Sinova Marine HDE 15W-40 CI-4/SL

Engine Oil

Product description:

Sinova Marine HDE 15W-40 CI-4/SL is an extra-high-performance heavy-duty diesel engine oil designed to provide long engine life and extended drain capability for today's diesel engines operating in severe applications. Its advanced chemistry delivers outstanding performance in both modern, demanding low-emission diesel engines and older diesel engines operating on low or high-sulfur fuel.

Application:

Sinova Marine HDE 15W-40 CI-4/SL is recommended for use in modern four-stroke diesel engines of heavy-duty duties under severe conditions, including vehicles equipped with EGR and SCR NOx reduction systems (not suitable for Diesel Particulate Filters). It fulfills the requirements of the EU Euro I/II/III/IV/V emission standards.

Features & Benefits:

- Extended service intervals and long-drain oil refreshment periods
- High thermal and oxidation stability
- Low volatility, excellent wear and bore polish control
- Easy cold start-up
- Advanced detergent/dispersant properties
- Outstanding engine cleanliness

Typical Properties

Property	Unit	Test method	Typical value
Kinematic Viscosity at 100℃	cst	ASTM D 445	15.00
Kinematic Viscosity at 40℃	cst	ASTM D 445	104.9
Viscosity Index	-	ASTM D 2270	150
Flash Point, COC	℃	ASTM D 92	230
Pour Point	℃	ASTM D 7346	-30
TBN	mg KOH/g	ASTM D 2896	10.1
Sulphated Ash Content	%	ASTM D 874	1.43
Density at 15℃	g/ml	ASTM D 4052	0.878
CCS at -20℃	cP	ASTM D 5293	5800

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 CI-4/SL
- ACEA E7
- JASO DH-1
- Global DHD-1
- MB 228.3
- MTU Type 2
- Volvo VDS 3
- Mack EO-N/M Plus
- Renault RLD-2
- Cummins CES 20076/77/78
- DDC 93K215
- Deutz DQC III-10
- MAN 3275
- CAT ECF 1a/2

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

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

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

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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 taken by ALCO LLC for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our sales specialists if you require any further information.

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