



City of Watsonville

Job Description

JOB TITLE: Fire Vehicle and Equipment Mechanic

DATE APPROVED:

DEPARTMENT: Public Works and Utilities

SUPERSEDES:

REPORTS TO: Supervising Equipment Mechanic or Vehicle and Equipment Manager

SUPERVISION: None

EMPLOYEE UNIT: OE3

FLSA: Non-Exempt

JOB SUMMARY:

To perform a wide variety of responsible preventative maintenance and mechanical repair work related to the maintenance and repair of specialized fire vehicles, heavy fire apparatus, and related mechanical equipment.

DISTINGUISHING CHARACTERISTICS:

This is a single job classification which functions at a journey level.

EXAMPLES OF ESSENTIAL DUTIES:

Duties may include, but are not limited to, the following:

- Determines preventative maintenance needs, maintains and repairs all fire vehicles, including heavy fire apparatus, and equipment
- Checks operating efficiency of fire vehicles, heavy fire apparatus, and fire mechanical equipment
- Determines inventory needs, and orders and maintains replacement parts and supplies
- Repairs and adjusts engines, transmissions, brake systems, hydraulic systems, water pumps and accessories
- Ensures pump systems provide appropriate volumes of water at specified pressures during periodic and required annual pump testing
- Tunes engines, cleans, repairs and replaces carburetors, fuel systems, pumps, strainers, fuel lines, fuel tanks, gauges, wires and reconditions electrical systems
- Performs general maintenance of all fire equipment including oiling and lubricating various components
- Performs heavy vehicle systems and component failure analyses
- Performs inspection and conformity to required DOT standards
- Ensures fire apparatus conforms to commercial DOT and National Fire Protection Association (NFPA) standards
- Responds to emergency callouts and mutual aid requests for mechanic services, and performs emergency field repairs on fire apparatus and related equipment

- Provides input to staff regarding equipment utilization, equipment replacement and equipment needs
- Assists in the development of specifications for new fire apparatus and equipment
- May provide classroom and hands-on instruction to Fire Department personnel pertaining to maintenance and operation of fire apparatus and related equipment
- Assists the Fire Department with the development of specifications for new fire apparatus and equipment
- Attends regular training to maintain basic and advanced skills and certifications
- Performs related duties similar to the above in scope and function as required

EMPLOYMENT STANDARDS

Knowledge of:

- Methods and tools used in repair and maintenance of fire vehicle apparatus, including diesel engines, fire pumps, hydraulic, electrical, and pneumatic systems
- Record keeping and work order system procedures
- Working knowledge of diagnostic software as it relates to general automotive fleet, fire apparatus and heavy vehicle equipment
- DOT and NFPA standards for commercial and fire vehicles
- Citywide safety policy and practices and adheres to responsibilities concerning safety prevention, reporting and monitoring
- Basic computer skills using Microsoft Windows Office Suite applications and computerized fleet work order systems

Ability to:

- Operate and drive a variety of fire vehicles and equipment, including high-pressure water pumps and hydraulic-powered systems
- Repair fire vehicles and apparatus with standard water pumps and power extension/aerial ladders
- Assess, diagnose, and repair modern fire apparatus electrical systems, including computerized engine, transmission and brake systems
- Use mechanic tools and diagnostic equipment with skill and safety
- Establish and maintain effective work relationships with those contacted in the performance of required duties

PHYSICAL REQUIREMENTS:

Physical requirements described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

- Meet the physical requirements necessary to safely and effectively perform required duties
- Grasp with right and left hands
- Use fine hand manipulation

- Perform manual labor involving frequent bending, pulling, pushing, lifting, climbing and carrying of weights up to 50 lbs.
- Hear and distinguish various sounds, such as abnormal equipment sounds, voices of co-workers in noisy environments, pager, cell phone, etc.

TRAINING AND EXPERIENCE:

Any combination of training and experience, which would provide the required knowledge and abilities, is qualifying. A typical way to obtain the knowledge and abilities is:

- Five (5) years of experience as a mechanic diagnosing and repairing fire apparatus, vehicles and related equipment

LICENSE & CERTIFICATION:

- A valid California Class "B" driver's license with an air brake and tanker endorsement
- California State Fire Marshal (OSFM) Level II Fire Mechanic Certification or Emergency Vehicle Technician (EVT) Level II Fire Mechanic Certification, or equivalent certificate of satisfactory completion