

Marine Trunk Piston Engine Oil DCB3015, 4015

Product Introduction

PetroChina Lubricant Company's DCB3015 and DCB4015 Marine Trunk Piston Engine 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. DCB3015 and DCB4015 have excellent detergency with good dispersant capability, anti-corrosion, and oxidation stability proven on bench test. Their quality meet the international standard and requirement.

Application

DCB3015 and DCB4015 Marine Trunk Piston Engine Oil is suitable for use as lubrication for main propulsion and auxiliary marine trunk piston engine using heavy fuel oil with sulphur content less than 1.5%.

Feature

- Excellent detergency that reduces the buildup of soot, sludge and heavy fuel contaminants in critical parts of the engine
- Excellent oxidation stability at high temperature that prevents formation of unwanted oxides at high temperature and longer oil life
- Excellent anti-oxidation, anti-corrosion and good alkalinity that reduce corrosion and damage of cylinder and piston from combustion of high sulphur content fuel
- Excellent alkalinity stability / oxidation stability that prevents weaken of alkalinity over times. Provides protection to engine throughout entire oil life.
- Excellent anti-wear property that reduces abrasion under both high temperature and high pressure environment
- Excellent water resistance and separation capability for easy removal of contaminated water by centrifuge.

Field Test and Result

- DCB4015 Marine Trunk Piston Engine Oil had undergone a 3,000 hours performance test on SULZER 6RTA52 engine.
- Abrasion and wear on primary and secondary cylinder, piston ring and pin, bearing and etc meet the standard of similar marine trunk piston engine oil from international brands. No visible ash formation at major formation parts of combustion chamber. Cylinder cleanliness and cam and jaw abrasion condition is similar to engine using similar marine trunk piston engine oil from others. No corrosion was detected on both moving and abrasive parts of primary and secondary engine. No emulsion occurs when water was introduced to primary and secondary engines' lubrication system during the 3,000 hours test run.
- No formation of submerge particles, floating particles and insolubility and etc problems when mixing DCB3015 / DCB4015 with any types of similar Marine Trunk Piston Engine Oil.

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 DCB3015 / DCB4015 Marine Trunk Piston Engine Oil to prevent contamination.
- DCB3015 / DCB 4015 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 Trunk Piston Engine Oil.