

JOB SPECIFICATION

TITLE: Marine Mechanic (Skill Zone 3)
DEPARTMENT: Marine Section – Royal Gibraltar Police
RESPONSIBLE TO: Inspector – Marine Section

JOB PROFILE:

The successful candidate will need to perform skilled work in the maintenance and repair of vessels, marine engines, marine machinery and related equipment. Will need to regularly inspect and test engine equipment to pinpoint problems. Will need to address problems involving boat steering mechanisms or propellers, and will also be responsible for the procuring of necessary supplies, tools and equipment parts.

The main duties and responsibilities of the post are:

- Perform major and specialised mechanical overhaul and repair work on marine engines, outboard motors, and related marine equipment and systems using schematic charts and technical manuals.
- Establish and maintain a preventive maintenance program for marine engines and related marine equipment.
- Test marine engines and equipment to determine need for repairs or adjustments.
- Repair and maintain hydraulic equipment and valves.
- Operate hand and power tools associated with marine engine and equipment repair.
- Assist in fabrication of equipment.
- Purchase parts and supplies.
- Write specifications for, and recommend purchase of marine equipment.

WORKING CONDITIONS WILL INCLUDE

- Outdoor weather conditions;
- A non-stable environment (i.e. pitching, heaving, and rolling decks);
- Noisy environment;
- Hot and confined spaces;
- Exposure to toxic/caustic substances and fumes;
- Elevated areas (i.e. over six feet);
- Moving, lifting, and carrying heavy objects.

This job description reflects the general duties of the job but is not a detailed description of all duties which may be inherent to the position. The Royal Gibraltar Police may assign reasonably related additional duties to individual employees consistent with policy and agreements, as well as providing health and safety information, instruction, training and supervision when applicable and available.

PERSON SPECIFICATION – MARINE MECHANIC (SKILL ZONE 3)

<u>CRITERIA</u>	<u>ESSENTIAL</u>	<u>DESIRABLE</u>
Qualifications:	<p>Hold an indentured Apprenticeship in the relevant trade (Marine Mechanics),</p> <p>or</p> <p>Have attained an NVQ level 3 qualification or equivalent in Engineering Production (Marine Mechanics).</p>	Marine engine operator's certificate.
Experience:	Minimum of at least three years of progressive experience in the repair of diesel and gasoline engines, transmissions, hydraulic, air, and electric systems, and components, preferably in the ship repair or shipbuilding industry; or an equivalent combination of education and experience.	Experience in marine mechanics.
Knowledge:	<p>Knowledge of electrical power supplies (alternators, generators and batteries).</p> <p>Good knowledge of main machinery and auxiliary equipment likely to be found on vessels.</p> <p>Knowledge about the different engine and motor designs used for different boats.</p> <p>Working knowledge of the operating principles of diesel and gasoline engines; reduction gears; hydraulic, air and electric control systems; vacuum and pressure pumps.</p> <p>Knowledge of precautions to be observed to prevent environmental pollution, and of waste disposal protocols.</p>	First Aid qualification.
Personal Effectiveness:	<p>Capable of using spreadsheets, databases and online resources to diagnose and repair problems.</p> <p>Ability to determine the cause of and procedures to follow in repairing malfunctioning equipment.</p>	

Key Skills and Behaviours:	<p>Knowledge about the different engine and motor designs used for different boats.</p> <p>Proficient with the systems used on board such as radar systems and navigation tools.</p> <p>Superior hand dexterity that allows performing clean and precise repairing function.</p> <p>Ability to conduct quality assessment checks and evaluate the recorded performance.</p> <p>Skilled at coaching new employees and training them to perform repairing duties.</p>	
Other Requirements:	<p>Physical strength to move heavy objects and perform manual labour for considerable periods of time.</p> <p>May be required to work outside normal working hours, as and when directed by exigencies of the post.</p> <p>May be required to undergo training in the United Kingdom.</p>	