

# Sinova Marine HDE 10W-40 CK-4

Engine Oil

## Product description:

Sinova Marine HDE 10W-40 CK-4 is an advanced low-friction heavy-duty diesel engine oil, engineered to enhance engine longevity and offer extended drain intervals. It has been specifically designed for use in commercial vehicle diesel engines meeting Euro IV, Euro V, and Euro VI emissions standards, equipped with exhaust aftertreatment systems and soot particle filters (DPF/CRT), as well as in all gas-powered vehicles (CNG/LPG).

## Application:

Sinova Marine HDE 10W-40 CK-4 can be used in naturally aspirated and turbocharged heavy-duty diesel engines, both in mobile and stationary equipment, where the API CK-4 service category and SAE 10W-40 viscosity grade are specified.

## Features & Benefits:

- Effective control of soot-related oil thickening
- High TBN retention for longer drain intervals
- Resistant to oil consumption, oxidation, corrosion, and wear
- Exceptional aeration control
- Strong shear stability
- Improved oxidation stability

## Typical Properties

Property	Unit	Test method	Typical value
Kinematic Viscosity at 100°C	cst	ASTM D 445	14.80
Kinematic Viscosity at 40°C	cst	ASTM D 445	94.75
Viscosity Index	-	ASTM D 2270	164
Flash Point, COC	°C	ASTM D 92	228
Pour Point	°C	ASTM D 7346	-33
TBN	mg KOH/g	ASTM D 2896	8.2
Sulphated Ash Content	%	ASTM D 874	1.08
Density at 15°C	g/ml	ASTM D 4052	0.860
CCS at -20°C	cP	ASTM D 5293	4850

Typical property characteristics are based on current production. Whilst future production will conform to Sinova specifications, variations in these characteristics may occur.

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**Performance claims**

- API CK-4/SN
- ACEA E9
- MB-228.31
- MAN M3775
- Volvo VDS-4.5
- Mack EOS-4.5
- Renault Trucks RLD-4
- Cummins CES 20086
- Caterpillar ECF-3
- Detroit Diesel DDC 93K222
- Deutz DQC III-18LA

**Health, Safety & Environment:****Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website:

**[www.sinovagroup.ch](http://www.sinovagroup.ch)**

**Protect the Environment**

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

**Available pack sizes:**

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 7 L Canister plastic
- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 1000 L Container

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**Storage**

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

**Notes**

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is

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