

Marine Cylinder Oil

DCA 50100H

Product Description

PetroChina Lubricant Company's DCA50100H Marine Cylinder Oil is produced from the deep refined base oil which undergoes precise de-waxing process and a unique blending process by using our special overbased naphthenate as main additive and other additives such as anti-oxidation and etc. With its enhanced formulation, DCA50100H has a better detergency with good dispersant capability, anti-corrosion, and oxidation stability is proven by the bench test. Its quality meets the international standard and requirement.

Applications

KunLun Marine DCA50100H Cylinder Oil is for use in low speed crosshead engine, burning heavy fuel oil with sulphur content less than 3.5%. It is an ideal lubricating oil for new generation of high efficiency, low speed crosshead marine diesel engine with long strokes, also applicable for running-in process of new generation low speed 2-stroke diesel engines.

Features

- Excellent detergency that cleans and maintains cylinder and piston
- Excellent oxidation stability at high temperature that prevents formation of unwanted oxides at high temperature
- Excellent anti-oxidation, anti-corrosion and good alkalinity that can reduce corrosion and damage of cylinder and piston from combusting of high sulphur content fuel
- Excellent dispersant capability to provide effective and efficient lubrication
- Excellent anti-wear property that reduces linear and ring wear under both high temperature and high pressure environment

Field Test and Result

- Approval from MAN B&W
- No formation of submerge particles, floating particles and insolubility and etc were experienced when mixing DCA50100H with any other types of similar marine cylinder oil

Specifications

Properties		DCA 50100H	Testing Method
Kinematic Viscosity (100°C)	mm ² /s	19.0	ASTM D445
TBN	mg KOH/g	100	ASTM D2896
Density at 15°C	Kg/m ³	-	ASTM D4052
Density at 20°C	Kg/m ³	930.0	ASTM D4052
Viscosity Index		100	ASTM D2270
Flash Point	°C	248	ASTM D92
Pour Point	°C	-15	ASTM D97
Water Content	%	0.04	ASTM D95
Sulphated Ash	%	11.5	ASTM D874
Bolnes-3DNL Run Test		Pass	Bench Test

* Above product typical properties are indicative and subject to change without prior notice

Storage and Handling

- All storage equipments, tanks, pipes, valves and etc. apparatus has to be cleaned thoroughly and inspected to be clean for use before being used to transfer or transport DCA5070H marine cylinder oil to prevent contamination.
- DCA5070H must be stored in dedicated storage tanks/equipment and is recommended to be stored in an indoor and controlled environment.
- Storage tanks/equipment must be waterproof, mist-proof and free from other mechanical particles.
- Product must be labeled clearly and properly during the entire transportation process to prevent mixing of other petrol-chemical product into the marine engine cylinder oil.