

## Senior Engineer

Superior:	Chief Engineer
Deputy:	First Engineer (Junior)
Subordinates:	First Engineer (Junior), Engine c.d. crew

### Job description:

Acts as supervisor and Engineer of the Watch in the engine department.

### Main tasks:

- Is responsible for the operation of the ship's machinery and equipment during his watch.
- Emergency responsibilities include roles and responsibilities of the ship's Fire Party operations, SOPEP operations, flooding control operations
- Plans and implements the repair and maintenance measures and any modification tasks.
- Arranges and executes tool box talks for engine department and department related tasks
- Ensures that scheduled maintenance tasks are carried out in a timely manner.
- Is responsible for ensuring that repair and maintenance tasks, installations and tests are carried out and recorded.
- Has any modification work approved by the Chief Engineer before work is started.
- Submits proposals to the Chief Engineer with regard to spare parts and accessories purchased for the ship and to any new installation work.
- Is responsible for entries in the engine department logbook of tasks in the electronic system.
- Acts as the ship's deputy fire chief.
- Tasks in accordance with the muster list
- Other tasks assigned by the superior

### Cooperation and communication:

- Other departments of the ship, directs and advice in the correct and safe use of equipment.
- Bridge
- Subcontractors / goods suppliers
- Charterers representatives / customers

### Minimum qualifications:

- Experience and knowledge on an icebreaker and Offshore industry, with at least 1 year experience as a First Engineer (Junior).
- Extensive experience on diesel electric machineries. Familiarity with the vessel type and machinery required minimum 1 year.
- Extensive experience on high voltage diesel electric machineries, particularly AC cyclo converter drives. Familiarity with the vessel type and machinery required minimum 1 years.
- Extensive experience with azimuthing thruster propulsion, particularly Z-drive geared drive units. Familiarity with the vessel type and machinery required minimum 1 years.
- Experience with steam plant safety and operations.
- Proficiency in ice class vessel machinery and ventilation & heating plant design, operational limitations and experinece 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 member of the crew in co-operation with others 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