

# Marine Trunk Piston Engine Oil

## DCB 4040

### Product Description

PetroChina Lubricant Company's DCB4040 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. DCB4040 have excellent detergency with good dispersant capability, anti-corrosion, and oxidation stability proven on bench test. Their quality meets the international standard and requirement.

### Applications

KunLun Marine DCB4040 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 3.5%.

### Features

- Excellent detergency that reduces the build up 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

- Clean piston, piston ring and exhaust orifice with little ash accumulation. Clean and smooth cylinder and piston ring. Relatively low abrasion at cam and jaw system. Lubrication standard meets the standard of similar lubricating oil from international brand.
- No formations of submerge particles, floating particles and insolubility and etc problems when mixing DCB4040 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 DCB4040 Marine Trunk Piston Engine Oil to prevent contamination.
- DCB 4040 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 labelled clearly and properly during the entire transportation process to prevent mixing of other petrol-chemical product into the Marine Trunk Piston Engine Oil.