

**MERCED IRRIGATION DISTRICT
EQUIPMENT MECHANIC**

FLSA STATUS – Non-Exempt
Bargaining Unit – IBEW, Local 1245
Classification Level – Per IBEW Wage Schedule

DEFINITION

Under general supervision, make minor and major mechanical repairs to gasoline and diesel vehicles and other related equipment; operate lathes and welding equipment and perform related work as required.

ESSENTIAL FUNCTIONS OF THE POSITION

- Inspect, diagnose, and locate mechanical, electrical and hydraulic deficiencies on District automobiles, trucks and a variety of maintenance and construction equipment and make necessary repairs. Perform inspections on vehicles and equipment with air brakes, Department of Transportation (DOT) inspections, crane inspections and other inspections as requested or required.
- Determine extent of necessary repairs, needed parts and generate quotes for approval.
- Perform overhauls, repair/replace/adjust engines, transmissions (standard and automatic), differentials and clutches and estimate cost of referenced work.
- Tune-up engines, replace faulty parts including but not limited to wheel bearings, oil seals, shock absorbers, exhaust systems, steering mechanisms, and related parts and equipment. Mount and balance vehicle/truck tires and tractor tires.
- Make necessary repairs to ATV's, lawn mowers, chain saws and other small engine components.
- Enter repairs and repair requests into database.
- Prepare and replace miscellaneous components such as batteries, alternators, generators, distributors, relays, lights, valves, switches, etc.. Diagnose and trouble shoot AC systems.
- Install and maintain special equipment on District vehicles, trucks and construction equipment.
- Fabricate and modify parts as needed.
- Perform electric and acetylene welding, cutting and lathe work.
- Maintain work, time, and materials records.
- Makes a variety of repairs in and out of the District shop, as well as in the field when required.
- Build, repair and/or modify gates, valves and frames or other irrigation structural parts.
- Prepare reports upon request.
- Ability to be contacted and called out on emergency situations.
- Other duties as assigned or directed that are necessary to perform the essential functions of the position.

KNOWLEDGE AND ABILITIES

Knowledge of:

- Tools, equipment and procedures used in the overhaul, repair, and adjustment of automotive and related power driven equipment.
- Operating principles of gasoline and diesel engines and of mechanical repair of vehicles and equipment.
- Safe work practices.
- Repair of track layer equipment.
- Analyzers, scopes and electronic ignition test equipment.
- Maintenance and operation of hydraulic equipment.

Ability to:

- Ability to read and comprehend service manuals, electrical and hydraulic schematics and apply to the repair of referenced systems.
- Inspect gas and diesel power driven equipment to locate deficiencies and estimate the cost and time of repairs.
- Interpret diagnostic code readers, including the ability to use code reader (Scanner) to diagnose deficiencies.
- Perform minor and major mechanical repair on District-owned mechanical equipment.
- Use a variety of tools and equipment with skill.
- Mount and balance vehicle/truck/tractor tires.
- Maintain a variety of shop and repair records, including entering data into work order and database system.
- Diagnose and trouble shoot AC systems.
- Understand and carry out oral and written directions.
- Establish and maintain cooperative relationships with co-workers and those contacted in the course of work.

EXPERIENCE

- Three (3) years of experience in the repair of automotive and light and heavy power driven equipment.
- Three (3) years of experience with hydraulic system operations and procedures.

EDUCATION

- Any combination of education and experience equivalent to completion of High School.
- Any technical certificates are a plus.

NECESSARY SPECIAL EQUIPMENT

- Possession of an appropriate California Driver's License.
- A Department of Motor Vehicles "Driver Record Information" print-out will be required at time of hire. Must be enrolled in District's DMV pull-notice program.

TYPICAL PHYSICAL ACTIVITIES

The physical and mental demands of this position are described below. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of the position.

- Operates District vehicles going to and from job sites for equipment repair.
- Must be able to carry, push, pull, reach, and lift equipment and parts weighing up to 50 pounds and more on occasion.
- Communicates orally with District staff in face-to-face, one-to-one settings.
- Regularly uses a telephone for communication.
- Stands for extended periods of time.
- Work involves exposure to dust, lubricants, cleaning solutions and chemicals.
- Hearing and vision within normal ranges.

ENVIRONMENTAL FACTORS:

- Exposure to the sun: 50% or less work time spent outside a building and exposed to the sun.
- Some work performed in an outside environment.

ESSENTIAL MENTAL ABILITIES:

- Exercise independent judgment.
- Self directing and organized.
- Reason objectively.
- Assess, project and plan work activities on a daily and weekly basis.
- Document concisely, accurately and timely.