



EFORCE PLUS

MINERAL

PRODUCT DESCRIPTION:

EFORCE PLUS is a high-performance mineral diesel engine oil designed to optimize engine efficiency in the latest US, European, and Japanese heavy-duty diesel engines, including those used in demanding applications like high loads and multi-trailer operations.

APPLICATION:

Recommended for new advanced diesel powered engines in trucks, marine industries, heavy-duty construction equipment, mining equipment, farm vehicles, passenger cars, operating under severe conditions and subjected to wide variations in climatic conditions, in all types of on-road and off-road service. They are also recommended for gasoline engines in pick-up trucks, sport utility vehicles and mixed fleets.

FEATURES & BENEFITS:

- Fights oil thickening due to its unique additive system, it delivers superior viscosity stability, resulting in better fuel efficiency.
- Prevents piston deposits by minimising harmful deposits, resulting in lower oil consumption.
- Fights contaminants, resulting in longer oil drain intervals.
- Prevents wear and corrosion by providing a robust oil film, enhancing the life of critical engine components
- Formulated with lower levels of Sulphated Ash.
- Phosphorous and Sulphur than conventional oils to maintain the efficiency of exhaust after treatment systems eg. DPf or DPD
- Fights soot abrasive wear, improving engine power all the way through the oil drain

OEM Approvals:

- Volvo VDS-4 (SAE 15W-40)
- Mack EO-O Premium Plus (SAE 15W-40)
- Renault RLD-3 (SAE 15W-40)

API LICENSE:

- SAE 15W-40



PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CJ-4/SM
- ACEA E9/E11
- DTFR 15B1101
- Caterpillar ECF-3
- MAN M3477
- VOLVO VDS-4
- Renault RLD3
- DDC 93K218
- Mack EO-O PP
- Cummins CES 20081
- DEUTZ DQC III-18 LA
- FORD WSS-M2C171-F1

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	EFORCE PLUS	
			15W-40	20W-50
Grade			15W-40	20W-50
Kinematic Viscosity @ 104°F / 40°C	D7042	cSt	TBR	TBR
Kinematic Viscosity @ 212°F / 100°C	D7042	cSt	15.2	19.5
Viscosity Index (min)	D2270	-	135	120
Density@15°C/ 60°F	D4052	g/cm ³	TBR	TBR
Flash Point (min)	D92	°C	220	220
Pour Point (max)	D97	°C	-33	-24
TBN	D2896	mg KOH/g	10	10
CCS	D5293	m.Pa.S	<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. Internalol 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.internalol.net.

PROTECT THE ENVIRONMENT:

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