Chief Engineer

Overview

The Chief Engineer is responsible for the operation, maintenance, preservation, and readiness of the vessel's machinery and equipment. The Chief Engineer is responsible for fueling, pollution control, liquid loading, logs, reporting and record keeping, procurement and inventory control of the respective vessel.

Duties and Accountabilities

- The Chief Engineer is in charge of the engineering watch.
- Performs troubleshooting and repairs of all machinery and equipment related breakdown.
- Responsible for maintaining the propulsion, auxiliary and safety equipment in accordance with the planned maintenance system.
- Coordinates the work of external contractors when repairs are being facilitated onboard.
- Liaises with Port Engineering Team and Engineering Superintendent to facilitate repairs, contract visits, etc.
- Provides thorough analysis of breakdowns and faults to Shore Engineering Team to facilitate quicker vessel recovery.
- Conducts Deck Level Hazard Assessments (DLHA), along with the crew, to assess a specific work task prior to starting the work to determine if hazards are present.
- Acts as a person in charge of all machinery spaces during incidents and onboard emergencies.
- Works with the Superintendent on dry dock activities and facilitates vessel surveys/inspections.
- Follows safe work practices and company's Health, Safety, Wellness, Environmental and Quality Policies in line with the company's core values.
- Ensures that all new Engineering Department officers and crews are familiar with relevant procedures.
- Mentors and trains junior engineers on maintenance procedures.
- Ensures efficient operation and maintenance of all plant and equipment associated with safety and anti-pollution as defined by statutory regulations and company procedures.
- Complies with all company policies and SOPs and ensures that all officers and crew understand and follow all policies, procedures, orders and instructions.
- Maintains records of all routine and unscheduled maintenance as per requirements.
- Maintains standby plant and systems in a complete state of readiness to meet any emergency requirement.
- Tests standby systems on a regular basis and as per company procedures.
- Responsible for safety of personnel in engine room. Notifies the Master of any defects that may affect vessel safety or put the marine environment at risk.
- Assigns engineering officers or ratings specific roles with respect to Engineering Department responsibilities.
- Assists in investigating all accidents and completes the necessary documentation for all lost-time accidents, medical aid and serious near-misses. Takes the corrective actions necessary to prevent future similar incidents.
- Performs vessel maintenance system and engine room inspections.

- Ensures that the Oil Record Book and Engine Logbook are accurate and up to date.
- Reports and responds to all incidents.
- Performs additional duties as assigned.

Qualification Requirements

- Valid 2nd Class Transport Canada Marine Motor engineering certificate and associated endorsements, MEDs, Marine Basic First Aid and Marine medical are required.
- Minimum 5 years of experience as engineering officer onboard of a similar vessel, including experience in charge of engineering duties on a vessel of 400 gross tons or larger.
- A CMPG qualified engine watch keeper with at least 2 years' experience of working on 60 tonnes Bollard pull and above on ASD tugs.

Skills, Knowledge and Required Competencies

- Understanding of operation and use of all emergency equipment on board the vessel with emphasis being placed on location and use of fire fighting, live saving equipment, man overboard equipment, and safety apparatus.
- Proficient on all vessel operational systems.
- Knowledge of applicable Transport Canada and Classification Societies requirements.
- Knowledge of marine terminologies and machinery parts.
- Understanding of responsibilities under the CLC Part II and MOHS Regulations.
- Understanding of all emergency equipment and all emergency duties.
- Understanding of hazards associated with day-to-day activities.
- Proficient with English language (verbal and written).
- Team player and a creative problem solver.
- Basic computer skills in MS Office.
- Ability to maintain, monitor and repair marine diesel engines, hydraulic and electrical systems on the vessel.
- Ability to work with a variety of individuals in various departments.
- Organizational, time management and multi-tasking skills. Ability to work on their own while standing the engineering watch and coordinating the engineering responsibilities of a vessel.
- Accuracy and a keen attention to detail.
- Ability to work in tight spaces and with heavy pieces of equipment.

Note: this job description was created for the guidance purposes only. It provides potential candidates with minimum and site-specific requirements, but maybe revised at the time of the actual posting prior to the operational dates.