

AUTOMOTIVE MECHANIC (DIESEL)

DISTINGUISHING FEATURES OF THE CLASS: The work involves performing repairs requiring a high level of skill to diesel and gasoline powered automotive equipment such as bulldozers, loaders, and heavy trucks. This class differs from Automotive Mechanic by virtue of required knowledge of and skill in maintaining fuel injection and supercharging systems common to diesel power plants. Incumbents also repair vehicle drive trains and chassis. General instructions are received regarding tasks to be done, permitting considerable leeway in planning the details of each assignment. An Automotive Mechanical (Diesel) does related work as required.

TYPICAL WORK ACTIVITIES:

- Performs skilled operations in repairing and overhauling diesel and large displacement gasoline powered motor equipment including trucks, tractors, loaders, bulldozers, and power shovels;
- Repairs and replaces oil and fuel pumps, alternators, fuel injectors, superchargers, and water pumps;
- Replaces engine block cylinder liners;
- Installs replacement main bearings and crankshafts;
- Adjusts connecting rods and bearings;
- Diagnoses trouble and repairs or overhauls brakes, transmissions, clutches, electrical and hydraulic systems, front and rear axles;
- Adjusts steering mechanisms and aligns wheels;
- Maintains sand spreaders, snow blowers, arc welders, portable compressors, and other powered equipment;
- Drives a pickup truck to reach disabled vehicles;
- Mounts and dismounts snowplow blades and other auxiliary equipment;
- May use an arc welder or acetylene torch to make repairs;
- May instruct others in diesel engine servicing procedures;
- Performs the duties of an Automotive Mechanic.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS:

Good knowledge of diesel and large displacement gasoline engines and methods associated with their maintenance; demonstrated ability to make repairs to diesel power plants; good knowledge of terminology, tools and safety precautions associated with automotive maintenance; working knowledge of machine shop procedures; ability to diagnose mechanical, electrical, and hydraulic defects in equipment; ability to work from plans and specifications and to follow rough sketches or oral instructions; ability to operate a motor vehicle safely and in accordance with vehicle and traffic laws; manual dexterity; mechanical aptitude; physical condition equal to the demands of the position.

MINIMUM QUALIFICATIONS: Two years experience, which shall have involved the repair and overhaul of automotive diesel engines.

NOTE: Successful completion of a certified training course in diesel engine repair offered by a New York State approved technical training institute may be substituted for one year of experience described above.

SPECIAL REQUIREMENT: In agencies where required, possession of appropriate class New York State motor vehicle operator's license at time of appointment.

CATTARAUGUS COUNTY CIVIL SERVICE COMMISSION

Adopted: 5/16/88

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