



Monterey Regional Waste Management District

Job Description

Position:	Sr. Heavy Equipment Technician	Department:	Maintenance Shop
Position Status:	Full Time/Non-exempt	Bargaining Unit:	Operations Unit
Reports to:	Shop Supervisor/Shop Manager	Revised:	June 2020

DEFINITION

The Sr. Heavy Equipment Technician performs highly-skilled, journey-level technical and mechanical inspections, diagnosis, repair and servicing of electrical, hydraulic, suspension, brake and other systems on automotive vehicles, on/off road heavy equipment and other mobile and stationary equipment with minimal supervision. The incumbent provides training to lower-level classifications.

DISTINGUISHING CHARACTERISTICS:

This classification is senior to the Heavy Equipment Technician I, II, III. An incumbent provides lead direction and work coordination of Heavy Equipment Technicians and Assistant Technician. In addition, incumbent performs difficult and complex repair work, and diagnose mechanical problems on heavy equipment as well as direct daily workflow for shop staff in absence of Shop Supervisor.

ESSENTIAL FUNCTIONS

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.

- Provides training and work coordination of shop staff engaged in maintenance and repair of equipment and vehicles.
- Inspect and locate mechanical and electrical defects on automotive equipment, heavy equipment, power-driven equipment, and a variety of fixed 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.
- Work independently and apply sound judgement and critical thinking skills in a variety of circumstances to make effective decisions.
- Speak, read English to carry out oral and written instructions and understand, repair and parts manuals.
- Adhere to an assigned work schedule, to include evenings and/or Saturdays, 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, and have regular and reliable attendance and timelines. Must work cooperatively and respectfully with fellow employees and supervisors.
- Performs other job-related duties as assigned.

SUPERVISORY RESPONSIBILITIES

The incumbent in this position provides lead direction and work coordination for Heavy Equipment Technician I,II,III, Mechanic Technician II, and other support staff in absence of Shop Supervisor.

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, balers, 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.
- Diagnostic 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.
- Understand and follow oral/written instruction and accept constructive criticism.
- 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.
- Operate use hand tools and equipment in a safe manner.
- Apply sound judgment in a variety of circumstances with or without specific instructions.
- Familiar with DOT CHP repair processes and controls for Drivers Vehicle Inspection Reports.
- Ability to effectively communicate mechanical issues and required repairs.
- Perform all tasks safely and in accordance with applicable OSHA rules and regulations.
- Consistently behaves in a manner that is appropriate and professional.
- Ability to read and comprehend service and technical information.
- Ability to perform physical requirements of the position with or without reasonable accommodations.

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:

- 5 years' experience in 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
- Trade School Certification or two years college course work in automotive repair or related field, desired.

Special Requirements:

- Continued possession of a valid California Driver's License, including on-going insurability to drive District vehicles.
- Must acquire and maintain a California Class B Driver's License with hazardous endorsement, within six months of employment, required.
- Incumbents are expected to provide their own tools.
- ASE Tire Certification preferred
- Welder Certification preferred
- Brakes Certification preferred
- CNG / LNG alternative fuel training preferred
- Computer diagnostic skills required

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.

ACKNOWLEDGEMENT

I verify that I have received a copy of the job description and I understand the requirements of this position.

Employee Signature

Date

Employee Name – Please Print