

Fleet Mechanic II

CLASS SUMMARY:

Under minimal supervision, maintains, repairs and overhauls heavy and light trucks, construction equipment, automobiles, fire vehicles, police vehicles, small gasoline engines and similar equipment; operates a variety of hand, power and shop tools.

REPRESENTATIVE DUTIES:

The following typical tasks and responsibilities are representative of all positions in the class. They are descriptive, not limiting.

Essential Duties:

- Diagnoses and performs major repairs and overhauls to engines, involving inspection and replacement of broken or worn parts such as pistons, piston rings, valves, bearing, fittings, wrist pins, gaskets, etc.
- diagnoses and repairs, cleans adjusts and installs fuel, ignition, electrical and cooling systems involving repair and replacement of such parts as carburetors and fuel pumps, starter motors, distributors, generators, voltage regulators, wiring switches, batteries, and radiators, thermostats, water pumps, etc.
- diagnose, repairs and overhauls power transmission systems including such parts as clutches, automatic and standard transmissions, differential units, gears, bearing, universal joints and hydraulic units
- diagnoses and repairs and adjusts steering mechanisms and other controls, checking and aligning wheels
- repairs vehicle body and chassis parts, using hand and power tools, electric arc and oxy-acetylene welding equipment
- road tests vehicles
- drives trucks or equipment as required
- inspects vehicles in the shop and field
- diagnoses engine electronic computer using diagnostic scope
- smog checks and certifies vehicles; diagnoses and performs electrical, hydraulic and other repairs in the field
- performs preventive maintenance work on fire and police equipment, construction equipment, heavy trucks, street sweepers, automobiles, light trucks and other equipment
- reads and interprets manuals, drawings and specifications; estimates labor, material and equipment required to complete assignments
- makes oral and written reports of work performed; completes forms and keeps accurate maintenance records
- diagnoses, repairs and maintains vehicle air brakes, hydraulic systems and associated power take-off equipment
- modifies and fabricates new parts for truck bodies and similar equipment

- installs and repairs power take-off equipment such as small electric cranes, hoists and small hydraulic lift equipment
- performs welding work of vehicles, equipment and tools
- Fabricates metal parts for vehicles, equipment, tools, plates, grates, rubbish bins, etc.
- Straightens and repairs bent vehicles, equipment, and tools; fabricates and installs bumpers, tow bars, ladder racks, toolboxes, pipe railings, etc.
- reads and interprets blueprints, sketches, and rough drawings
- may direct and instruct other employees in the work
- ensures proper safety precautions are observed
- Performs preventive maintenance and service work, including tune-ups, checking and replenishing fluid levels, replacing hoses, belts, batteries, wiper blades, bulbs, lamps; may clean vehicles.

MINIMUM QUALIFICATIONS:

Knowledge of:

- Methods, techniques, parts, tools and materials used in the maintenance and repair of diesel and gasoline-powered vehicles and equipment
- operation and maintenance of a wide variety of hand, power and shop tools and equipment common to the field
- safe work methods and safety regulations pertaining to work
- use and operation of oxyacetylene and electric arc welding equipment and materials
- Practices and procedures of shop and field welding; welding properties of various metals and alloys.
- Ability to:
- Diagnose and repair a wide variety of diesel and gasoline-powered vehicles and equipment and related equipment
- operate and maintain a wide variety of hand, power and shop tools and equipment used in the work
- understand and follow oral and written instructions
- estimate necessary materials and equipment to complete assignments
- exercise independent judgment and initiative without close supervision
- prepare basic records and reports
- read and interpret manuals, specifications and drawings
- calculate shop mathematics
- establish and maintain effective working relationships with those encountered in the course of the work
- Fabricate and repair a wide variety of metal parts, equipment, and tools.
- Training and Experience:
- A typical way of obtaining the knowledge, skills, and abilities outlined above is:
- Five years of experience in the maintenance and repair of vehicles or heavy construction equipment including two years experience at a level equivalent to the Fleet Mechanic I class is required.

- Successful completion of appropriate trade school or technical coursework in diesel or gasoline-powered mechanics may be substituted for up to one year of the general work experience.

Licenses, Certificates or Special Requirements:

Possession of valid Class "C" California driver's license. A Class "A" California driver's license must be obtained within the six-month probationary period. Some positions may be required to possess a valid Class "A" smog license. May require certain State certifications or licenses as needed to perform job duties. Must provide own tools as per established guidelines.

Physical Conditions or Special Working Conditions:

Must possess sufficient strength and stamina to lift and remove or install parts weighing up to 80 pounds. Must be willing to work outdoors in all weather conditions and to work in confined areas, from heights, and with exposure to unpleasant and potentially hazardous conditions.

DISTINGUISHING CHARACTERISTICS:

This is the skilled, journey-level fleet mechanic class in this series. Under minimal supervision, incumbents perform the full range of assigned duties, assist in the training of other employees in a variety of fleet maintenance, and repair work. This class is distinguished from Mechanic III in that it is not a lead position.

Physical Profile: II,2,3,4,6,8,12,13,14,15,16,17,18,19,20

GRADE: 245
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