

EQUIPMENT TECHNICIAN II (LEADWORKER)

JOB PURPOSE AND SUMMARY

This position diagnoses problems and makes and supervises mechanical repairs to all types of equipment used in roadway maintenance for the Equipment Services Division. The intermediate level position requires vast experience in welding and fabrication, gas and diesel truck engine maintenance, and hydraulically operated equipment. Major duties include: inspecting, diagnosing, and making repairs to grounds maintenance equipment and the automotive fleet; designing, modifying, repairing, and installing hydraulic systems and components; and maintaining daily records.

CLASSIFICATION DISTINCTIONS

This is the intermediate or full working level in the Equipment Services job family, requiring a solid understanding of welding, fabrication, gas and diesel truck engine maintenance, and hydraulically operated equipment. Incumbents report to the Shop Foreman, however may be working at times without immediate accessibility to the supervisor. In the event that the Foreman is absent, the Equipment Mechanic II may be asked to resume responsibilities for the Foreman. The incumbent is responsible for a high degree of decision making and involvement in supervisory matters. The Equipment Mechanic II is distinguished from the I level in that it has a broader range of duties and authority with respect to taking independent action and working under far less supervision.

KEY OR TYPICAL TASKS AND RESPONSIBILITIES:

- Inspects, diagnoses and makes repairs to such mechanical equipment as passenger vehicles, power shovels, graders, dozers, heavy trucks and accessories, snow-goes, loaders, rollers, vac-all and all other County-owned equipment used in highway maintenance and construction.
- Grinds and seats valves; checks guides for wear and springs for tension and breakage.
- Replaces injectors and fuel pump and re-assembles to specifications.
- Checks transmission and replaces bearings, gear and forks if necessary.
- Pulls wheels and replaces or repacks wheel bearings and refaces or replaces drums; replaces brake lining and shoes; repairs air cans and checks systems for leaks; repairs air compressors and air governors.

- Operates such shop equipment as grinders, boring bars, vacuum gauge, voltage and regulator tester, wheel balancer, drill press, wheel pullers, lathes, jacks air tools, scope, dwell meter, timing light and various hand tools and other equipment used in automotive repairs.
- Designs, modifies, and installs hydraulic systems and other special accessories to the equipment on hand.
- Maintains shop records.
- May do some machinist, welder or blacksmith work; may do specialized work, such as body repair and painting.
- Road tests vehicles after repair.
- Supervises the work of level I Mechanics and assists in repairs.
- Perform work as required on boats, outboard motors, out-drives and related marine equipment.
- Provides guidance and training to workers and other staff with in assigned trade area.
- Keeps daily records by maintaining a notebook of work activities to give to the Shop Foreman, checking all swing shift time cards for accuracy and total hours, monitoring any unusual problems with workers, and checking jobs off job list when completed.
- Makes decisions on repairs by including scheduling “down time” for equipment, coordinating with operators for repair time, and verifying completed R/O’s with Fueler.
- Participates in weekly Monday meetings with Equipment Manager, Fleet Manager, and Shop Foreman discussing concerns about Equipment Shop, Road Department, other agencies, and policies with management first.
- Coordinates with Shop Foreman and Equipment Manager for monthly Preventive Maintenance Program (PMP).
- Follows closing procedures at end of shift including signing off computer, turning off lights, securing and locking all doors, walking through complex and checking that all doors are locked and lights and equipment are off, and locking the North and South gates.
- Performs other work as required.

QUALIFICATIONS

Education and Experience:

- Three (3) years of experience as a journey level equipment/vehicle mechanic. Certified vocational course work or training relating to repair and maintenance of various fleet equipment may substitute for up to one (1) year of the required experience. At least five (5) years of experience working on diesel truck engines and hydraulically operated equipment is highly desirable.
- Must possess a valid motor vehicle operator's license.
- Must possess or be able to obtain a Commercial Drivers License with air brake and HAZMAT (Hazardous Materials) endorsement, within one (1) month of hire.
- Experience in welding and fabrication is highly desirable.

Any combination of education, experience, and training that would demonstrate the ability to perform the work will be considered.

Knowledge of...gas and diesel truck engines and hydraulically operated equipment; mechanical repair and preventive maintenance.

Ability to...independently perform major repairs and maintenance on a variety of diesel trucks; read and comprehend service and equipment manuals; operate large and small equipment, motor vehicles, and tools in a safe and efficient manner; work independently in the performance of regular duties; accurately and neatly record and maintain a variety of data.

WORK ENVIRONMENT & PHYSICAL DEMANDS:

Incumbents typically perform physically demanding work involving standing, walking, bending, crawling, and stooping for extended periods of time; lifting equipment and materials; and working in varied weather conditions. Adverse conditions include frequent noise and occasional exposure to temperature extremes, dangerous equipment, chemicals, and noxious odors/fumes.

Office use: 6/22/00