

City of San Rafael
Job Class Specification

Job Title: Fire Mechanic

SUMMARY

Repairs and maintains fire apparatus at a high standard of function and operational reliability.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following. This list is meant to be representative, not exhaustive. Some incumbents may not perform all the duties listed while in other cases related duties may also be assigned.

- Maintains and repairs gas- and diesel-powered fire apparatus.
- Maintains and repairs utility cars and trucks.
- Diagnoses valves, hydraulic cylinders, and swivels.
- Diagnoses, repairs and overhauls manual and automatic transmissions.
- Diagnoses and repairs differentials, air and hydraulic brakes, hydraulic systems, clutch systems; and related components.
- Diagnoses and repairs steering, electrical and radio systems.
- Inspects fire apparatus to meet acceptable state requirements.
- Tests and repairs a variety of non-vehicular equipment including hoses, nozzles, generators, pumps electrical cords and headsets.
- Repairs, maintains and upgrades SCBAs and maintains records.
- Fabricates parts and apparatus for special use.
- Responds to emergency calls, third alarms or when needed during off duty hours.
- Purchases fluids, parts, and stock items.
- Coordinates vehicle and equipment schedules for maintenance.
- Makes road calls both while on and off duty in response to vehicle and equipment problems.
- Maintains vehicle and equipment maintenance repair records.
- Performs related duties as required.

KNOWLEDGE OF:

- California vehicle laws & codes.
- Fire equipment & apparatus operations and repair.
- Record keeping.
- Fire department regulations, policies, procedures and operations.
- Hydraulics, pump aerial ladders, & snorkels.
- Personal computers and related software.

ABILITY TO:

- Use hand, bench and machine tools and equipment.
- Design and fabricate equipment parts.
- Work from broken parts, blueprints, and sketches in preparing or making new pieces of apparatus.
- Make cost estimates.
- Maintain records and write reports.
- Operate all fire apparatus.
- Provide own tools.

EDUCATION and/or EXPERIENCE:

Any combination of education and experience that demonstrates possession of the requisite knowledges, skill, and abilities.

High school diploma

Commercial Class B with tank endorsement or greater

Current and continual Fire Mechanic 2 or EVT Fire Apparatus Technician 2 or greater

Five years journey level experience in heavy diesel and gasoline engines.

Smog, brake, and lamp certification from the State of California is preferred.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to stand; walk; sit; use hands to finger, handle, or feel; and talk or hear. The employee frequently is required to reach with hands and arms and climb or balance. The employee is occasionally required to stoop, kneel, crouch, or crawl and taste or smell. The employee must regularly lift and/or move up to 100 pounds and occasionally lift and/or move up to 200 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is frequently exposed to outside weather conditions and may work in evenings or on weekends.

Prepared by: Nash & Co.
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