

POWER EQUIPMENT MECHANIC

DEFINITION

Overhauls, repairs, and adjusts a wide variety of gasoline, diesel, or other alternative fuel-powered and/or manually operated equipment, including those with electrical start-up components.

TYPICAL DUTIES

- Performs journey-level mechanic duties by identifying, diagnosing, troubleshooting, and repairing various District power equipment, including but not limited to sweepers, air compressors, welders, mowers, edgers, blowers, trimmers, saws, generators, sprayers, and other grounds-keeping equipment.
- Diagnoses, repairs, and overhauls power equipment, including the inspection and replacement of broken or worn parts.
- Diagnoses source of trouble or failure in engine electronic computer units that may include the use of diagnostic scan tools.
- Fabricates and modifies parts of equipment, using arc, mig, oxygen or acetylene welding equipment, grinders, lathes, drill presses, and other machine shop equipment.
- Repairs hydraulic motors and pumps.
- Lubricates light and heavy duty power equipment.
- Repairs frames and guards on equipment.
- May perform wiring of light and heavy duty ride-on equipment.
- Estimates time and materials, initiates job requests, orders stock and nonstock parts and materials, and inspects for compliance with specifications.
- Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

A Power Equipment Mechanic overhauls, repairs, and adjusts a variety of gasoline, diesel, and other alternative fuel-powered and/or manually operated equipment and may participate in field repairs.

A Senior Power Equipment Mechanic performs lead work on repairs and maintenance of various types of gasoline, diesel, other alternative fuel-powered and/or manually operated equipment at a District location; assists a higher-level supervisor in managing the overall respective operations in the Power Equipment Mechanic Shops.

SUPERVISION

General supervision is received from a higher-level supervisor. Work direction may be received from a Senior Power Equipment Mechanic. No supervision is exercised.

CLASS QUALIFICATIONS

Knowledge of:

- Mechanics of internal combustion engines and the working mechanisms of gasoline, diesel, and other fuel-powered and manually operated equipment, including those with electrical start-up components
- Safety practices required in the use of garage equipment and the performance of repair work on electrical and fuel systems
- Methods, techniques, parts, tools and materials used in the maintenance and repair of gasoline, diesel, other alternative fuel-operated and/or manually operated equipment
- Basic arithmetic

Ability to:

- Operate various types of welding equipment and machine tools, including valve grinders, lathes, and drill presses
- Operate and maintain a wide variety of hand, power, shop tools, and equipment common to the field Comply with regulatory District specifications and industry safety standards
- Read and interpret drawings, schematics, and specifications
- Recognize, analyze, and deal effectively with problems and issues
- Manage multiple projects simultaneously
- Complete work assignments without close supervision
- Work effectively with administrators, other District personnel, and the public

Special Physical Requirements:

- Ability to stand, walk, bend, crawl, climb, reach overhead, crouch, kneel, balance, push, pull, and safely lift up and carry items weighing up to 60 pounds of equipment and material
- Ability to work safely in confined spaces
- Ability to work under various weather conditions
- Ability to work in an environment exposed to mechanical moving parts, fumes, and airborne particles
- Adequate color perception to distinguish power equipment parts
- Normal or correctable hearing and visual acuity to diagnose and repair power equipment
- Normal sense of smell to detect burning parts in power equipment

ENTRANCE QUALIFICATIONS

Education:

- Graduation from high school or evidence of equivalent educational proficiency.

Experience:

- One year of experience as an automotive or power equipment mechanic.

Special:

Employment is subject to medical clearance and pertinent provisions of the General Industry Safety Orders of the California Code of Regulations regarding protective equipment when exposed to hazardous materials including, but not limited to, asbestos or lead.

A valid California Driver License

Use of an automobile

This class description is not a complete statement of essential functions, responsibilities, or requirements. Requirements are representative of the minimum level of knowledge, skill, and/or abilities. Management retains the discretion to add or change typical duties of a position at any time.

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