

MAINTENANCE MECHANIC (WELDER)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, the incumbent performs a wide variety of welding work ranging from the simple welding of non-carrying metal parts and pieces to moving parts in heavy machinery and structural steel. Most of the work is with iron and steel, but it is necessary to work with all types of metals as the occasion arises. Additionally, responsibilities include assisting in the dismantling of worn machinery and equipment and the installation of new machinery and equipment. Work assignments are initiated by oral instructions, or written work orders and require some technical supervision from engineering personnel. The more complex jobs require working from blueprints or rough sketches. Supervision may be exercised over a small number of assistants. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Operates oxyacetylene and electric arc welding machines in cutting and welding structural steel beams, columns, plates, flooring, brackets, etc.;

Cuts, welds, brazes and solders metal parts in the repair and replacement of parts for mechanical equipment, or in the repair, replacement or installation of structural steel;

Follows blueprints in doing structural or major mechanical repair work;

Overhauls, repairs or replaces metal parts where welding or associated metal work is the major skill required;

Aligns, sets in place and welds bases for motors, pumps and other mechanical equipment;

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.;

Fashions, repairs or replaces tools and equipment such as incinerator rings, rakes, plows and plow parts, push frames for trucks, truck bodies, fenders, etc.;

Cuts and welds iron or steel pipe in the repair of sewer lines;

Assists in the dismantling of worn machinery and equipment and assists in the installation of new machinery and equipment;

Repairs old equipment and keeps it in good condition;

Performs miscellaneous related duties such as driving a truck, substituting for regular sewer plant help in emergencies, etc.

May operate trailer trucks for towing, or front end loader and snow plow to perform snow removal duties as necessary.

REQUIRED KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of the tools, techniques and terminology associated with the welding trade; good knowledge of the accident and safety precautions of the trade; a familiarity with structural steel and metal machine parts and appurtenances of the types 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 a high degree of skill, and particularly with iron and steel; ability to read blueprints and rough sketches; ability to follow oral and written instructions; ability to get along well with others; resourcefulness in working out new welding problems; initiative in successfully completing assigned work; industriousness; physical strength and agility; good health, physical condition commensurate with the duties of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: Either: (a) graduation from high or trade school or possession of a high school equivalency diploma and three (3) years of experience in welding work; or (b) graduation from a two year post high or trade school course in mechanical work and including courses in welding at a school of applied arts and sciences and one (1) year of experience in welding work; or (c) seven (7) years of experience in welding work.

SPECIAL REQUIREMENT: Possession of a valid license to operate a motor vehicle in New York State, appropriate for the type of equipment to be operated. It is the responsibility of the appointing authority to verify and ensure that the candidate meets these conditions at time of appointment and throughout the course of employment.

SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS:

In accordance with the Safe Schools Against Violence in Education (SAVE) legislation, Chapter 180 of the Laws of 2000, and by the Regulations of the Commissioner of Education, candidates for appointment in school districts must obtain clearance for employment from the State Education Department prior to employment based upon a fingerprint and criminal history background check.

Towns, Villages,
School Districts,
Cities of Rye and Peekskill
J. C.: Non-competitive

Job Class Code: S468 (School Districts)
0468 (Municipalities)