

CITY OF CARSON

Title: SENIOR EQUIPMENT MECHANIC

Job Summary:

Under general supervision, to lead crews and participate in the service and repair of heavy, diesel and gasoline motorized equipment. Guides the work of other employees, checks, corrects and reports on the progress of their work. Ensures that work is performed in a safe manner.

Essential Duties and Responsibilities:

(These functions are representative and may not be present in all positions in the class. Management reserves the right to add, modify, change or rescind related duties and work assignments.)

1. Leads crews and personally performs equipment maintenance activities.
2. Inspects heavy, diesel and gasoline motorized equipment.
3. Diagnoses and determines extent of necessary repairs.
4. Overhauls, repairs, and adjusts, engines, transmissions, differentials, and clutches.
5. Performs tune-ups, installs, rebuilds, and reconditions engines.
6. Replaces rods and gears.
7. Inspects, clean, repairs, and replaces components of gas, diesel or other fuel systems, including carburetors, fuel pumps, strainers, fuel lines, tanks, and gauges.
8. Repairs and replaces such components as generators, distributors, relays, lights, and switches.
9. Relines, adjusts, and replaces brakes.
10. Overhauls hydraulic, boosters, and vacuum systems.
11. Performs spray painting, welding, soldering, and brazing.
12. Performs minor body work.
13. Installs and reconditions radiators, water pumps, hoses, and fans.
14. Installs axles.
15. Operates motorized equipment in connection with repair and servicing.
16. Keeps record of repairs.
17. Maintains inventory control of replacement parts.
18. Makes recommendations regarding purchase of equipment and parts.
19. Trains subordinates.
20. Observes and enforces safety regulations, including handling of hazardous materials.
21. Performs related duties as required.

Qualification Guidelines:

A typical way to obtain the requisite qualifications to perform the duties of this class is as follows:

Education and Experience:

Sufficient training to demonstrate the knowledge and abilities listed above. Approximately five (5) years of increasingly responsible and skilled full-time paid experience performing maintenance work on motorized equipment, one (1) year of which must have been at the Equipment Mechanic II level.

Knowledge of:

- . Methods, materials, tools, and equipment employed in the overhaul, repair, and adjustment of motorized equipment.
- . Computerized equipment systems, including computers and related software.
- . Fuel, ignition, electrical, and cooling systems and their repair and adjustment.
- . Operation and care of internal combustion engines.
- . Chassis, parts and replacements.
- . Provisions of the California Vehicle Code applying to the operation of vehicles on the highway.
- . Safety and safe work practices.

Skill and Ability to:

- . Read and write reports and work orders.
- . Apply the principles and techniques of supervision and training.
- . Learn basic record keeping practices.
- . Provide on-the-job supervision.
- . Make oral and written reports on work activity.
- . Inspect and diagnose mechanical troubles and determine appropriate maintenance requirements.
- . Perform mechanical repairs on a variety of motorized equipment.
- . Use shop tools such as drills, pressers, grinders, reamers, and brake relining machines with skill and safety.
- . Care for and maintain tools.
- . Understand and carry out oral and written directions.
- . Establish and maintain effective working relationships with others.

License or Certificate:

Possession of an appropriate valid California driver's license and must be insurable by the City's insurance carrier, and professional license/certificates for example smog, brakes, computerized diagnostic equipment, etc.

Physical Requirements and Working Conditions:

Employee accommodations for physical or mental disabilities will be considered on a case-by-case basis. Positions in this class normally:

- . Require the mobility to stand, stoop, reach and bend.

Physical Requirements and Working Conditions:

- . Require mobility of arms to reach and dexterity of hands to grasp and manipulate small objects.
- . Require the ability to stand for long periods.
- . Perform work which involves the frequent lifting, pushing and/or pulling of objects which may approximate 75 pounds and may occasionally weigh up to 100 pounds.
- . May be required to work with harsh and toxic substances.
- . May be required to wear protective apparel including goggles, face protectors, aprons, shoes and oxygen breathing apparatus.
- . May be required to work around loud noise.
- . May be required to work around moving mechanical parts.
- . May be required to work around electrical current.