



EFORCE PLUS

SEMI SYNTHETIC

PRODUCT DESCRIPTION:

EFORCE PLUS is a high-performance, semi-synthetic, low-emission engine oil, specifically designed for both naturally aspirated and turbocharged 4-stroke diesel and petrol engines. It is suitable for use in on-highway, off-highway, and construction machinery applications. This oil is formulated with advanced additives, including dispersants, detergents, oxidation inhibitors, anti-wear agents, anti-corrosion agents, viscosity improvers, and foam suppressants. It is also recommended for longer drain intervals.

APPLICATION:

It is recommended for 4-stroke naturally aspirated and turbo-charged diesel engines, meeting Euro IV, Euro V, and the newest Euro VI emission requirements where permitted by the OEM and is suitable for use in engines with global after-treatment systems such as Exhaust Gas Recirculation (EGR), Diesel Particulate Filter (DPF), and Selective Catalytic Reduction (SCR).

FEATURES & BENEFITS:

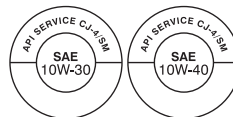
- Helps keep piston rings, piston lands and valves clean, and offers effective soot dispersancy and wear control, optimising engine service life and maintenance costs.
- Latest technology dispersant, detergent, oxidation inhibition, anti-wear, anti-corrosion, viscosity improver, and foam suppression protection.
- Formulated to reduce emission control system cleaning and maintenance, improving Diesel Particulate Filter (DPF) life
- Advanced semi-synthetic base oil and additive technology helps control oxidation, sludge and oil thickening, offering extended oil drain intervals.

OEM Approvals:

- Volvo VDS-4 (SAE 10W-40)
- Mack EO-O Premium Plus (SAE 10W-40)
- Renault Trucks RLD3 (SAE 10W-40)

API LICENSE:

- SAE 10W-30
- SAE 10W-40



PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CJ-4/SN
- 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 | |
|-------------------------------------|-------|-------------------|---------------|---------------|
| | | | 10W30 | 10W40 |
| Grade | | | | |
| Kinematic Viscosity @ 104°F / 40°C | D7042 | cSt | TBR | TBR |
| Kinematic Viscosity @ 212°F / 100°C | D7042 | cSt | 11.7 | 15.1 |
| Viscosity Index (min) | D2270 | - | 145 | 145 |
| Density@15°C/ 60°F | D4052 | g/cm ³ | TBR | TBR |
| Flash Point (min) | D92 | °C | 220 | 220 |
| Pour Point (max) | D97 | °C | -36 | -36 |
| TBN | D2896 | mg KOH/g | 10 | 10 |
| 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.

PROTECT THE ENVIRONMENT:

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