

## LCM Engineer

**Job Goal: to oversee spring preparations of NVN's LCM for the Kuskokwim shipping season, maintain/repair the vessel during the active season, and oversee the proper storage and winterization of the vessel at the end of the season.**

**Salary Range: \$300-\$400 /day DOE**

### **Job Duties:**

*Supervise and coordinate activities of crew engaged in operating and maintaining engines, boilers, deck machinery, and electrical, sanitary, and refrigeration equipment aboard ship*

Including but not limited to:

- 1) Fabricate engine replacement parts such as valves, stay rods, and bolts, using metalworking machinery.
- 2) Install engine controls, propeller shafts, and propellers.
- 3) Maintain and repair engines, electric motors, pumps, winches and other mechanical and electrical equipment, or assist other crew members with maintenance and repair duties.
- 4) Maintain electrical power, heating, ventilation, refrigeration, water, and sewerage systems.
- 5) Monitor and test operations of engines and other equipment so that malfunctions and their causes can be identified.
- 6) Monitor engine, machinery, and equipment indicators when vessels are underway, and report abnormalities to appropriate shipboard staff.
- 7) Perform general marine vessel maintenance and repair work such as repairing leaks, finishing interiors, refueling, and maintaining decks.
- 8) Start engines to propel ships, and regulate engines and power transmissions to control speeds of ships, according to directions from captains or bridge computers.
- 9) Supervise the activities of marine engine technicians engaged in the maintenance and repair of mechanical and electrical marine vessels, and inspect their work to ensure that it is performed properly.
- 10) Act as a liaison between a ship's captain and shore personnel to ensure that schedules and budgets are maintained and that the ship is operated safely and efficiently.
- 11) Clean engine parts, and keep engine rooms clean.
- 12) Maintain complete records of engineering department activities, including machine operations.
- 13) Monitor the availability, use, and condition of lifesaving equipment and pollution preventatives, in order to ensure that international regulations are followed.
- 14) Operate and maintain off-loading liquid pumps and valves.

15) Order and receive engine room's stores such as oil and spare parts; maintain inventories and record usage of supplies.

16) Perform and participate in emergency drills as required.

17) Record orders for changes in ship speed and direction, and note gauge readings and test data, such as revolutions per minute and voltage output, in engineering logs and bellbooks.