



City of Woodland

HEAVY EQUIPMENT MECHANIC

DEFINITION

To maintain and perform major mechanical repairs to automotive, power-driven, mechanical and heavy equipment.

SUPERVISION RECEIVED AND EXERCISED

This is an advanced journey level class in the Equipment Mechanic series. General supervision is provided by the Fleet and Facilities Manager or his/her designee. May exercise technical or functional supervision over subordinate personnel.

EXAMPLES OF DUTIES

The following are typical illustrations of duties encompassed by the position, not an all inclusive or limiting list:

ESSENTIAL JOB FUNCTIONS

Inspect, diagnose and locate mechanical difficulties on automobiles, trucks and a variety of maintenance and construction equipment. Determine extent of necessary repairs including identifying major engine and transmission overhaul needs and prepare orders for required services. Road-test vehicles and determine the need for outsourcing to specialized vendors. Perform repairs and adjustments of gasoline and diesel engines, transmissions, differentials, clutches and brakes and hydraulic components. Tune up engines, diagnose computer controls, modules and air conditioning components using diagnostic equipment. Repair and/or replace all components of light and heavy frame assemblies, suspension systems drive trains, electrical systems, steering, braking, material handling, cap and drive, passenger comfort systems. Perform welding and brazing, fabricate and modify parts, equipment, miscellaneous structures and attachments. Maintain a variety of maintenance, repair and inventory records on the computerized fleet maintenance system. Maintain vehicle inspection records as required by the Department of Transportation. Adjust and repair air and hydraulic brake systems including high and low pressure systems. Clean, repair and replace fuel pumps, strainers, fuel lines, gasoline tanks and gauges. Operate equipment and vehicles with possession of all necessary licenses and certificates. Regular and consistent attendance.

OTHER JOB FUNCTIONS

Participate in division safety program. Diagnose, repair, expand and recondition electrical systems. Install and maintain special equipment on fire apparatus, including high volume water, hydraulic, foam and air pumps. Respond to emergency road calls,

field diagnose the problem and make field repairs as necessary. Maintain shop and shop equipment in a safe, clean and orderly condition. Perform related duties as assigned.

QUALIFICATIONS

Knowledge of:

Tools, equipment and procedures used in the service, maintenance, overhaul, repair and adjustment of gas and diesel-powered equipment. Operating and repair characteristics of the entire range of City owned vehicles and equipment, including heavy duty trucks and construction equipment. Operation and care of internal combustion engines, hydraulics and electrical components. Use of a variety of hand and power tools and equipment. Safe working practices. Computerized inventory and record fleet maintenance system.

Skill to:

Enter data into Fleet Management system. Perform advanced journey level equipment mechanic work. Inspect gas and diesel-powered equipment to locate difficulties and estimate the cost and time of repairs. Perform major and technically complex mechanical work on vehicles and mechanical equipment. Use a variety of tools and equipment. Diagnose and repair computer controlled engine components and replace/repair as necessary. Maintain a variety of maintenance, repair and inventory records on the computerized fleet record system.

Ability to

Understand and carry out both oral and written directions. Work independently in the absence of supervision and exercise initiative. Establish and maintain effective work relationships with those contacted in the performance of required duties

Minimum Education and Experience:

Education:

High School diploma or equivalent, supplemented by specialized training in the maintenance and repair of gas and diesel-powered equipment.

Experience:

Two years of increasingly responsible experience in the area of vehicles and equipment repair and maintenance performing duties comparable to those of a Light or Heavy Equipment Mechanic in the City of Woodland.

License and Certificates:

Licenses

Required upon hire and maintained during probation, possession of a valid Class C California Driver's License.

Required prior to permanent appointment and maintained during employment, possession of a valid California Commercial Class A Driver's License with Tank Endorsement.

Certificates

Required upon hire and maintained during employment, possession of a minimum of two valid ASE Truck certifications, one of which must be T4 Heavy Duty Truck Brake Certification.

Required prior to permanent appointment and maintained during employment, possession of a valid Air Conditioning Refrigerant Recovery and Recycling certificate similar to ASE or MACS.

Possession of Fire Equipment Mechanic Certification is highly desirable.

COUNCIL ACTION: February 1, 2011