Marine cylinder oil (DCA)

Performance Overview

Maxtop Marine Cylinder Oil (DCA) is specially designed for Marine diesel engine cylinders. The oil must be able to deliver exceptional performance in extreme Marine environments, including high temperature, high load and high humidity conditions. Excellent lubrication protection and corrosion resistance, clean dispersion, effectively remove the surface deposits of the cylinder and piston, prevent carbon accumulation and blockage of the exhaust duct. Anti-wear: Form tough oil film under high pressure and high temperature environment, reduce friction and wear between piston ring and cylinder liner. Diffusivity: Flow quickly to the lubricated surface to ensure full coverage of the cylinder working area.

Application Scenario

Ocean-going vessels , coastal vessels , inland vessels , harbor tugboats , ferries , offshore engineering vessels , naval and coast guard vessels , yachts .

Features

01

High viscosity index: maintains appropriate viscosity at different temperatures, ensuring lubrication under various working conditions.

02

Low volatility: Reduce the evaporation loss of engine oil and increase the service life of oil.

03

Shear stability: Maintains viscosity under high shear forces, suitable for high-speed engine operation.

04

Environmentally friendly formula: Many marine cylinder oils use environmentally friendly formulas to reduce the impact on the marine environment.

05

Anti-foaming: Reduce the formation of foam and ensure the stability and lubrication effect of the oil.

06

Good sealing performance: helps maintain the seal between the piston and the cylinder, improving combustion efficiency.

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Marine Cylinder Oil (DCA) Performance Index

Project		Quality indicators			
Model		5010	5040	5060	5070H
Kinematic viscosity (100℃), mm^2 /s		17.5~21.9			
Total base number, mhKOH/g	not less than	9.0	38.0	58.0	68.0
Viscosity index not less than		85			95
Flash point (open), ℃	not less than	220			
Pour point, ℃ not higher than		-10			
Moisture, % (mass fraction)	not more than	0.03	0.06		
Mechanical impurities, % (mass fraction)	not more than	0.02	0.03		
Sulfated ash, % (mass fraction)		Report			
Copper sheet corrosion (100℃, 3h), level	not more than	1b			
Density (20℃), kg/ m^3		Report			
Load-bearing capacity (four-ball method) PB value, N	not less than				833
Anti-wear performance (four-ball method) Wear spot diameter D (392N, 60min) mm	not more than				0.36

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