



Senior Equipment Mechanic

Class code: 425

Employee Group: SEIU

Salary Range: 20

I. Position Summary

Under general direction, to perform skilled and specialized electrical, machinist, maintenance and major mechanical repair to a variety of automobiles, trucks, machinery and equipment; to perform skilled welding duties related to the design, fabrication, and repair of maintenance and construction equipment; and, to perform related work as required.

II. Distinguishing Features

This is the advanced journey level classification in the Equipment Mechanic Series. This class is distinguished from the journey level in the greater complexity of work performed. Employees possess a significant level of technical and functional expertise specialized knowledge, abilities, skills and experience beyond that expected at the journey level. Employees in this class exercise technical and functional supervision over lower level positions.

III. Examples of Essential Position Duties

- Inspects and operates automotive and heavy equipment to diagnose defects; performs minor and major repairs and overhauls; provides work direction to other equipment mechanics.
- Evaluates automotive and mechanic equipment and recommend repair work as necessary.
- Diagnoses, repairs and replaces electrical systems and wiring, brake systems, cooling systems, clutches, transmissions, large gear boxes and differentials, hydraulic systems, steering systems, cooling systems, gas and diesel engines.
- Consults service, maintenance and operator manuals and design diagrams for repairs and replacement of parts and operating systems; review service records, work orders, parts sheets, and equipment installation lists, blueprints and electrical diagrams.
- Conducts pre and post trip inspection; completes inspection records and file.
- Prepares, updates and maintains repair, replacement and inventory records as required.
- Rebuilds hydraulic systems including pumps and motors, diesel and gas engines, pneumatic systems, transmissions, cylinders, and water pumps.
- Installs clutches and brake linings; makes necessary adjustments; repairs heavy duty air and hydraulic brake and suspension systems.
- Performs tune ups, lubes and repair to gasoline, propane, and diesel operated vehicles.
- Performs welding including sheet metal, hard surfacing, or repairing broken castings, using oxyacetylene or electrical arc welding equipment as required.
- Makes modifications and design changes to factory equipment to meet operational needs including the design, fabrication, and repair of hydraulic, air, roll over protection, and electrical systems in the shop or field as required.
- Installs, troubleshoots and repairs county vehicle and music radios and distance measuring devices; inspects and repairs lights, mirrors and vehicle accessories as required.
- Designs and fabricates equipment components, attachments and accessories; mills and shapes components for fabrication or repair of equipment.

- Reviews blueprints, plans and specifications and to fabricate bridge components and structures.
- May be assigned to operate a field service truck and make field repairs.
- Inspects, removes and repairs tires; repairs and changes broom cores and grader blades.
- Processes work orders; records maintenance and repairs made; completes activity logs and other records.
- Operates forklift and other vehicles and equipment in the performance of duties.
- Picks up and delivers vehicle and equipment parts.
- May serve as shop foreman in his absence.
- Steam cleans and maintains equipment and shop area.
- Adheres to County and departmental policies and procedures as well as safe work practices, policies and procedures.
- Develops and maintains effective working relationships with other staff, public officials, the general public and representatives of other agencies.
- Attends and participates in required trainings.
- Has regular and reliable attendance.
- Overtime may be required.
- Performs other related duties as assigned.

IV. Knowledge, Skills and Abilities

Requires considerable knowledge of principles, practices and techniques of automotive diagnostics and methods and practices of repair; overhauling automotive and construction equipment; radiator maintenance and repair; diesel -powered equipment. Ability to make the most difficult and complex repairs of County equipment; read, understand and apply information obtained from a variety of written materials and sources including maintenance manuals, blueprints, electrical diagrams, vehicle maintenance and repair reports and records, work orders and related documents; inspect, diagnose, repair, remove, replace, design, fabricate and install a variety of automotive and equipment systems, parts, attachments, and accessories; knowledge of state and federal welding standards and the various methods and techniques of welding; use of machinists lathe, mill or shaper, steel cutting, bending, and forming equipment; follow oral and written instructions; perform assigned work in a safe manner; prepare and maintain reports, records, logs and lists associated with assigned work; fabricate parts and tools to meet specific equipment needs; use and operate a variety of diagnostic and other equipment, tools, vehicles, and heavy equipment, power and hand tools; establish and maintain cooperative working relationships with those contacted in the course of work; use basic arithmetic to calculate angles and measure cuts, test equipment, determine ratios and tolerances and alignments, and calculate discounts; prioritize work to meet established deadlines; use a variety of supplies including sprays, lubricants, and abrasives and paints; operate office machines including answering machine, computer and peripheral equipment; and interpret and explain division policies and procedures as necessary.

V. Minimum Requirements (*Performance of the essential duties of this position includes the following requirements, physical demands and/or working conditions*)

Education and Experience

- Any combination of education and experience equivalent to graduation from high school AND four years of experience as a journeyman mechanic, preferably including experience in the maintenance and repair of automotive or related equipment maintenance from an accredited school; OR

- Any combination of education and experience which provides the applicant with the desired skills, knowledge, and ability required to perform the job.

Licenses, Certificates and Other

Possession of a current, Oregon drivers license with an acceptable driving record. Need to be able to obtain an Oregon Class "B" Commercial Driver's License within six months of hire. May be required to obtain a Crane Operators License and Bucket Truck Operators License.

Physical Demands (*Performance of the essential duties of this position includes the following physical demands and/or working conditions*)

Requires the ability to exert a considerable amount of force frequently to lift, carry, push, pull or otherwise move objects and to stoop, crouch, climb and lift in performance of manual labor; perceive color, odor, texture and sound; operate a variety of tools, equipment and vehicles used in performance of daily tasks; ability to work around electrical currents and/or hazardous materials in a safe manner; may be subject to uncomfortable working conditions including exposure to dust, noise, heat or cold; drive and operate a variety of automotive vehicles and construction equipment. Required to furnish and maintain a tool box and tool set through 3/4" drive.

Working Environments

Incumbents are exposed to adverse weather, including extreme temperatures, rain, snow, sleet and hail. Incumbents are also exposed to dangerous or unpleasant conditions and substances, including noise, dust, heat, cold, humidity, hot oil, asphalt, chemicals, traffic hazards, biohazards noxious plants and wildlife. May include exposure to disruptive people.

VI. Additional Information

This classification description is not intended to be an exhaustive list of duties, knowledge, skills, abilities, or requirements, as any one position in this classification may be assigned some or all of these duties, in addition to other duties not explicitly listed here. The various duties, responsibilities and/or assignments of this position may be unevenly balanced and change from time to time based upon matters such as, but not limited to, variations in the shift, work demands, seasons, service levels and management's decisions on how to best allocate department resources. Any shift, emphasis or rebalancing of these assigned duties, responsibilities and/or assignments does not constitute a change in the job classification.

Revised: 2/14