

## **Equipment Mechanic**

### **Salary Grade 15**

Schedules and performs responsible and specialized skilled mechanical work on a variety of automotive, construction, and specialized equipment.

An employee in this class operates the garage and serves as a skilled mechanic in the garage. The employee performs automotive and mechanical work repairing gasoline and diesel engines and other vehicle systems and performing preventative maintenance. The work requires operation of various test equipment and hand tools in order to support the work activities. Work includes scheduling vehicles for maintenance and repair, estimating repair jobs, ordering parts, and coordinating subcontracted work. The employee is subject to hazards associated with mechanical repairs including working in both inside and outside environments, and exposure to various hazards such as loud noises, vibration, moving mechanical parts, electrical currents, chemicals, fumes, odors, dusts, mists, gases, and oils. The position is considered a safety sensitive role. Work is performed under the supervision of the Director of Public Works & Utilities and is evaluated by observation and the quality and quantity of the work performed.

#### **Key Duties and Responsibilities**

- Diagnoses, adjusts, repairs, and services a variety of cars, light and heavy construction equipment, trucks, and related equipment.
- Diagnoses, repairs and overhauls brakes, ignition and fuel systems, hydraulic systems, differentials, and front and rear axle assemblies.
- Operates equipment such as jack lifts, tire changes, air guns, battery charges, wrenches, cranes, air compressors, and other hand tools.
- Checks and replaces brakes. Changes and repairs tires.
- Lubricates, repairs, and replaces parts and filters; cleans and replaces spark plugs, installs radiator hoses, and replaces belts.
- Performs electrical work on automotive equipment such as diagnosing electrical shorts, installing batteries and terminals, repairing and adjusting lights, and replacing wiring.
- Estimates materials needed for repair, locates and orders parts.
- Schedules preventative maintenance.
- Recommends jobs for subcontracting, coordinates with contractors, and reviews completed work for completeness and quality.
- Maintains vehicle and garage records.
- Maintains an inventory of commonly used parts.
- Cleans and arranges tools and garage area.

#### **Additional Duties**

- Performs related duties as required.
- May conduct and assist in building repairs.

#### **Knowledge, Skills, and Abilities**

- Working knowledge of the methods, tools, and parts and equipment used in the repair of light automotive cars, trucks, and heavy construction and public safety equipment.
- Working knowledge of gasoline and diesel engine operation and repair.
- Working knowledge of electrical, hydraulic, vacuum, and break systems.

- Working knowledge of the occupational hazards and related safety precautions of mechanical work.
- Ability to diagnose mechanical problems and to detect by inspection any worn or broken parts.
- Ability to read and understand service manuals and schematic drawings.
- Ability to operate vehicles safely.
- Ability to follow oral and written instructions accurately.
- Ability to establish and maintain effective working relationships with employees and supervisors.
- Ability to record and maintain records of work activities and parts.

#### **Physical Requirements**

- Must be able to physically perform the basic life operational functions of climbing, balancing, stooping, kneeling, crouching, crawling, reaching, standing, walking, pushing, pulling, lifting, grasping, talking, hearing, and repetitive motions.
- Must be able to perform very heavy work exerting in excess of 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.
- Must possess the visual acuity to operate machines and equipment including close inspection of moving and small parts, use measurement devices, install and assemble parts, and maintain records.

#### **Desirable Education and Experience**

Graduation from high school supplemented by course work in automotive and equipment mechanics, and considerable related experience in repairing automotive, construction, and specialized equipment, or an equivalent combination of education and experience.

#### **Special Requirement**

Possession of a valid North Carolina commercial driver's license.