



Monterey Regional Waste Management District

Job Description

Position:	Heavy Equipment Technician III	Department:	Shop
Position Status:	Full Time/Non-exempt	Bargaining Unit:	Operations Unit
Reports to:	Equipment Maintenance Manager	Revised:	February 2017

DEFINITION

Under general supervision, the Heavy Equipment Mechanic is fully experienced at journey-level mechanical work and skilled in the repair and maintenance of heavy duty on/off road, and automotive equipment. Incumbent performs a variety of difficult inspections, mechanical diagnosis, maintenance and servicing, and repair work on all types of vehicles used by the district including Materials Recovery Facility (MRF) mobile and stationary equipment. May perform other job related duties as required.

DISTINGUISHING CHARACTERISTICS:

This classification is senior to the Assistant Mechanic I, II and incumbents must possess the knowledge and skill to perform complex and skilled mechanical work on heavy equipment.

ESSENTIAL FUNCTIONS

- Inspects, troubleshoots, and repairs mechanical and/or electrical defects on District automobiles and equipment.
- Performs detailed inspections such as BIT inspections.
- Identifies defects, services, makes repairs and adjustments to various systems components and systems electrical on a variety of District equipment.
- Performs gas and electrical welding, fabrication and application of wear prevention materials related to mobile and stationary equipment.
- Completes repair orders, inspection checklists, and account for all time and materials as it relates to the repair and maintenance of equipment.
- Road test repaired equipment.
- Operates District equipment to fill in for equipment operators, as needed.
- Speak, read English to carry out oral and written instructions and understand, repair and parts manuals.
- Adhere to an assigned work schedule and meet District attendance standards.
- All District positions require the employee to provide good customer service to both internal and external customers, maintain positive and effective working relationships with other District employees. Must show cooperation and respect to fellow employees and supervisors at all times.

SUPERVISORY RESPONSIBILITIES

The incumbent in this position provides lead direction and work coordination for Assistant Mechanics and/or other District personnel as assigned.

DUTIES AND RESPONSIBILITIES

The following duties are typical of this classification and are intended only to describe the various types of work that may be performed, the level of technical complexity of the assignment(s), and are not intended to be an all-inclusive list of duties. The omission of a specific duty statement does not exclude it from the position if the work is consistent with the concept of the classification, or is similar or closely related to another duty statement to address business needs and changing business practices.

- Independently performs inspections and repairs on light trucks, heavy duty trucks, heavy duty truck bodies, live floor trailers, heavy equipment, forklifts, aerial and scissor lifts, light towers, portable and small engine equipment.

- Inspects, troubleshoots, maintains and repairs mechanical and/or electrical defects on conveyors, grinders and other equipment in the Materials Recovery Facility, when needed.
- Repair other District stationary equipment including gates, well pumps, electrical fixtures, and plumbing fixtures, as needed.
- Maintains systems components and electrical systems, to include but not limited to, gasoline, propane, CNG and diesel engines, fuel systems, air intake systems, exhaust systems, cooling systems, air conditioning systems, lighting systems, warning devices and radios, charging systems, computer controlled systems, transmissions, PTO drives, differentials, drivetrain, tire and wheel, undercarriage, suspension, hydraulic and air brake systems, cab, body, chassis, operator controls, operator monitoring systems, operator warning systems, hydraulic systems, load and material handling.
- Follows and completes a detailed inspection check list.
- List and reports all defects found during inspections.

QUALIFICATIONS

Knowledge of:

- Safe work practices, procedures and Personal Protective Equipment (PPE).
- Lock Out Tag Out and Control of Stored Hazardous Energy.
- Principles, methods, materials, equipment, procedures, and practices used in automotive, heavy, industrial, and power-driven equipment maintenance and repair.
- Gasoline, Diesel, Propane and CNG powered equipment.
- Fundamentals of electricity, both AC and DC.
- Caterpillar ET diagnostic troubleshooting software.
- Nemisys full function automotive scan tool.
- Inline 6 Cummins diagnostic troubleshooting software.
- Complex electrical systems and components troubleshooting.
- Hydraulic valves, components and controls.
- Hydraulic and air brake systems and components.
- Operation, care, and maintenance of gasoline and diesel engines and components.
- Principles and methods of gas and electrical welding.
- Principles and methods of preventive maintenance.
- Maintenance of aerial lift equipment, light towers, small engine pumps and generators.
- Skills in the care and use of hand and power tools.

Ability to:

- Ability to work safely without presenting a threat to self or others.
- Inspect and locate mechanical and electrical defects on automotive equipment, heavy equipment, industrial and power-driven equipment.
- Diagnose mechanical and electrical problems and determine corrective procedures.
- Skillfully use a variety of hand and power tools in the maintenance and repair of automotive equipment, heavy equipment, industrial and power-driven equipment.
- Perform skilled testing, adjustment, repair and diagnostic work as described in Essential Functions section of this job description.
- Perform gas and electrical welding.
- Estimate time, labor, and materials cost for maintenance and repair projects.
- Prepare and maintain a variety of reports to include repair orders and inspections check lists.
- Operate use hand tools and equipment in a safe manner.
- Carry out preventive maintenance programs.
- Apply sound judgment in a variety of circumstances with or without specific instructions.

- Adhere to an assigned work schedule and meet District attendance standards.

Training, Education and Experience: Any combination of training, education and experience which would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

Five (5) years of increasingly responsible journey level work experience performing skilled maintenance and repair work on automotive, heavy, industrial, and other power-driven equipment, including substantial experience on diesel engines, hydraulic systems, and heavy equipment drivetrain and electrical systems. High School Diploma and two years of college level course work in automotive repair or related field, desired.

Special Requirements:

- California Driver's License Class C
- Must acquire and maintain a California Class B Driver's License within six months of employment, as a condition of employment.
- Incumbents are expected to provide their own tools.

TYPICAL WORKING CONDITIONS:

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

Physical Demands - Frequently stand and walk on flat and uneven surfaces, steps and ladders; bend at waist and reach over mechanical equipment for extended periods of time, lay under equipment for extended periods of time; ability to frequently lift and/or move up to 50 pounds; vision sufficient to read printed material and/or manuals, acute vision, depth perception and peripheral visions, visual color discrimination; hearing sufficient to conduct in person and telephone conversations; physical agility to push/pull, squat, crouch, kneel, twist, turn, bend at waist, stoop and reach overhead; physical mobility sufficient to move about the maintenance shop and District grounds during inspections; manual dexterity and hand-eye coordination sufficient to use hand tools and shop equipment; write, use telephone, computer, business machines and related equipment.

Mental Demands - While performing the duties of this class, employees are regularly required to use oral communication skills; read and interpret data, information and documents; learn and apply new information or skills; perform detailed work on multiple, concurrent tasks with constant interruptions; work under deadlines and interact with all levels of District management and personnel, and the public.

Work Environment - Normally work is performed in both indoor and outdoor environments; occasionally will be exposed to varying temperatures; regular exposure to exposure to dirt, dust, fumes, grease, oil, noise, garbage, foul odors; moderate exposure to electrical current and energy; often works around moving vehicles and equipment; constant contact with staff and the public.