



MAINTENANCE TECHNICIAN V- VEHICLE EQUIPMENT REPAIR

DEFINITION:

Under general supervision, performs various skilled and semi-skilled tasks in the maintenance and repair of buses, automobiles, trucks and other District mechanical equipment; performs vehicle and equipment inspections and preventive maintenance on vehicles and equipment.

DISTINGUISHING CHARACTERISTICS:

Positions in this classification series are distinguished by degrees of expertise, experience and ability to work independently on a variety of increasingly complex maintenance and repair tasks. The Maintenance Technician IV- Vehicle/Equipment Repair classification is considered an entry level journeyman position. The Maintenance Technician V- Vehicle/Equipment Repair classification operates at the journeyman level with up to four years of experience. The Maintenance Technician VI- Vehicle/Equipment Repair may serve as the lead in the series.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. Other duties may be assigned.

- Performs skilled and semi-skilled tasks in the maintenance and repair of gasoline and diesel buses, automobiles, trucks and other District mechanical equipment; performs vehicle and equipment inspections and preventive maintenance according to established guidelines and procedures.
- Operates computerized and specialized equipment in the testing, diagnosis and repair of vehicles; carries out a preventive maintenance program according to established procedures.
- Services and performs repairs on District equipment and vehicles including transmissions, brakes, air compressors, fuel systems, ignitions, valves and the major and minor overhaul of engines; performs repair and maintenance on vehicle lighting, vehicle air conditioning systems, belts and electrical systems; inspects, replaces, mounts and balances tires.
- Assures compliance with established safety standards; performs preventative maintenance tasks on vehicles and equipment as assigned; performs duties related to smog test preparation as assigned.
- Diagnoses and evaluates welding needs both arc and gas for various vehicle components as assigned.
- Maintains a variety of records related to maintenance activities, repairs and assigned duties.
- Communicates with personnel and various outside agencies to exchange information, coordinate activities and resolve issues or concerns related to vehicle maintenance and assigned activities.
- Maintains shop area, equipment and tools in a safe, clean and orderly condition.
- Operates a variety of specialized equipment including computers and assigned software, impact drivers, drills, lathes, grinders, welders and various hand and power tools; maintains equipment in proper working condition; drives a vehicle to conduct work.
- Repair generators, compressors, utility carts and other District equipment.

QUALIFICATIONS GUIDE

Knowledge of:

- Techniques, practices, theories and procedures vehicle and equipment maintenance and repair.
- Methods, equipment, tools and materials used in the repair and maintenance of vehicles.
- Diagnostic procedures for vehicles and equipment.
- Operation of a computer and assigned software.
- Preventative maintenance practices.
- Applicable laws, codes, regulations, policies and procedures.
- Shop math applicable to vehicle maintenance.
- Technical aspects of field of specialty.
- Oral and written communication skills.

- Record-keeping techniques.
- Health and safety regulations.
- Proper lifting techniques.

Ability to:

- Perform skilled mechanical work in the inspection, diagnosis, repair and maintenance of a variety of District vehicles and equipment.
- Operate computerized and specialized equipment used in the diagnosis and repair of vehicles.
- Diagnose and repair mechanical, electrical and computerized malfunctions.
- Perform preventive maintenance.
- Operate a computer and assigned software.
- Communicate effectively both orally and in writing.
- Work cooperatively with others.
- Interpret and apply applicable laws, codes, rules and regulations.
- Operate a variety of hand and power tools including welding equipment.
- Maintain a variety records related to work performed.
- Observe health and safety regulations.

EDUCATION/EXPERIENCE:

Any combination equivalent to: graduation from high school supplemented by vocational coursework in automotive and mechanical repair or maintenance and four years of journey-level experience in heavy-duty mechanical repair work.

LICENSES AND OTHER REQUIREMENTS:

- Valid California Class C driver's license.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Regularly lift and/or move up to 50 pounds; lifting, carrying, pushing or pulling heavy objects up 100 pounds with assistance.
- Bending at the waist, kneeling or crouching.
- Reaching overhead, above the shoulders and horizontally.
- Dexterity of hands and fingers to operate power tools and equipment.
- Seeing to observe and perform repairs.
- Hearing and speaking to exchange information.

WORK ENVIRONMENT:

Vehicle and equipment repair shop environment. Seasonal heat and cold or adverse weather conditions. Driving a vehicle to conduct work. Regular exposure to fumes, dust and odors. The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. The noise level in the work environment is usually moderate.

Hazards include:

- Exposure to chemical fumes and vapors such as gasoline and diesel fuel.
- Working in a cramped or restrictive work chamber.
- Working around or with machinery having moving parts.
- Hazardous materials.