

Chief Engineer

Superior:	Master
Deputy:	First Engineer (Senior)
Subordinates:	First Engineers (Senior and Junior), Electrical Engineer and Engine c.d. crew

Job description:

Acts as superior of the engine department and the ship's Fire Chief.

Main tasks:

- Is responsible for ensuring that the ship is technically seaworthy and complies with the regulations.
- Emergency responsibilities include roles and responsibilities of the ship's Fire Chief, SOPEP operations, flooding control operations
- As the superior of the department, the Chief Engineer is responsible for all technical operations, maintenance and classifications.
- Is responsible for ensuring that the machinery and equipment referred to in the inspections have been inspected in due time.
- Is responsible for the fact that the service and repair measures in the engine department are recorded and reported.
- Ensures that the entries in the engine, oil and waste logs are correct.
- Carries out necessary spare part, accessory and equipment purchases for the engine department in accordance with the budget and with the approval of the Master.
- Takes care of the cost monitoring of maintenance in the engine department.
- Takes care of the working time organisation in the engine department together with the Master.
- Organises, e.g. fire and smoke diving drills and is responsible for the maintenance of the fire protection equipment.
- Is responsible for the monitoring of the ship's waste management.
- Tasks in accordance with the muster list
- Other tasks assigned by the superior

Cooperation and communication:

- Other departments of the ship
- Bridge
- Shipping company
- Subcontractors / goods suppliers
- Charterers representatives / customers

Minimum qualifications:

- Experience and knowledge on an icebreaker and Offshore industry, with at least 2 years experience as a First Engineer (Senior).
- Extensive experience on high voltage diesel electric machineries, particularly AC cyclo converter drives. Familiarity with the vessel type and machinery required minimum 2 years.
- Extensive experience with azimuth thruster propulsion, particularly Z-drive geared drive units. Familiarity with the vessel type and machinery required minimum 2 years.
- Experience with steam plant safety and operations.

- Extensive proficiency in ice class vessel machinery and ventilation & heating plant design, operational limitations, and experience in machinery plant operations
- Proficiency in offshore crane machinery and winch machinery
- Proficiency in offshore helicopter operations and emergency response
- Computer literacy and advanced skills in planned maintenance system onboard (Sertica)
- Requirements for personal qualities include good human skills for working as a superior of the department and as a member of the crew with minimal conflicts between other people on board.
- Ability to work at sea tolerating isolation, working well with other members of the crew, and tolerating vessel movements without getting seasick easily.
- Before assigning a steady position the details and qualities of a person need to be assessed with the superiors and the office for approval.

Minimum Requirements of Certificates and Training:

The following competence and certification requirements are based on the Finnish law and regulations which apply to Finnish vessels sailing under the Finnish flag and the crews and owners of such vessels.

- Certificate of Competency - Chief Engineer III/2
- Certificate of Competency – Engine attendant Steam or Watchkeeping engineer Steam III/1 **
- Combined Certificate of Proficiency - VI/1, VI/2.1, VI/3, VI/4.1, VI/6.4
- Personal Survival Training, A-VI/1-1
- Elementary First Aid, A-VI/1-3
- Personal Safety and Social Responsibility, A-VI/1-4
- Survival Craft and Rescue Boat, A-VI 2-1
- Advanced Fire Fighting, A-VI/3
- Medical First Aid, A-VI/4-1
- Security Training for seafarers with designated security duties, A-VI/6-2

**One of the Engine Officers on board at a time is required to have Certificate of Competency - Engine attendant Steam or Watchkeeping engineer Steam

General and Company Manning Standards:

- Passport
- Seafarer's Medical Certificate
- Contract of Employment
- Fluent Finnish (working language on the vessel)
- Fluent English
- Familiarization Procedures according to the Vessel Handbook
- HSSEQ Manual