



Harvey Gulf International Marine

COMPETENCY PROFILE

Job Title: Tug Boat Mate (100-1600GRT)

DOT Code: 197.133-034

General Job Description:

- Supervises, coordinates and participates in daily activities of crew
- Routine inspection of towing gear and lifesaving equipment
- Orders parts and assists crew to repair or replace defective equipment
- Directs activities of and assists crew in rigging towlines
- Supervises and assists crew in cleaning and painting of boat
- Stands watch during specified periods
- Determines geographical position of boat upon request of Master
- Safe operation of tugboat, upon request of Master to push or pull, transit to destination, berth and un-berth vessels, avoiding reefs, outlying shoals and other hazards
- Utilizes navigational devices, such as compass and sextant and aids to navigation such as lighthouses and buoys
- Operates, supervises or assists in operation of all vessel equipment
- Assumes command of tugboat in the event Tugboat Master becomes incapacitated or is off duty
- Is required to hold license issued by U.S. Coast Guard designated according to waters navigated and size of tugboat
- Must perform other duties such as deckhand, cook, engineer and oiler (see relevant job description for duties)

Tools and Equipment Used:

- Standard vessel equipment including: loran, radar, autopilot, compass, binoculars, engine controls, dividers, maps, ship's logs, plotting sheets, sextant, and other navigational aids
- Standard hand tools, cleanup equipment, and galley wear

Environmental Conditions:

- Working conditions vary from extremely hot (engine room temperatures up to 140 degrees), to freezing temperatures on deck
- Noise and vibration levels can be very high
- Indoor air is filtered, outdoor air varies with working environment

Mobility Barriers:

- Getting on and off boat: requires the individual to combine twisting, bending, stooping, jumping, squatting, climbing, balancing and swinging due to potential wave action
- Good upper and lower body strength is required
- Steep, narrow, one person stairwells throughout the vessel

Hours Worked:

- Offshore schedule: 28 days on and 14 days off (flexible)
- Offshore shift: Shifts vary, but may be up to twelve (12) hours on, twelve (12) hours off

Physical Demands:

- Frequent lifting and/or carrying of objects up to 50 lbs.
- Occasional lifting and/or carrying of objects with help in excess of 50 lbs.
- Occasional climbing, balancing, stooping and crouching (climbing and descending stairs, chipping, painting, confined space entry, etc)
- Frequent reaching and handling of radios, spotlights, switches, levers and cables.
- Must have a clear voice and hearing

Vision Requirements:

- Frequently uses near vision to read charts and reports
- Frequently uses far vision to see landmarks and oncoming vessels
- Frequently uses depth perception to judge distance
- Frequently uses wide field of vision to be aware

Pushing and Pulling Tasks:

- Pushes and pulls switches, levers and cables
- Pushes and pulls deck lines
- Pushes and pulls entry doors

Standing and Walking Tasks:

- Check the vessel on tow regularly
- Walking to and from different sides of the vessel and to the wheel house
- Either standing or walking a majority of the time on duty

Sitting Tasks:

- Sits while steering the boat and watching the VOR.

Work Surface:

- Smooth floor, steel decks, and stairs.

SKILLS

Reasoning Development:

- Must apply principles of logical or scientific thinking to a wide range of problems
- Must deal with nonverbal symbolism (graphs etc) in their most difficult phases
- Must deal with a variety of abstract and concrete variables.

Mathematics Development:

- Must be able to calculate surfaces, volumes, weights, measures, circumferences and areas
- Must understand kinds of angles, and properties of pairs and angles
- Must be able to add, subtract, multiply and divide, with use of decimals and percentages

Reading and Writing Tasks:

- Must be able to read rules, regulations and maps
- Must be able to read safety signs, warnings and instructions
- Must read safety rules, warnings and instructions on maintenance shop tools and vessel equipment
- Must write reports with proper format, punctuation, spelling and grammar, etc
- Must complete position reports and log books which include data on position, destination, time of arrival, etc
- Must be able to write instructions

Speaking:

- Must speak fluent English
- Must be able to effectively communicate with crew including over radio, using appropriate poise, and voice control and voice modulation.

Mental Involvement:

- Extreme concentration is required when the weather is rough, when seas are bad, and when tying up to rigs, docks, etc.

Human Relations Tasks:

- Must be able to influence people, make judgments, supervise, perform under stress
- Must be able to get along with crew in tight quarters for extended periods of time

EDUCATION AND/OR LICENSING

- **high school diploma preferred but not required**
- **Must possess the following valid USCG documentation:**
 - **License with a minimum rating of 200 to 1600 Ton Mate of Towing**
 - **STCW-95 with Mate of Towing Endorsement**
 - **MMD (Z-Card)**
- **valid Transportation Worker Identification Credential (TWIC card)**

TRAINING

- **STCW-95 with Mate of Towing Endorsement**

EXPERIENCE

At least 6 months in this capacity