

Job Posting Template

The Ship Operations Department is currently accepting applications for a temporary relief First Assistant Engineer. Covid-19 vaccination is required.

JOB SUMMARY:

Reporting to the Chief Engineer and assisting with duties, is responsible for the proper operation, maintenance, and safety of all engine department machinery, equipment, and spaces; for the conduct and performance of engine personnel; and for economical use of consumable supplies and stores.

ESSENTIAL FUNCTIONS:

- Plans, assigns, and supervises work of engine department personnel; assists the Chief Engineer in planning maintenance and repair schedules with regard to ship's schedule ensuring periodic machine inspections and major repairs are accomplished in port.
- Reports condition of engine department equipment, machinery, and personnel; unusual developments; and repair progress. Maintains a machinery log of repair dates, spare parts, and consumable supplies. Monitors engine department, stores and prepares requisitions. Maintains HVAC systems, checks refrigeration plant, and ensures safety devices are in proper working condition
- Stands engine room watch, supervises Oiler, and ensures watches are stood properly and orders carried out.
- Keeps a log of all watch operations and conditions, including unusual occurrences and emergency signals.
- Supervises and assists, while in port, with maintenance and repair of engine room equipment and spaces, and in loading freshwater bunkers.
- Proficiency in the following: Diesel engines, electrical maintenance and troubleshooting, electronics, hydraulics, reading of both hydraulic and electrical schematics, HVAC equipment, and air compressors.
- Performs other duties as required.

NON-ESSENTIAL FUNCTIONS:

As deemed necessary by supervisor

DESIRED EDUCATION & EXPERIENCE:

- Bachelor's degree from an accredited sea service academy and four years' sea duty as an engineering officer; in the absence of a formal degree, equivalent work experience.
- Candidates must possess computer literacy in the use of word-processing, inventory and database management, ship's stability, and electronic mail programs.
- Prefer First Assistant Engineer experience on similar research vessel.
- Candidates must have a high level of training as evidenced by a U.S. Coast Guard license, preferable First Assistant Engineering Unlimited Horsepower, Motor Vessels.
- Minimum licensing for R/V Neil Armstrong and R/V Atlantis requires an unlimited Horsepower, Motor Vessels, Oceans.
- In addition to the above, all licensed officers must have all applicable training as required by the Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW 95) and possess a valid U.S. Coast Guard Merchant Mariners Credential and Transportation Workers Identification Credential (TWIC) and hold an unexpired Passport.
- Candidates must have good communication and personnel management skills, and in-depth understanding of the proper operation and maintenance of ship's engines and related equipment, and demonstrate good safety practices and procedures
- Must be able to pass a DOT Pre-employment drug screen.
- Must hold an Unexpired (STCW Expiration date) USCG med Certificate

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PHYSICAL REQUIREMENTS:

Essential Functions, Physical Capabilities/Requirements, and Working Conditions of all Marine Positions

- All marine positions have essential functions that personnel must be able to perform, minimum physical capacities and requirements that all personnel must meet, and working conditions that may be considered hazardous.
- Essential Functions
- Work at least 8 hours per day and, at times in excess of 12 hours per day, 7 days per week.
- Work at sea for three to five months continuously.
- Live and work in cramped quarters, frequently in bad weather and with violent ship motion.
- Pass examinations for visual acuity, color sense, and hearing as established in Title 46 CFR Parts 10 and 12, and pass a physical evaluation as described in the enclosed Navigation and Vessel Inspection Articles 6-89.
- Climb steep and vertical ladders, and enter and exit compartments through hatches, doors, and sills up to two feet high.
- Participate in emergency drills and in launching lifeboats and life rafts.
- Perform physical labor, climb and handle moderate weights and equipment over 50 pounds.

Physical Capability	Example of Essential Function
Balance	Work in confined and unstable areas.
Bend, kneel, squat	Clean, maintain, and inspect equipment.
Climb	Reach work areas, equipment and stores by ladder and stairs.
Crawl	Crawl through bilge pockets, and under ladders and winch beds.
Feel	Touch objects: where sight is limited.
Finger	Manipulate nuts, bolts, tools, and cleaning gear.
Handle	Handle equipment and stores with sure grip.
Hear, talk	Communicate with people.
Lift, carry	Load stores over 50 pounds.
Push, pull	Move equipment over 50 pounds.
Reach	Up, over, and under equipment and stores.
See	Read labels, menus, logs, charts, and gauges in poor lighting.
Sit	Operate crane, Avon, lifeboat, and life raft.
Stand	Work on equipment.
Walk	Perform rounds at sea.
Write	Maintain logs.
Work Condition	Example of Hazardous Area/Duty
Confined areas	Store rooms, engine spaces, and tanks
Potential allergens and irritants	Fuels, solvents, cleaners, dust, fumes, smoke, and gases
Adverse weather	On deck in rough seas during equipment maintenance
Extreme temperatures	On deck in tropics and high latitudes; in engine room
Potential hazards	Being at sea; slippery and uneven surfaces; moving parts and objects; climbing ladders; and working aloft
Noise	Constant and loud engine room noise, blowers, exhaust fans
Schedule	Protracted and irregular working hours

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Vibrations

Ship's engines and chipping hammer

WHOI is a member of the Higher Education Recruitment Consortium (HERC). We are sensitive to the issues of dual career candidates and we will work with applicants to address them. Please visit [HERC](#) - for more information.

WHOI is an Affirmative Action/Equal Opportunity Employer/Disabled/Veterans/M/F. We encourage Veterans and those with Disabilities to apply. Applications are reviewed confidentially. Applicants that require accommodation in the job application process are encouraged to contact us at (508) 289-2253 or email eeo@whoi.edu for assistance.