

Junior Engineer

Superior: Chief Engineer
Deputy:
Subordinates: 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.
- 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 ensuring that repair and maintenance tasks, installations and tests are recorded.
- Is responsible for the operation of the ship's machinery and equipment during his watch.
- Is responsible for the storage and monitoring of spare parts and accessories.
- Is responsible for completing the working time logs in the engine department.
- Is responsible for measuring the water contents of fuels and lubricants.
- Is responsible for analyses of drinking, engine, and boiler waters.
- Takes care of quality control of the service water.
- Is responsible for the monitoring and maintenance of the list of chemicals with respect to the engine department.
- Tasks in accordance with the muster list
- Other tasks assigned by the superior

Cooperation and communication:

- Other departments of the ship (directs and advices 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, in capacity of engine room rating or apprentice or as an familiarized engineer approved by the Chief Engineer
- Experience on high voltage diesel electric machineries, particularly AC cyclo converter drives. Familiarity with the vessel type and machinery required minimum 1 tour of duty onboard operational vessel.
- Experience with azimuthing thruster propulsion, particularly Z-drive geared drive units. Familiarity with the vessel type and machinery required minimum 1 tour of duty onboard operational vessel.
- Experience with steam plant safety and operations.
- Familiarity in ice class vessel machinery and ventilation & heating plant design, operational limitations and experinece in machinery plant operations
- Computer literacy and basic 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 - Watchkeeping Engineer 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

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