



EQUIPMENT MECHANIC

DEFINITION

Under general supervision, to service and to perform journey level mechanical repairs to City-owned gasoline, diesel, natural gas, hybrid powered, and electric motor vehicles and other heavy and light power-driven equipment; to inspect, diagnose, overhaul, repair, and adjust engines, transmissions, and related vehicle systems and components; to service and perform preventive maintenance duties on a variety of vehicles and equipment; to maintain a variety of records and documents; and to do related work as required.

EXAMPLES OF DUTIES

- Inspects, diagnoses and repairs mechanical defects in motorized equipment used in street, park, storm drain, and sewer maintenance work;
- Disassembles components and repairs or replaces defective or worn parts;
- Performs ~~complete engine user checks~~ ~~overhaul~~;
- Repairs and ~~adjusts~~ (Services) engines, transmissions, clutches, differentials, carburetors, generators, distributors and fuel pumps;
- ~~Fits Remove~~ and install ~~and adjust~~ bearings; installs axles, ~~fits pistons and rings~~;
- Performs preventative maintenance inspections including tune-ups, frame and chassis lubes, oil and filter changes, inspections of vehicle or equipment drive trains, tires, body, engines, chassis components, and hydraulic systems;
- Makes minor repairs ~~to radiators and~~ to fenders and performs painting and/or other body repair work as needed;
- Does ~~electric Mig~~ and oxyacetylene welding; installs and reconditions electrical systems; cleans and adjusts spark plugs;
- Tests and replaces ~~repairs~~ starters, recharges batteries;
- ~~overhauls hydraulic cylinders; relines~~ Diagnose and adjusts brakes;
- Operates motor equipment in connection with repair and servicing;
- Transports equipment and materials as necessary;
- Performs routine shop maintenance and clean-up;
- Maintains simple records and documents.
- May be required to work shifts outside of normal business hours, including weekends, and/or holidays; occasionally makes emergency repairs in the field.

QUALIFICATION GUIDELINES

Knowledge, Skills & Abilities:

Knowledge of: the tools, equipment, and procedures used in the overhaul, repair and adjustment of motor equipment; fuel, ignition, electrical and cooling systems and of their repair and adjustment; the operation and care of internal combustion engines, chassis, parts, and replacements; wheel alignment and balancing equipment; methods and techniques of welding; basic principles of record keeping; occupational hazards and standard safety procedures.

Ability to: use shop tools including drills, pressers, grinders, reamers, and brake relining machines safely and efficiently; make repairs to motor equipment; inspect motor vehicles and other heavy and light power-driven equipment to locate mechanical defects, to diagnose mechanical, electrical and hydraulic problems and to determine corrective procedures; ability to work cooperatively with others; ability to establish and maintain effective working relationships with those contacted in the course of work; and ability to use electronic work order systems and supporting documentation.

Education and Experience: *Any combination of training and experience which would provide the required knowledge and abilities is qualifying. A typical way to obtain this required knowledge would be:*

Educational achievement equivalent to graduation from high school, preferably including shop courses and two years of skilled experience in automotive repair work for both diesel and gasoline engines

Licenses/Certificates: Possession of a valid Class C California Driver's License with a safe driving record is required or the ability to get from point to point for meetings and trainings. Automotive Service Excellence (ASE) certifications are desired, but not necessaryrequired.

PHYSICAL DEMANDS AND WORKING ENVIRONMENT

The conditions herein 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 job functions.

Environment: Shop environment; occasional field environment with some travel from site to site; exposure to noise, dust, grease, smoke, fumes, noxious odors, gases, and all types of weather and temperature conditions; exposure to hazardous traffic conditions; work and/or walk on various types of surfaces including slippery or uneven surfaces and rough terrain; incumbents may be required to work extended hours including evenings and weekends.

Physical: Primary functions require sufficient physical ability and mobility to work in a mechanic shop environment; walk, stand, and sit for prolonged periods of time; frequently stoop, bend, kneel, crouch, crawl, climb, reach, and twist; push, pull, lift, and/or carry moderate to heavy amounts of weights; operate assigned equipment and vehicles; and to verbally communicate to exchange information.

Vision: See in the normal visual range with or without correction.

Hearing: Hear in the normal audio range with or without correction.

Approved by the Civil Service Board: 12/1/25

Approved by the City Council: