



**Cayuga County Department of Human Resources  
and Civil Service Commission**

**JOB SPECIFICATION**

Civil Service Title:	<b>AUTOMOTIVE MECHANIC (DIESEL)</b>
Jurisdictional Class:	Competitive
Civil Division:	County Highway
Adoption: CSM	4/10/96
Revised: CSM	1/8/03

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**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 Mechanic (Diesel) does related work as required as assigned by the Garage Manager.

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

Performs skilled operations in repairing and overhauling diesel and large displacement gasoline powered motor equipment including trucks, tractors, loaders, bulldozers, and power shovel type equipment;  
Repairs and replaces oil and fuel pumps, alternators, fuel injectors, superchargers, turbo chargers, and water pumps;  
Replaces engine block cylinder liners;  
Installs replacement main bearing and crankshafts;  
Adjusts connecting rods and bearings;  
Diagnoses trouble and repairs or overhauls brakes, transmissions, clutches, electrical and hydraulic systems, front and rear axles;  
Diagnoses and repairs hydraulic problems;  
Adjusts steering mechanisms and aligns wheels;  
Maintains sand spreaders, snow blowers, arch welders, portable compressors, and other power equipment;  
Drives a repair 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;  
May operate motor equipment for road maintenance.

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

Good knowledge of diesel and large displacement gasoline engines and methods associated with their maintenance;  
Skill to demonstrate 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: EITHER:**

(A) Graduation from a regionally accredited or New York State registered two-year college with an Associate's Degree in diesel technology, diesel mechanics, diesel and heavy equipment mechanics, diesel and industrial engine mechanics, diesel mechanics technology, or related field AND 1 year of experience involving the repair and maintenance of automotive diesel equipment; OR

(B) Three (3) years of experience as outlined in (A) above; OR

(C) An equivalent combination of training and experience as outlined in (A) and (B) above.

NOTE: Successful completion of a one-year training course in diesel engine repair or diesel mechanics from a technical training institute may be substituted for 1 year of the required experience described above.

**SPECIAL REQUIREMENTS FOR ACCEPTANCE OF APPLICATIONS:**

1. Possession of a Class B Commercial Drivers License (CDL) at time of appointment.
2. Certification by New York State DMV to conduct Heavy Vehicle Inspections at time of appointment.