

# **EQUIPMENT TECHNICIAN I**

## **JOB PURPOSE AND SUMMARY**

This position diagnoses problems and makes mechanical repairs to all types of equipment used in roadway and parts maintenance and performs vehicular maintenance for all county departments. The Technician at times will be working in the field three or more hours per shift servicing equipment. This is a journey level position requiring experience in welding and fabrication, maintaining gas and diesel truck engines, and hydraulically operated equipment. Major duties include: inspecting, diagnosing, and making repairs to road construction and grounds maintenance equipment and automotive fleet; and designing, modifying, repairing, and installing hydraulic systems and components.

## **CLASSIFICATION DISTINCTIONS**

This is the journey level in the Equipment Services job family. The Technician I reports directly to the Technician II/Leadworker and/or Equipment Repair Supervisor. The Technician I level is distinguished from the Apprentice level in that Technician I's are expected to have completed the equivalent of a structured apprenticeship program and, where applicable, to hold the appropriate certificate. The Apprentice, on the other hand, is part of an in-house apprenticeship program, designed to lead to the Technician I level following the completion of program elements.

## **KEY OR TYPICAL TASKS AND RESPONSIBILITIES**

(The following are examples only. Other tasks of a similar level of difficulty and responsibility may be assigned. Also, assignments of a more difficult nature may be required to aid in the development of the employee for future advancement.)

- Inspects, diagnoses and makes repairs to mechanical equipment such as passenger vehicles, back hoes, excavators, graders, dozers, heavy trucks and accessories, snow removal equipment, loaders, rollers, vector control 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 manual and automatic transmissions and replaces bearings, gears 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, AC recovery, vacuum gauge, voltage and regulator tester, wheel balancer, drill press, wheel pullers, lathes, jacks air tools, scope, dwell meter, timing light and various diagnostic hand tools and other equipment used in automotive repairs and diagnoses.
- Performs electronic tune-ups and adjustments and uses a variety of diagnostic machines.
- 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 apprentice mechanics.
- Perform work as required on boats, outboard motors, out-drives and related marine equipment.
- Performs other work as required.

## **QUALIFICATIONS**

### **Education and Experience:**

- Three (3) years of experience as a journey level equipment/vehicle Technician 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. 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 Class A with air brake and HAZMAT (Hazardous Materials) endorsement and passenger 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, industrial construction equipment, chemicals, and noxious odors/fumes. Must be able to lift and/or move 100 lbs.

The work place is in compliance with Environmental Management System standards and operating procedures. Incumbents perform their tasks and activities in accordance with these standards.

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