



Tuolumne Utilities District
Job Description
EQUIPMENT MECHANIC 2

POSITION:	Equipment Mechanic 2	DEPARTMENT:	Operations
REPORTS TO:	Fleet Foreman		
PAY RANGE:	36	DATE PREPARED:	September 2007
INCUMBENT:			

General Description:

Under direct supervision of the Fleet Foreman, inspects, diagnoses and repairs gasoline and diesel powered automotive, trucks, heavy equipment and a variety of other power-driven equipment; perform vehicle and equipment maintenance tasks requiring full journey level experience; perform electric-arc and acetylene welding and fabricating work; and to perform general repair, maintenance, grounds work and other related work as required.

Essential Functions: - *Essential responsibilities and duties may include, but are not limited to, the following:*

- Perform preventive maintenance and major repairs on automotive and diesel equipment, including automobiles, trucks, heavy equipment, generators, tractors, power motors, and grounds maintenance equipment.
- Replace and adjust components such as carburetors, fuel pumps, distributors, hydraulic cylinders, valve controls, generators, bearings and gears.
- Diagnose electrical problems and repair generators, alternators, and ignition systems.
- Check, clean, adjust, and replace breaker points and spark plugs.
- Diagnose, repair, and replace transmissions, clutch assemblies, differentials, and drive shafts; adjust and replace brake shoes, pads, and linings.
- Perform engine tune-ups; conduct front-end repairs on steering linkages, gearboxes and power steering pumps; repair radiators and replace water pumps and hoses.
- Service vehicles with oil, grease, water and hydraulic fluids; carry out a variety of preventative maintenance inspection and servicing tasks.
- Service and repair hydraulic pumps and equipment.
- Perform gas and electric-arc welding with rod and wire feed equipment on steel, iron, cast iron, aluminum, galvanized, and other metals.
- Fabricate brackets, boxes, attachments, structures, piping appurtenances and special tools and equipment.
- Measure, bend, cut, bore, shape, and finish pipe, sheet metal, metal plate, rods, and tubes using cutting torch, grinders, drill press, power shears, saw, pipe threader, and related tools and equipment.
- Perform the duties of the Fleet Foreman during his/her absence.

Qualification Requirements:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Knowledge of:

- Tools, equipment, and procedures used in the overhaul, repair, and adjustment of automotive, truck, tractor, and other power-driven equipment.
- Operation and care of internal combustion engines and their components.
- Hydraulic valves and controls, hydraulic and air brake systems, electronic ignition and computer command systems.
- Fundamentals of welding and methods used in electric-arc and acetylene welding.
- Welding equipment and supplies.
- Safe work practices.

Ability to:

- Inspect automotive and other power-driven equipment to locate and diagnose malfunctions.
- Perform minor and major repairs on various makes and models of vehicles, equipment, and machinery.
- Select appropriate rods based on materials to be welded and desired strength and ductility.
- Read blueprints, diagrams, rough sketches, and welding symbols.
- Use a variety of tools with skill and safety.
- Prepare and maintain required written records and reports.
- Understand and carry out oral and written directions.
- Establish and maintain cooperative and effective working relationships with those contacted in the course of the work.
- Read and write at the level required for successful job performance.

Physical Demands:

The physical demands described herein 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.

While performing the duties of this job, the employee is regularly required to speak and hear; sit at a computer for a period of time; walk, stand, kneel, crawl, climb, lift, push and pull up to 75 pounds, stoop, bend, squat, twist, turn and work in tight, confined space; use hands and fingers to write and to handle, gripe, feel and operate tools, pumps, equipment and machinery; and wear appropriate protective equipment, clothing, and respiratory protection equipment.

Specific vision abilities required by this job include close vision, distance vision, peripheral vision, and the ability to adjust focus.

Work Environment:

The work environment characteristics described below are representative of those an employee encounters while performing the essential functions of this position. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Outside: Drive a vehicle and perform vehicle and equipment repairs and maintenance in a variety of weather conditions ranging from snow to 100°F.
- Inside: Majority of work is performed indoors in an open air environment.
- Fumes/Gasses: Exposure to various solvents, oil, gasoline, diesel fuel, and dust. Exhaust fumes are mechanically controlled. Exposure to hot fluids under pressure. Fumes and gasses generated during welding processes.
- Noise/Vibration: Exposure to rotating live parts, i.e. fans, fan belts, etc., generators, compressors, pneumatic tools, and a variety of machine shop equipment and tools.

Other Requirements:**Education/Certification:**

- Certified as a Master Automobile Technician or a Master Heavy-Duty Truck Technician by the National Institute for Automotive Service Excellence (ASE).
- Preferred Certified by the American Welding Society in pipe or plate welding.
- High school diploma or general education degree (GED)
- Must possess a valid Class A California driver's license and have a satisfactory driving record.

Experience:

Minimum of five years experience in the repair and maintenance of gasoline and diesel powered vehicles and equipment.

Special Testing:

Drug/Alcohol Testing: This position is subject to drug and alcohol testing requirements of the Omnibus Transportation Employee Testing Act of 1991, under the administration of the Federal Department of Transportation.

FIT Testing: Pass FIT test requirements of Respiratory Protection Program.

Work Hours:

9:30 am – 6:00 p.m., Monday through Friday. Subject to change as required to meet the needs of the District. Is subject to after-hours calls and unscheduled work. Must be willing to work overtime and/or alternate schedule when required.