

SENIOR MAINTENANCE MECHANIC II (WELDER)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent performs a wide variety of journeyman level welding work including the lay out of jobs sufficiently complex to require advance planning and the maintenance of necessary supplies and records. Work is performed with considerable independence in accordance with American Welding Society (AWS) Codes, OSHA guidelines, and EPA regulations, but with the opportunity for conferences with supervisors on welding arrangement, amounts and types of material to be used and on related welding problems. Work may be generated by verbal or written instructions or on own initiative. Incumbent may function as lead worker on specific projects, may work alone or as part of a crew and may supervise a number of lower level maintenance and labor employees. The journeyman is fully proficient in the skills and practices of the trade, with the full knowledge of the principles, tools and techniques. The journeyman has responsibility for determining methods, techniques, materials, and/or devices best suited to complete projects. Work at this grade may be completed with little or no check during progress or on completion. Supervisor may check overall work to see that it meets trade standards. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Welds, brazes, cuts and solders metal parts, including ferrous (cast iron, stainless steel, high and low carbon steel) and non-ferrous metals (aluminum, brass, bronze, copper, etc.) in accordance with AWS standards, in the repair and replacement of parts or mechanical equipment, as well as structural steel or pipes so that equipment will operate efficiently and safety;

Overhauls and repairs or replaces metal parts, where welding or associated metal work is the major skill, to extend the useful life of equipment and to save money;

Aligns, sets in place, and welds bases for motors, pumps and other mechanical equipment so that equipment will operate correctly and safely;

Fashions sheet metal troughs, chutes, ventilating ducts and other devices as well as the structures necessary to support them;

Fabricates wall brackets, shelves, supports, ladders, platforms, stairways, railings, etc., sketching and laying out templates as needed;

Fashions, repairs or replaces tools and equipment such as incinerator rings, rakes, plows and plow parts, push frames for trucks, truck bodies, fenders, aluminum light poles, grates, mowers, amusement park devices, etc.;

Cuts and welds iron or steel pipe in the repair of sewer lines and repairs, replaces, or installs piping systems on pumps, tankers, heating systems, etc.;

Performs routine and emergency repairs and maintenance, both scheduled and in response to emergency situations, as required;

EXAMPLES OF WORK: (Illustrative Only) (Cont'd)

Maintains work area in a clean, orderly and safe condition;

Maintains records of work completed and prepares required reports;

Requisitions necessary materials and supplies as required;

Recommends new equipment and new methods to increase productivity;

Estimates material cost and staffing requirements;

Compiles information needed for budget information;

Depending on work location, may operate equipment and devices, participate in snow removal, etc., as assigned;

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments;

May perform other incidental tasks, as needed.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Thorough knowledge of the tools, techniques and terminology associated with the welding trade; thorough knowledge of accident and safety precautions of the trade; good knowledge of oxyacetylene and electric arc welding equipment; good knowledge of the techniques and practices of welding ferrous and non-ferrous metals; familiarity with structural steel and metal machine parts of the type which may require welding and brazing or cutting and burning in their repair, replacement or installation; ability to do all types of oxyacetylene and electric arc welding, brazing and burning with high degree of skill; ability to read blueprints and read and draw rough sketches; ability to work effectively with supervisory personnel in carrying out the duties of the position; ability to use computer applications such as spreadsheets, word processing, e-mail and database software; ability to read, write, speak, understand, and communicate in English sufficiently to perform the essential duties of the position; resourcefulness in working out new welding problems; initiative in successfully completing assigned work; industriousness; physical strength; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Either: (a) high school or equivalency diploma and four years experience in welding, which included cutting, brazing and soldering; or (b) four years full time experience where a significant part of the position was welding, including cutting, brazing and soldering under a journeyman welder who provided training and experience equivalent to that given in an apprenticeship program.

NOTE: Apprenticeship training in welding or training gained by the completion of technical courses in the trade or at a school or institute or branch of the Armed Services may be substituted for the above training and experience on a year for year basis.

SPECIAL REQUIREMENT: Possession of a valid license to operate a motor vehicle in the State of New York will be required at time of appointment and maintain same while in the title.

SPECIAL REQUIREMENT: Depending on work assignment, must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety.