



AUTOMOTIVE MECHANIC

Jurisdiction Class: Non-Competitive
Civil Division: County
Adoption YCCSC: 04/03/1997
Revised by PO: 10/23/2017
Revised by PO: 3/9/2021

DISTINGUISHING FEATURES OF THE CLASS:

The work involves responsibility for the overhaul and repair of standard automotive and heavy equipment. The employee performs a full range of maintenance, repair and service activities. The work, which requires a thorough knowledge of the trade, is performed under general supervision with considerable leeway permitted for the exercise of independent judgment without the availability of supervision in carrying out work assignments. Does related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

Performs maintenance and repair activities on passenger vehicles and various pieces of heavy equipment including but not limited to heavy-duty truck and semi-tractors, excavators, bulldozers, graders, dump bodies, snow plows, backhoes, and trailers;

Diagnoses, services and repairs various systems that are found on pieces of heavy equipment such as mechanical and computer electronic controls, air brake systems, transmissions, computer controlled automatic and manual transmissions;

Troubleshoots malfunctions in the equipment and repair;

Fabricates, modifies, and installs special equipment or replacement parts using welders, torch sets, plasma cutter and metal cutting saws;

Performs routine maintenance checks and adjustments on such things as fluid levels, hoses, belts, brakes, tires, and clutches;

Changes filters and oil, and lubricates vehicles and motor driven equipment;

Tunes gas and diesel engines, services valves, fuel filters and turbo chargers, and pressure checks fuel filters, adjusts injector heights, fuel racks, governors, etc.;

Diagnoses problems, disassembles units, repairs or replaces parts, and reassembles units in brakes, cooling, drive, electrical, exhaust and emission control, heating and air conditioning, repairs or replaces heater cores, condensers, compressors, hoses, and controls, recharges air conditioning systems, hydraulic, steering and suspension system, coupling devices;

Overhauls engines, replaces engines, and rebuilds components;

Performs NYS Inspections on a variety of equipment;

Keeps tools, equipment, and work area clean, organized, and in good working condition;

May assist in training lower-level workers in mechanical repair techniques;

Road tests vehicles;

Performs a variety of duties in keeping records, and in preparing work orders;

Performs other duties as assigned.

FULL PERFORMANCE KNOWLEDGE, SKILLS. ABILITIES AND PERSONAL CHARACTERISTICS:

Knowledge of the standard practices, materials, tools, and equipment used in the repair and maintenance of motor vehicles and engines;

Knowledge of safety issues in the use of tools, equipment, and supplies used in repair of motorized vehicles and Equipment;

Knowledge of body and frame construction;

Skill in the use of a variety of hand tools;

Skill in the use of gas and electric welding equipment;

Skill in the use of mechanized tools, jacks, and hoist;

Skill in the use of a variety of diagnostic testing and tuning equipment;

Ability to diagnose mechanical, electrical and hydraulic malfunctions;
Ability to read manuals and schematics;
Ability to rebuild engines and major driveline components;
Ability to communicate with other mechanics about repair work needed;
Good motor and hand and eye coordination;
Manual dexterity;
Physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

Two (2) years of experience in the maintenance and repair of automotive/heavy equipment.

SPECIAL REQUIREMENT:

- a. Possession and maintenance of a NYS Class B driver's license; AND
- b. A NYS Motor Vehicle Inspector's License or the ability to obtain a NYS Motor Vehicle Inspector's License within one (1) year of appointment.

Note (County Only):

**Applicants who are interested in the position but do not have a CDL, may be considered for Motor Equipment Operator Trainee (See MEO Trainee job specification for further details).