



EFORCE HT-PLUS

PRODUCT DESCRIPTION:

EFORCE HT-Plus is a versatile and comprehensive heavy-duty engine oil designed to meet the diverse needs of heavy-duty applications across industries such as trucking, mining, construction, quarrying, and agriculture. It provides exceptional protection for the most demanding diesel engines from manufacturers like Caterpillar, Cummins, Detroit, Mack, Mercedes-Benz, Renault, MAN, Navistar, Volvo, and others. EFORCE HT-Plus is recommended for Euro V and VI Volvo engines and off-highway engines meeting EU Stage IV and EPA Tier IV standards, equipped with DPFs and requiring CJ-4/E9-12/VDS-4/Cat ECF-3 lubricants.

ENGINE APPLICATION:

- ACEA E9/11-22
- MTU Type 2.1
- Cummins CES 20081
- Global DHD1
- API CJ-4/CI-4+/CI-4, SN/CF
- Volvo VDS-4
- Caterpillar ECF-2, ECF-3
- JASO DH-2
- Daimler DTFR 15B1101
- Mack EO-O Premium Plus
- Deutz DQC III-10 LA
- MAN M3575
- Renault Trucks RLD3
- DDC 93K218

GEARBOX APPLICATION:

- API: GL-4
- Caterpillar TO-4M/TO-4
- Allison C-4
- ZF TE ML 07D
- Komatsu clutch (TO-40)

HYDRAULIC SYSTEM APPLICATION:

- ISO VG-68 HM
- KOMATSU HO-68
- JCMA HK 68
- Case MS 1230

FEATURES & BENEFITS:

- High thermal and oxidation stability
- Excellent low and high temperature properties
- Reduced sludge build-up
- One oil for mixed fleet operations
- Stay-in-grade shear stability
- Longer gasket and seal life
- Longer drain intervals
- High TBN reserves
- Start-up wear protection

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CJ-4/CI-4+/CI-4
- MAN M3575
- JASO DH2
- Global DHD1
- ACEA E9/11-22
- Volvo VDS-4
- MACK EO-O Premium Plus
- Renault RLD3
- DTFR 15B1101
- Deutz DQC III-10 LA
- Cummins CES 20081
- MTU Type 2.1

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	EFORCE HT-PLUS
Grade			15W-40
Kinematic Viscosity @ 104°F / 40°C	D7042	cSt	TBR
Kinematic Viscosity @ 212°F / 100°C	D7042	cSt	15.5
Viscosity Index (min)	D2270	-	135
Density@15°C/ 60°F	D4052	g/cm³	TBR
Flash Point (min)	D92	°C	220
Pour Point (max)	D97	°C	-33
TBN	D2896	mg KOH/g	11.5
CCS	D5293	m.Pa.S	<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.