

## **HEAVY EQUIPMENT MECHANIC**

**DISTINGUISHING FEATURES OF THE CLASS:** The incumbent in this class performs skilled repair and maintenance work on a variety of heavy vehicles and equipment. The skilled work involves responsibility for the efficient and workmanlike performance of mechanical repair and maintenance work of ordinary difficulty on a variety of automotive equipment and machinery. General instructions from supervisors are received regarding tasks to be performed but employees are permitted wide latitude and independent judgment in performing the details of the work. Supervision may be exercised over the work of Heavy Vehicle Maintenance Mechanic Helpers.

### **TYPICAL WORK ACTIVITIES:** (Illustrative Only)

- Performs general mechanical repair and maintenance work on light and heavy trucks, tractors, trailers, bulldozers, compactors, wheel loaders, backhoes, graders, sanitation and recycling collection vehicles, sweepers, air compressors and other heavy construction and automotive equipment;
- Repairs, replaces, disassembles, overhauls, adjusts or rebuilds gasoline and diesel motors, radiators, transmissions, differentials, carburetors, shock absorbers, clutches, brakes, front and rear axle assemblies, drive shafts, cylinder sleeves and pistons;
- Repairs or replaces ignition and electrical systems, hydraulic systems and steering mechanisms;
- Repairs or replaces fuel pumps, generators, alternators and starters;
- Tunes engines and sets timing;
- Aligns wheels, changes tires and repairs flats;
- Performs preventative maintenance work by checking a variety of automotive equipment and machinery for worn, damaged or defective parts by visual inspection, road tests, or by using testing devices and recommends and performs needed repairs;
- Makes welding repairs to automotive equipment and machinery;
- Mounts snow plows, sanders and auxiliary equipment, and connects hydraulic systems to vehicles;
- Performs minor body and fender work;
- Maintains simple records pertaining to work performed and parts and equipment used;
- Repairs and maintains landfill construction and compaction equipment in the field;
- Performs other related work as required.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS:**

- Good knowledge of standard automotive repair methods, practices, tools, terminology and safety precautions;
- Good knowledge of the principles of internal combustion engine operation;

- Good knowledge of automotive electrical systems;
- Demonstrated ability to make repairs on a variety of heavy construction and automotive equipment;
- Ability to locate and adjust motor equipment defects;
- Ability to diagnose engine trouble and test repair equipment;
- Ability to work from plans, specifications and rough sketches;
- Ability to follow oral and written directions;
- Ability to supervise the work of others;
- Skill in the use of standard automotive trade tools;
- Good motor, hand and eye coordination;
- Manual dexterity;
- Mechanical aptitude;
- Physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

1. Two (2) years of satisfactory full-time paid experience as a skilled Heavy Vehicle Automotive Mechanic or repairman in a garage or automotive repair shop; **OR**
2. Three (3) years of satisfactory full-time paid experience as a Heavy Vehicle Automotive Mechanic Helper; **OR**
3. Any equivalent combination of training and experience as defined by the limits of (1) and (2) above.

**SPECIAL REQUIREMENTS:**

- Must have a commercial driver's license, Class A;
- Incumbent will provide mechanics hand tools, up to and including ¾ inch drive SAE socket set and up to and including 1½ inch open end/box wrench set, assortment of screw drivers, pneumatic impact tools, etc.
- Specialty tools, consumables, lifting devices, compressors, etc., will be provided by the City of Albany.
- Replacement of incumbent tool inventory will be at the discretion of the Commissioner of the Department of General Services or his designee.

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