

POWER GENERATION MECHANIC

DEFINITION

Under supervision, to perform skilled work in the preventive maintenance and mechanical repair of gas powered engines and electrical generation equipment and to do related work as required.

EXAMPLES OF DUTIES

Inspects, maintains and repairs varied equipment such as large gas engines, pumps, generators, switchgear and compressors; disassembles engines and does general engine overhaul work; adjust valves, adjust carburetor systems; bearing roll-ins; wires and reconditions electrical systems; repairs and replaces such other components as generators, relays, and air conditioning units; assists in building and fabricating construction, maintenance of other equipment; makes service calls on equipment to perform emergency repairs, conducts tests on equipment; maintains equipment in clean and orderly condition; may read and interpret blueprints; may perform welding, brazing, cutting, or other shop work; may perform semiskilled work in a variety of other trades such as plumbing, electrical, painting, heating and ventilating systems; may direct the work of others. Performs regular maintenance including oil sampling, oil changing, plug changing, cleaning and gapping.

EMPLOYMENT STANDARDS

Education and Experience: Any combination of training and experience equivalent to graduation from high school and three years of experience in the repair of gas engine and electrical generation equipment.

Knowledge, Skills and Ability: Knowledge of the standard practices, methods, tools and materials used in the maintenance and repair of gas engine and electrical generation equipment; knowledge of the standard practices, methods, tools, and materials used in mechanical trades; knowledge of the theory, care and operation of gas engines; skill diagnosing mechanical troubles and determining appropriate maintenance, repairing or replacing parts and equipment; ability to work from blueprints, sketches, and broken parts and to fabricate non-standard specialized equipment; ability to do all position welding; ability to instruct and train employees; ability to keep maintenance records; must be able to lift up to fifty (50) pounds unassisted and heavier loads with assistance.

Special requirements: Must have a valid Wisconsin class "A" Commercial driver's license. Must be available for emergency repairs on evenings and weekends.