



## **Equipment Mechanic II**

**The Town of Stratford is currently accepting applications for the position of Equipment Mechanic II for the Public Works Department.**

### **OBJECTIVES**

Under the supervision of the Mechanic Crew Leader, performs highly skilled preventative, diagnostic, repair and overhaul equipment maintenance work of a wide variety of gasoline and diesel vehicles and equipment including complex hydraulic and gear transfer power systems. Work includes mechanical, electrical and hydraulic work, body repair, fabricating, welding and painting.

### **ESSENTIAL FUNCTIONS**

Performs inspections, repairs and preventative maintenance on a wide variety of Town, School and public safety motor vehicles including Fire trucks and heavy equipment to correct problems, prevent operating failure, extend the vehicle's life and enhance operating efficiency, using hand tools, machining equipment and precision-measuring instruments, according to accepted safety procedures

Diagnoses trouble, disassembles components, and examines parts for defects and excessive wear.

Reconditions and replaces parts such as pistons, bearings, gears, frames, brakes, valves and bushings, using shop machines, hand tools and precision-measuring instruments; works on air conditioning, and front ends.

Tests, adjusts, and repairs hydraulic systems; tests for leaks in the hydraulic systems; tests for vibration stresses; evaluates test results and takes corrective actions.

Maintains, diagnosis and repairs computer controlled emission systems, engine controls, solid state circuitry, antilock braking systems (ABS), diesel engines, automatic transmissions, lawn maintenance equipment, air conditioning systems and heavy duty air brake systems.

Performs body repair work caused by accidents including the replacement of body panels, noses, fenders, doors, hoods, bumpers, etc.; fiberglass repair; prepare, refinish, primer, paint, etc.

Repairs, rebuilds and reconditions heavy equipment such as payloaders, power sweepers, rollers, tractors, shovels, compactors, heavy trucks and other gasoline powered heavy machinery; fabricates and welds repair parts.

Operates truck performing emergency service calls for disabled heavy equipment.

Performs repair or adjustment tasks upon: differentials, transmissions, air brakes, vacuum power brakes, electronic ignitions, emission control systems, front and rear ends, gasoline engine, carburetors, alternators, generators as well as electrical systems and other maintenance tasks.

Participates with supervisor in locating components required for repairs.

Participates in training other mechanics and operators in the preventive maintenance of the heavier and more complex motor equipment.

Maintains routine job records.

Performs other related work as required.

### REQUIRED KNOWLEDGE, SKILLS AND ABILITIES

Considerable knowledge of gasoline and diesel automotive and equipment components and motors and of electrical hydraulic systems.

Considerable knowledge of automotive and equipment repair tools, equipment, practices, and safety procedures.

Considerable ability to operate a wide variety of hand tools, precision-measuring instruments and machine shop equipment.

Considerable ability to diagnose operating problems in automobiles and equipment.

Considerable ability to establish and maintain effective working relationships with superiors and associates.

Ability to read and interpret automotive electrical diagrams, equipment blueprints, cross reference charts and parts manuals,

Ability to accurately diagnose equipment failures as well as promptly and reliably repair a variety of heavy equipment.

Ability to understand and follow oral and written instructions.

Ability to properly maintain parts and supplies.

Ability to operate a variety of heavy construction and maintenance equipment in a safe manner.

Skill in the use and care of an acetylene cutting torch, machine shop equipment as well as the standard tools of the trade, heavy equipment operation.

Performs other related duties as required.

#### REQUIRED EQUIPMENT OPERATION

Uses journeyman level mechanical tools and equipment; tire mounting, and changing welding equipment, lifts, hoists and cranes; drives autos, trucks, vans and various other equipment used in all Town departments. Works for extended periods of time standing, under vehicles on lifts, leaning over vehicle fenders or lying backside on creeper or in crouched positions.

#### REQUIRED PHYSICAL EFFORT

Lifting and handling tires, rims brake drums, clutch assemblies, radiators, batteries, etc., (weighing over 100 pounds) and up to 10,000 pounds with the aide of a hoist or crane; working for extended period of time standing under vehicles on lifts, leaning over vehicle fenders or lying on backside on creeper or in crouched positions.

#### REQUIRED Qualifications (Minimum)

Graduation from high school or trade school or equivalent, plus specialized training in mechanics including diesel motors and four years of progressively responsible mechanic experience in repairing a variety of automobiles and equipment, or equivalent.

#### SPECIAL REQUIREMENTS

Must possess a valid Connecticut Commercial Drivers License (CDL) and a Heavy Duty Air Brake Systems Certification and Computer Controlled Air Conditioning Systems Certification.

#### Special Training / Certification:

- Upgraded knowledge of the latest advanced vehicle designs.
- Computer controlled emission systems, engine controls, solid state circuitry, antilock braking systems (ABS), diesel engines, automatic transmissions and lawn maintenance equipment and air conditioning systems.
- Body repair including fiberglass and electrical wiring.
- Hazardous materials and carcinogens.
- Mobile air conditioning
- Tow Motor Operator's License

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