



FLEET MECHANIC I/II

DEFINITION

To perform fleet maintenance, including repair and maintenance of Department fire apparatus, passenger vehicles and fire equipment. Work performed covers a complete range of lube, preventative maintenance, diagnosis and repair of diesel and gasoline powered apparatus and equipment; and performs related work as required.

DISTINGUISHING CHARACTERISTICS

Mechanic I – This is the entry-level position in the Fire Mechanic Series. The class of Fire Mechanic I performs basic to moderately difficult mechanical work in the maintenance and repair of the Department's fleet.

Mechanic II – This class is distinguished from the Fire Mechanic I in that it is an advanced journey-level classification responsible for a more complex level of mechanical work.

SUPERVISION RECEIVED AND EXERCISED

Mechanic I

Receives general supervision from the Fleet and Facilities Manager.

Mechanic II

Receives general supervision from the Fleet and Facilities Manager. May exercise functional and technical supervision over lower-level personnel.

EXAMPLES OF DUTIES – The duties and responsibilities listed below are illustrative only and are not meant to be a full and exhaustive listing of all the duties and responsibilities of the classification:

Perform a variety of basic servicing, inspections, maintenance and repair work on Department vehicles including fire apparatus, involving all mechanical, electrical and hydraulic components, parts and accessories.

Perform service and maintenance of Department vehicles and fire apparatus and equipment, which may involve the repair of components such as drive train, chassis, computerized control systems, hydraulic and air brake systems, electrical systems, HVAC systems, and restraint systems.

May assist in the installation of specialized equipment including Code 3 equipment, GPS systems, camera systems, communication systems, and traffic control devices.

Use a variety of diagnosis equipment to determine problem source(s) and to ensure proper adjustment and operations of all systems; ascertain needed repairs; estimate time, materials and equipment required, and complete necessary forms.

May operate welding equipment in making repairs and fabricating parts and tools.

Perform road tests to check vehicles for proper operation of suspension, drive train electrical systems and air, hydraulic, and braking systems.

Perform emergency road service as directed; may be required to perform a variety of support functions, e.g., emergency scene diagnostics and repairs, refueling and other functions.

Assist in inspections of equipment and apparatus at fire stations.

Inventory materials, parts and supplies and monitor stock level based on usage and lead time; report replacement needs; verify incoming shipments for appropriate quantity and quality order, receive, stock and issue parts and supplies.

Input repair data and inspections into Department's computer systems.

MINIMUM QUALIFICATIONS:

Knowledge of:

Mechanical and electrical features of automotive, diesel and pumping equipment.

Basic skills to repair and maintain vehicles, such as light duty and heavy-duty vehicle service and repairs, DOT inspections, brake inspections and adjustments.

Tools, equipment and accepted procedures used in overhaul, repair and adjustment of heavy automotive, pumping and firefighting equipment.

Operation and repair of internal combustion engines.

Hazardous materials use and disposal practices.

Applicable federal, state, and local laws, codes, and regulations, including safety regulations, policies and procedures.

Effective methods of record keeping and inventory control.

Ability to:

Perform the duties required to analyze defects in automotive and fire apparatus and perform mechanical repairs.

Safely and efficiently operate equipment related to automotive and fire apparatus repairs and maintenance.

Work independently, understand and follow oral and written instructions and give understandable instructions to others.

Read and interpret vehicle plans, specifications, and manuals.

Operate required hand and power-driven tools, vehicles, and equipment in a safe manner.

Analyze problems, evaluate alternatives, and make sound decisions and recommendations.

Learn and use a variety of computer software applications related to the position.

Perform vehicle and equipment repair and periodic and annual testing.

Establish and maintain effective working relationships with those contacted in the course of the work.

Use personally owned small tools as needed.

Experience and Training:

Any combination of experience, education and training that would likely provide the required knowledge, skills and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

Mechanic I - Two years working experience as a mechanic involving light and heavy-duty equipment, including preventative maintenance inspections, suspension and steering, drive train, brakes, electrical and electronic systems. Experience with large and/or specialized vehicles, such as fire engines, command vehicles, and/or trucks, is very strongly desired.

Mechanic II - Three years of training and experience involving the maintenance and major and minor repair of fire apparatus, gas and diesel firefighting equipment or four years of skilled mechanic experience involving light and heavy-duty equipment including diesel and gas engine overhaul.

LICENSES AND CERTIFICATES

Mechanic I:

- Possession of a valid California driver's license upon appointment. Ability to obtain a Class B driver's license within six months of hiring. Must maintain a valid license with appropriate endorsements and a good driving record and meet requirements for renewal of required license.
- California State Fire Marshal Fire Mechanic I certification (or equivalent) within 12 months of appointment.
- ASE Certification in Medium-Heavy Brakes Certification within 12 months of appointment.

Mechanic II:

- Possession of a valid California driver's license upon appointment. Ability to obtain a Class B driver's license within six months of hiring. Must maintain a valid license with appropriate endorsements and a good driving record and meet requirements for renewal of required license.
- California State Fire Marshal Fire Mechanic II certification (or equivalent)
- ASE Certification Medium-Heavy Truck Masters Certification.
- Completion of Fire Mechanic 3B-Aerial Apparatus Course within 12 months of appointment.

ADA SPECIAL REQUIREMENTS

Essential duties require the following physical abilities and work environment:

Ability to sit, stand for long periods of time, walk, kneel, crouch, bend; ability to climb, stoop, squat, reach, crawl, drive and lift up to 50 pounds; bend to diagnose and repair vehicles and equipment; ability to discern color.

Adopted Fire Board: 1/24/2024

Employee Group: AFSCME General

FLSA: Non-Exempt

Pre-Appt. Medical: Yes

Safety Sensitive: Yes

Form 700: No

Job Code: Mechanic I: 5106; Mechanic II: 5107