

SAN BERNARDINO MUNICIPAL WATER DEPARTMENT CLASSIFICATION SPECIFICATION

TITLE: EQUIPMENT MECHANIC II

DATE: 7/1/2022

JOB CODE: 21783

FLSA STATUS: NON-EXEMPT

UNIT REPRESENTATION: GENERAL

Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed within the job.

DUTIES SUMMARY

Under general supervision, to perform skilled diagnosis and repair work in the maintenance of light, medium, and heavy gasoline and diesel-powered automotive and construction equipment; and to perform related work as required.

DISTINGUISHING CHARACTERISTICS

The class of Equipment Mechanic II is the journey level in the equipment mechanic series. Supervision is received from the Fleet Supervisor and direction is received from the Equipment Mechanic Lead Worker.

EXAMPLES OF DUTIES

The following duties are typical essential duties for positions in this classification. Any single position may not perform all of these duties and/or may perform similar related duties not listed here:

- Provide courteous and expeditious customer service to the general public and City and Department staff;
- Inspect, diagnose and repair mechanical defects or malfunctions in gasoline and diesel-powered vehicles and construction equipment, such as automobiles, trucks, tractors, backhoes, boom cranes, and other power-driven mechanical equipment;
- Operate automotive test equipment, such as oscilloscopes, compression gauges, electrical testers, micrometers, exhaust analyzers, and other testing equipment;
- Troubleshoot, tear down, rebuild, replace or adjust major assemblies and complex components, such as transmission and clutch assemblies, automatic transmissions, differentials, steering mechanisms, front and rear axle assemblies, electrical/hydraulic systems, and other mechanical accessories;
- Grind and adjust valves;
- Tune engines;
- Insert cylinder sleeves;
- Measure crankshafts and fit crankshafts into connecting rods to crankshaft;

- Align camshaft to drive mechanism;
- Adjust brakes;
- Perform emergency repairs out of shop;
- Maintain records of repairs completed and time worked;
- Operate Department vehicles; and
- Perform related work as required.

QUALIFICATIONS

Any combination of education, training, and experience that would likely provide the knowledge, skills, and abilities to successfully perform in the position is qualifying. A typical combination includes:

Knowledge of:

- Methods, materials, tools and techniques used in the overhaul, maintenance, and repair of gasoline and diesel-powered automotive and specialized fire equipment;
- Principles of internal combustion and diesel-powered engines, air conditioning, hydraulics, and electrical systems;
- Principles of carburetion and injection;
- Engine diagnostic procedures;
- Operation and care of internal combustion engines, of chassis, and of parts and replacements;
- Simple record keeping;
- Shop mathematics applicable to the mechanical trade;
- Appropriate safety precautions and procedures;
- Basic English both spoken and written;

Ability to:

- Diagnose engine, drive train, cooling, electrical, and fuel malfunctions;
- Use complex diagnostic instruments and meters;
- Use shop tools, including drills, presses, grinders, reamers, and brake relining machines safely and efficiently;
- Use gas and electric welding and cutting apparatus;
- Make repairs to motorized equipment;
- Maintain simple records;
- Perform moderately heavy physical labor;

- Read, understand and apply moderately complex materials;
- Maintain simple records;
- Operate a vehicle observing legal and defensive driving practices;
- Understand and carry out oral and written instructions;
- Establish and maintain effective relationships with those contacted in the course of work;
- Lift and transport materials and supplies weighing up to 50 pounds;
- Work in a variety of environmental conditions, indoors and out, including wide temperature variations, noise, vibrations, fumes, odors, and dust;
- Adhere to and comply with safety standards and the proper use of safety equipment;
- Work under moderate stress conditions; and
- Must maintain a driving record which meets Vehicle Code standards and is acceptable to the Department and its insurance carrier.

MINIMUM QUALIFICATIONS

Education: Graduation from high school or GED/equivalent,

And

Experience: Three (3) years of increasingly responsible experience as a mechanic performing journey level fleet maintenance repairs to light and heavy gasoline and diesel-powered equipment, automotive and construction equipment overhaul and repair.

And

Possession of a valid California Class "C" driver's license required upon application. Possession of a valid California Class "A" commercial driver's license valid for the operation of both manual and automatic transmission vehicles/equipment with air brake endorsement, tanker endorsement and valid Medical Examiner's Certificate appropriate for the equipment to be operated is required six (6) months after appointment. Note: For out-of-state applicants, a valid driver's license is required, and a valid California Class "C" driver's license must be obtained within ten (10) days of appointment (CA Vehicle Code 12505c), a valid California Class "A" commercial driver's license valid for the operation of both manual and automatic transmission vehicles/equipment with air brake endorsement, tanker endorsement and valid Medical Examiner's Certificate appropriate for the equipment to be operated is required six (6) months after appointment.

PHYSICAL TASKS AND ENVIRONMENTAL CONDITIONS

There is frequent need to stand, sit, stoop, walk, and perform other similar actions during the course of the workday. Employee accommodations for physical or mental disabilities will be considered on a case-by-case basis.

Must be able to see in the normal visual range with or without correction with vision sufficient to read small print, computer screens and other printed documents. Must be able to hear in the normal audio range with or without correction. Employee accommodations for physical or mental disabilities will be considered on a case-by-case basis.

CAREER LADDER

From: Equipment Mechanic II

To: Equipment Mechanic Lead Worker

Job Description:

BOWC Appr:

11/21/2006

Rev:

6/28/2022

Testing Standards: App Review/Supp App Review