93K222	93K222
MTU	-	-	Type 2.1	Type 2.1	Type 2.1	Type 2.1	Type 2.1
FORD	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1	WSS-M2C171-F1


TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	EFORCE NEO						
			0W-30	0W-40	5W-30	5W-40	10W-30	10W-40	15W-40
Grade									
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	11.9	15.1	11.9	15.1	11.8	15.2	15.3
Viscosity Index (min)	D2270	-	160	170	160	160	145	145	135
Density@15°C/ 60°F	D4052	g/cm ³	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Flash Point (min)	D92	°C	220	220	220	220	220	220	220
Pour Point (max)	D97	°C	-39	-39	-39	-39	-36	-36	-33
TBN	D2896	mg KOH/g	8	8	8	8	8	8	8
CCS	D5293	m.Pa.S	<6200 (-35°C)	<6200 (-35°C)	<6600 (-30°C)	<6600 (-30°C)	<7000 (-25°C)	<7000 (-25°C)	< 7000 (-20°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.

PROTECT THE ENVIRONMENT:

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