

NORDIC T10403 LS E6/7/8/9/11 LD 10W-40

Fully Synthetic Engine Oil

Product Description

Nordic's Halvard #3 is a premium low-SAPS synthetic heavy-duty engine oil designed for modern Euro V and Euro VI diesel engines equipped with advanced after-treatment systems including DPF, SCR and EGR. Provides outstanding cleanliness and maximum emission system protection.

Applications

- Euro V and Euro VI heavy-duty engines
- DPF-equipped fleets
- Long haul transport
- Mixed OEM fleets requiring ACEA E6/E9 performance

⚠ Always check the vehicle owners manual for the correct oil specification before use.

Performance Benefits

- ✓ **After-Treatment Protection:** Low ash formulation protects DPF and SCR systems.
- ✓ **Long Engine Life:** Excellent wear protection under severe operating conditions.
- ✓ **Enhanced Cleanliness:** Prevents piston deposits and sludge formation.
- ✓ **Fuel Economy Contribution:** Low friction characteristics support fuel efficiency.

Specifications

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|------------|-------------|
| • ACEA E11 | • API CI-4 |
| • ACEA E6 | • API CJ-4 |
| • ACEA E7 | • API SN |
| • ACEA E8 | • JASO DH-1 |
| • ACEA E9 | • JASO DH-2 |

Specifications

- Caterpillar ECF-1a / ECF-2 / ECF-3
- Cummins CES 20081
- Detroit Diesel DFS 93K215
- Deutz DQC IV-10 LA
- Mack EO-O Premium Plus
- MAN M3477 / 3575
- MB 228.31 / 228.51
- MTU Category 3.1
- Renault RLD-3
- Scania LA
- Volvo VDS-4

Typical Properties

Property	Method	Value
Density @ 15°C	ASTM D4052	0.864 g/ml
Viscosity @ 40°C	ASTM D445	88.2 mm ² /s
Viscosity @ 100°C	ASTM D445	13.8 mm ² /s
Viscosity Index	ASTM D2270	157
TBN	ASTM D2896	12.8 mg KOH/g
CCS @ -25°C	ASTM D5293	6200 mPa·s
Sulfated Ash	ASTM D874	0.98 wt%
Pour Point	ASTM D6892	-33°C
Flash Point COC	ASTM D92	226°C

User Advice

-  Always verify vehicle compatibility before use

Storage, Handling & Environmental Advice

- **Storage:** Store upright in a cool, dry place below 60°C. Avoid direct sunlight and freezing conditions.
- **Handling:** Avoid contamination with other fluids. Always reseal containers after use.
- **Environmental Precautions:** Dispose of used oil and packaging in accordance with local environmental regulations.

Health and Safety

- **NORDIC Oil** presents no significant risk to health or the environment when used properly. Refer to the Safety Data Sheet (SDS) for full safety, handling, and environmental information.

Refer to the [latest Safety Data Sheet](#) before use.