

POWER EQUIPMENT MECHANIC

DEFINITION

Performs journey-level work in the diagnosis, overhaul, maintenance, and repair of light-duty power equipment and performs minor repairs and maintenance on automotive equipment.

TYPICAL DUTIES

Performs the following duties on power equipment such as sweepers, air compressors, mowers, edgers, chainsaws, blowers, trimmers, generators, trash compactors and sprayers:

Removes and replaces pistons; adjusts bearings; grinds valves; fits piston rings; tunes motors; repairs magnetos; repairs, fabricates and replaces bushing units; cleans, adjusts and repairs carburetors; and overhauls, repairs, cleans, and adjusts clutch and differential assemblies.

Performs the following duties on automotive equipment:

Performs minor tune-ups; adjusts carburetors; adjusts brakes; changes tires and balances wheels; checks and dispenses fuel, oil, water, brake fluid and antifreeze; tests, recharges, and changes batteries; performs oxygen-acetylene and electric welding.

Diagnoses causes of equipment malfunction.

Orders supplies, parts, and tools needed for repairs.

Maintains equipment service and repair records.

Maintains an inventory of supplies and tools for assigned area/projects.

Makes recommendations regarding equipment replacement and repair by outside vendors.

Maintains shop in a clean, safe, and organized manner.

May perform minor maintenance on tractors.

May fabricate and modify parts of equipment.

May assign, review the work of, and provide training to assigned lower-level staff.

Performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS

A **Power Equipment Mechanic** repairs, overhauls, and maintains a variety of light-duty power equipment and performs minor repairs and maintenance on automotive equipment.

An **Automotive Mechanic** repairs, overhauls, and maintains light-, medium-, and heavy-duty automotive equipment including motorized farm and garden equipment.

SUPERVISION

General supervision is received from a General Foreman or facilities management personnel. Work direction may be provided to Maintenance Assistants.

CLASS QUALIFICATIONS

Knowledge of:

- Types and models and operation of power and automotive equipment
- Operating principles and performance characteristics of small engines and generators
- Basic principles of automotive mechanics and electrical wiring systems
- Shop mathematics applicable to vehicle maintenance
- Basic oxygen-acetylene and electric welding
- Tools, diagnostic instruments, materials, and parts involved in the repair and maintenance of power equipment and automotive equipment
- Safety precautions, practices, and procedures of the trade
- Basic recordkeeping procedures
- Basic operations of computer equipment

Skill in:

- The use of hand tools, power tools, and test instruments of the trade

Ability to:

- Diagnose and repair electric, electronic, and mechanical malfunctions in a wide range of light-duty power equipment
- Use hoist or other equipment to assist lifting
- Diagnose and make minor repairs on automotive equipment
- Read and interpret service and supply manuals
- Work independently
- Work effectively and cooperatively with District staff, students, and outside service Contractors
- Keep accurate records
- Learn general and specialized software applications
- Learn the characteristics of new equipment and update technical skills to adapt to changing technology

ENTRANCE QUALIFICATIONS

Education and Experience:

- Three years of full-time paid experience in the service and repair of light-duty power equipment. Experience in the repair and maintenance of automotive equipment is desirable.

Physical Requirements:

- Ability to lift and move items weighing up to fifty pounds.

Special:

- A valid Class "C" California driver's license.