

MECHANIC II

DESCRIPTION OF WORK

Work in this class involves the repair, maintenance, and rebuilding of gasoline or diesel powered automotive equipment and is performed on the journeyman level in accordance with established automotive repair and maintenance practices. Some individuals in this class may be given difficult specialized assignments in the repair of magnetos, carburetors, fuel injection systems, vacuum boosters, and generators. Work assignments are received from a shop foreman and are usually accompanied by general instruction regarding the repairs to be made, but the actual determination as to the repair methods or procedures to be followed is made by the Mechanic II who will secure the advice of the foreman on the more difficult jobs. Work may be inspected in the process through observations by or discussions with the foreman; or on completion, through road tests by the foreman or other departmental personnel.

EXAMPLES OF DUTIES PERFORMED

Grinds valves, turns armatures, adjusts carburetors, adjusts timing mechanisms, and repairs and replaces connecting rods, cam shafts, bearings, and piston rings.

Repairs, adjusts, or replaces generators, transmissions, clutch assemblies, as well as oil, fuel, and water pumps.

Repairs and replaces differentials, drive shafts, front end and steering mechanisms.

Tests and adjusts or repairs fuel injection pumps, generators, distributors, and other related ignition or fueled mechanisms.

Aligns and balances wheels, repairs and replaces brake drums, relines brakes, and fills braking system with fluid.

Repairs and adjusts steering assemblies.

Operates boring bar and other specialized power tools to recondition complete motor assemblies.

Checks lighting and wiring mechanisms to ensure proper functioning of headlights, spotlights, tail lights, and parking lights.

Disassembles damaged or worn tracks of tractors or power shovels and replaces worn parts.

Performs related duties as required.

RECRUITMENT STANDARDS

Knowledges, Skills, and Abilities

Working knowledge of the operating principles of internal combustion engines.

Working knowledge of the methods of adjusting and repairing the electrical wiring and generating systems of automotive equipment.

Ability to determine the causes of and the methods to be used in the repair of improperly operating automotive equipment.

Ability to read and comprehend repair manuals.

Physical strength and agility sufficient to move relatively heavy objects and to perform manual labor for considerable periods of time.

Minimum Education and Experience Requirements

High school or General Educational Development diploma and two years of experience in the repair of vehicles and/or equipment; or an equivalent combination of education and experience.

Necessary Special Qualifications

May require current certification by the EPA as a Type I, II, III or Universal technician as required by 40 CFR part 82, subpart F.

Special Note

This is a generalized representation of positions in this class and is not intended to identify essential functions per ADA. Examples of work are primarily essential functions of the majority of positions in this class, but may not be applicable to all positions.