



E-FORCE PLATINUM

SYNTHETIC / SEMI SYNTH/ETIC / MINERAL

PRODUCT DESCRIPTION:

E-FORCE PLATINUM is a premium heavy-duty engine oil engineered to extend engine life under the most demanding on and off-highway conditions. It delivers exceptional performance in modern, high-output, low-emission engines equipped with EGR, DPF, DOC, and SCR-AdBlue NOx reduction systems. Its superior low-temperature fluidity and pumpability, combined with an advanced additive system, provide outstanding wear protection and contribute to prolonged engine life. E-FORCE Platinum is specifically designed for on-road vehicles compliant with Euro VI standards and off-road vehicles meeting EU Stage IIIA, IIIB, IV, and US Tier 4 emission requirements.

APPLICATION:

E-FORCE PLATINUM is developed for heavy-duty vehicles requiring ACEA E6/E7/E8/E9 and API CK-4 specifications. It exceeds the requirements of the heavy-duty fleet such as Scania, MAN, Mercedes Benz, Cummins, Volvo, IVECO, MTU, and Caterpillar.

FEATURES & BENEFITS:

- Exceptional Soot dispersancy and wear control.
- Optimum DPF (Diesel Particulate Filter) life.
- Exceptional cold start protection.
- Excellent shear stability.
- Improved oxidation stability.
- Best-in-class engine cleanliness.

PERFORMANCE MEET OR EXCEEDS:

SAE GRADES	OW-30	OW-40	5W-30	5W-40	10W-30	10W-40	15W-40	20W-50
API	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN	CK-4/SN
ACEA 2022	E6/E8/ E9/E11	E6/E8/ E9/E11	E6/E8/ E9/E11	E6/E8/ E9/E11	E6/E8/ E9/E11	E6/E8/ E9/E11	E6/E8/ E9/E11	E6/E8/ E9/E11
Caterpillar	ECF-3	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	VDS-4.5
Cummins	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086	CES 20086
MB	-	-	15C110 / 228.52	15C110 / 228.52	15C110 / 228.52	15C110 / 228.52	15C110 / 228.52	15C110 / 228.52
MAN	M3271-1/ M3477/ M3677/ M3775/ M3777	M3271-1/ M3477/ M3575/ M3775	M3271-1/ M3477/ M3677/ M3775/ M3777	M3271-1/ M3477/ M3575/ M3775	M3271-1/ M3477/ M3677/ M3775/ M3777	M3271-1/ M3477/ M3575/ M3775	M3271-1/ M3477/ M3575/ M3775	M3271-1/ M3477/ M3575/ M3775
Deutz	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA	DQC IV-18 LA
Renault	RLD4	RLD4	RLD4	RLD4	RLD4	RLD4	RLD4	RLD4
Scania	Low Ash / LDF-4	Low Ash / LDF-4	Low Ash / LDF-4	Low Ash / LDF-4	Low Ash / LDF-4	Low Ash / LDF-4	Low Ash / LDF-4	Low Ash / LDF-4
Mack	EOS 4.5	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	93K222
MTU	-	-	Type 3.1	-	-	Type 3.1	Type 3.1	Type 3.1
JASO	DH2	DH2	DH2	DH2	DH2	DH2	DH2	DH2



TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	E-FORCE PLATINUM								
			OW-30	OW-40	5W-30	5W-40	10W-30	10W-40	15W-40	20W-50	
Grade											
Kinematic Viscosity @ 104°F /40°C	D7042	cSt	TBR	TBR	TBR	TBR	TBR	TBR	TBR	TBR	TBR
Kinematic Viscosity @ 212°F /100°C	D7042	cSt	11.8	14.9	11.8	15	11.7	15.1	15.1	19.6	
Viscosity Index (min)	D2270	-	160	170	160	160	145	145	135	120	
Density@15°C/ 60°F	D4052	g/cm ³	TBR	TBR	TBR	TBR	TBR	TBR	TBR	TBR	
Flash Point (min)	D92	°C	220	220	220	220	220	220	220	220	
Pour Point (max)	D97	°C	-39	-39	-39	-39	-36	-36	-33	-24	
TBN	D2896	mg KOH/g	10	10	10	10	10	10	10	10	
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)	<9500 (-15°C)	

DISCLAIMER: The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internal 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.internal.net.

PROTECT THE ENVIRONMENT:

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