



EFORCE X5

SEMI SYNTHETIC

PRODUCT DESCRIPTION:

EFORCE X5 is a high-performance diesel engine oil designed to meet the demands of high-power engines. It features an advanced active-detergent system that ensures pistons and engine components stay clean, providing superior protection against wear for extended engine life. Additionally, it prevents deposit formation, ensuring efficient engine performance. EFORCE X5 is specially formulated to meet the requirements of diesel engines from manufacturers across the US, Europe, and Japan.

APPLICATION:

Recommended for wide range of turbocharged or naturally aspirated diesel engines, generators, trucks, construction cars, passenger cars or mixed car group comprising diesel and gasoline cars. It is also recommended for automotive diesel engine of passenger cars and light commercial vehicles where the OEM recommends API CF-4 or earlier specification.

FEATURES & BENEFITS:

- Fuel saving and reduces maintenance expenses for machines and engines.
- Very long oil changing period.
- Resists oil thickening and the formation of carbon, varnish and sludge deposits.
- Good viscosity control.
- Prolonged engine life.
- Safeguards the moving parts.
- Keeps engine Clean.

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CF-4/SJ
- MB 228.2
- ACEA E2-96, A3/B3
- MTU Type-2
- MAN 3275-1
- VOLVO VDS
- MACK EO/K2
- CES 20075/74/73

TYPICAL PROPERTIES:

| PARAMETERS | ASTM | UNIT | EFORCE X5 | |
|-------------------------------------|-------|----------|---------------|---------------|
| Grade | | | 10W-30 | 10W-40 |
| Kinematic Viscosity @ 104°F / 40°C | D7042 | cSt | TBR | TBR |
| Kinematic Viscosity @ 212°F / 100°C | D7042 | cSt | 11.7 | 15.6 |
| Viscosity Index (min) | D2270 | - | 145 | 145 |
| Density@15°C/ 60°F | D4052 | g/cm³ | TBR | TBR |
| Flash Point (min) | D92 | °C | 220 | 220 |
| Pour Point (max) | D97 | °C | -36 | -36 |
| TBN | D2896 | mg KOH/g | 9 | 9 |
| 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.