

Fourth Engineer

Duties

The 4th Engineers shall report to the 2nd Engineer who shall assign him duties, both at sea and in port, and whose orders they shall consider effective and binding as though emanating from the Chief Engineer.

The 4th Engineer shall assist the 2nd Engineer when necessary in carrying out his duties.

Fourth Engineer is designated as in-charge of purifiers, compressors, pumps, filters, valves and machineries other than main engine, auxiliary engine and boilers.

He is responsible for maintaining running hour records of machineries under his charge.

He is responsible for carrying out planned routine maintenance of the above-mentioned machineries under the supervision of Chief engineer or Second Engineer.

He is responsible for maintaining inventory of spares for machineries under his charge.

The 4th Engineer shall assist to 3rd Officer in the upkeep of the FFA in the Engine Room and Steering Gear.

The Fourth Engineer is also responsible under the supervision of the Chief Engineer for the maintenance of Emergency Equipment such as: lifeboat engines, emergency fire pump, emergency generator, emergency bilge suction, funnel fire dampers, engine room blower fire dampers, quick closing valves, Emergency stop for fuel pumps and engine room ventilation.

The Fourth Engineer shall be responsible for maintaining soundings of the tanks for bunker, lube oil, Engine Room sludge and bilge holding tank, stern tube cooling water tank and cofferdams etc.

The fourth Engineer shall also carry out other machinery maintenance and monitoring as directed from time to time by the Chief Engineer and Second Engineer.

Scrubber Equipment

- Scrubber process water pump, WTU feed water pump and sea water pumps maintenance.
- Alkali and Scrubber holding tank soundings/discharge & log file maintenance of scrubber holding tank discharge under C/E supervision.
- Maintain WTU CIP chemicals filling and dosing
- Scrubber system valves inspection & maintenance (Repair when defective).
- Sludge/Sludge cake removal /shore discharge and its documentation.

Environmental & MARPOL Management

The 4th Engineer shall always comply with Company Environment Policy and MARPOL requirements under the guidance of Chief Engineer who is in charge of waste stream management in Engine Room.

The Fourth Engineer shall be responsible for the operation, maintenance and record keeping for the incinerator (as applicable).

The Fourth Engineer is responsible to ensure minimization of proper waste stream management from the equipment under his charge e.g. prompt renewal of pump seals to minimize water entering the bilges, drain arrangements from compressors to bilge tanks etc.

The Fourth Engineer shall also be responsible for the safe storage and disposal of Engine Room Chemicals. The Fourth Engineer shall ensure that MSDS sheets for all chemicals are readily available at the chemical locker and that only environment friendly chemicals are used onboard.

Maintenance of Records and log

The Fourth Engineer is responsible for maintenance of records and upkeep of the forms, logbooks and files as assigned by Chief Engineer