

Class Concept

Work in this class involves full responsibility for supervising and coordinating activities of vessel personnel engaged in operating and maintaining propulsion and other engines, generators, deck, machinery, electrical, refrigeration and sanitation equipment and other related systems on board ferry vessels. Positions check, operate, and maintain engineering equipment including main and auxiliary machinery, piping, plumbing, sanitation, electrical, hydraulic, heating, air conditioning systems, and vessel firefighting equipment. Positions must ensure the vessel has an adequate supply of fuel and lubricants on board. Positions operate the engineering systems in accordance with rules and regulations established by the U.S. Coast Guard, North Carolina Department of Transportation and policies and procedures of the Ferry Division. Positions are responsible for following all safety and Homeland Security rules and regulations. Work is reviewed by superiors through written reports and by inspections performed by United States Coast Guard personnel.

Recruitment Standards

Knowledge, Skills, and Abilities

- ✦ Thorough knowledge of the operations, maintenance and repairs of marine diesel and gas engines, pumps, generators and other auxiliary equipment.
- ✦ Thorough knowledge of State, Federal and U.S. Coast Guard laws and regulations regarding occupational hazards and safety precautions for engine room work aboard ferries.
- ✦ Considerable knowledge of electricity and its proper use, including providing independent power while vessel is underway, as well as shore power when vessel is moored.
- ✦ Skill in making temporary and permanent repairs.
- ✦ Ability to supervise and instruct personnel in all areas of ferry engine room operations.
- ✦ Ability to overhaul and maintain complex engineering equipment, including large internal combustion diesel engines.
- ✦ Ability to establish and maintain effective relations with fellow employees and the traveling public.

Minimum Education and Experience

Possession of a valid U.S. Coast Guard license as Chief Engineer or Designated Duty Engineer with the appropriate horsepower for the vessel operated.

Necessary Special Qualification

Possession of a Transportation Worker Identification Credential Card (TWIC) issued by the Transportation Security Administration (TSA)

Note: This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA.