

EQUIPMENT MECHANIC I	CITY OF NATIONAL CITY
CLASS SPECIFICATION	Approved: Proposed May 2023

DEFINITION

Under immediate supervision, to perform a variety of semi-skilled mechanical work involved in diagnosing, repairing and maintaining a variety of City light and heavy gasoline, diesel, hybrid and electric power-driven equipment and vehicles; to perform routine preventive maintenance and repair on vehicles and equipment; and to perform a variety of technical tasks relative to assigned area of responsibility.

DISTINGUISHING CHARACTERISTICS

Incumbents in this class report to the Lead Equipment Mechanic. Incumbents in this class do not supervise.

EXAMPLES OF TYPICAL DUTIES

The following duties and responsibilities are representative of those typically performed by positions assigned to this classification. Any single position may not perform all of these duties and/or may perform similar related tasks not listed here.

Perform routine fluid checks on vehicles and equipment including oil, transmission, brake and related fluid levels; replace as required; assist in diagnosing, repairing and adjusting a variety of systems on light and heavy equipment and vehicles including computer control systems, fuel injection systems, antilock brake systems, electrical systems, hydraulic systems, air conditioning systems, fuel management systems, transmissions, steering and suspension components, clutches and engine sensors; inspect motorized and mechanical equipment; diagnose problems and determine extent of necessary repairs; perform routine preventive maintenance; test and repair starters and recharge batteries; assist in the overhaul and repair of engines, transmissions, clutches, differentials, carburetors, generators, distributors and pumps; fit and adjust bearings; install axles and wheels; test and repair starters and alternators; recharge batteries; replace or repair faulty parts including wheel bearings, clutches, oil seals, shock absorbers, exhaust systems, steering mechanisms and related parts and equipment; tune-up engines by replacing ignition parts; recondition and adjust carburetors, fuel injection systems and propane fuel systems; repair and maintain emission control systems; repair adjust and replace brake systems including wheel cylinders, masters cylinders, disc pads, machine drums and rotors, and hydraulic and air brakes; inspect, test and replace tires as required; conduct parts inventory, maintain records of vehicles and supplies; operate and repair shop equipment, clean and maintain assigned work area; dispose of hazardous materials according to established procedures; performs other related duties and responsibilities as required; may serve as a member of various employee committees.

MINIMUM QUALIFICATIONS

Training and Experience: Any combination equivalent to training and experience that could likely provide the required knowledge, skills, and abilities will be qualifying. A typical way to obtain the required knowledge, skills, and abilities would be: High School diploma or equivalent; and one (1) year of automotive or construction equipment maintenance and repair experience. Work experience may be substituted by completion of a trade certification program of at least one (1) year in length.

Highly Desirable: Supplemental specialized training in automotive and equipment maintenance and repair or a related field is preferred.

Knowledge and Skills in:

Basic operating, repair and overhaul characteristics of diesel, gas, hybrid engines and electric motors; basic operating and repair characteristics of a wide variety of light and heavy equipment systems including electrical, hydraulic, braking, air conditioning, fuel, ignition, steering, suspension and transmission; shop mathematics; principles and practices of record keeping; methods and techniques of preventive maintenance; tools, equipment, and procedures used in the overhaul, repair and adjustment of gas and diesel powered equipment; operational characteristics of a wide variety of automotive, light and heavy equipment; operation and care of internal combustion engines and electric motors; methods, materials, equipment and tools used in routine welding and fabrication work; safe work practices; occupational hazards and standard safety practices.

Ability to:

Perform preventive maintenance and repair on various heavy and light equipment and vehicles; learn current methods, equipment, tools and materials used in the diagnosis, overhaul, repair and maintenance of gas and diesel powered equipment and vehicles; learn and apply pertinent Federal, State and local codes, laws and regulations; learn to perform a full range of equipment maintenance tasks with minimal supervision; use and operate a variety of tools and testing equipment in a safe and effective manner; maintain a variety of shop and repair records; communicate clearly and concisely, both orally and in writing; understand and carry out oral and written instructions; establish and maintain effective relationships with those contacted in the course of work.

Physical Demands & Working Conditions:

Must frequently lift and/or move up to 50 pounds and occasionally lift weights up to 100 pounds. Must be willing to work in exposure to noise, dust, grease, smoke, fumes, and gases. Must be willing to work outdoors in all weather conditions. Must be willing to work with exposure to potentially hazardous substances. May be required to travel outside City boundaries to deliver and pick up vehicles or parts, or to attend meetings.

LICENSES, CERTIFICATIONS, OR SPECIAL REQUIREMENTS

Possession of a valid Class C California Driver's License with a safe driving record. Obtain a Class B license within one (1) year of appointment.