

CITY OF REEDLEY

HEAVY EQUIPMENT MECHANIC

DEFINITION

Under general supervision, to perform advanced journey-level diagnostic and repair work on light and heavy vehicles and equipment powered by gasoline, electrical, diesel and other alternative fuels.

DISTINGUISHING CHARACTERISTICS

This is the advanced journey-level class responsible for servicing and performing fully skilled maintenance and repairs on vehicles and equipment including heavy equipment such as City trucks, construction equipment, refuse trucks, tractors, specialty equipment and other vehicles and equipment.

SUPERVISION EXERCISED

Exercises no supervision.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

(May include, but are not limited to the following)

Perform the full range of advanced skilled work, routine maintenance and repairs on light and heavy-duty vehicles and equipment common to a municipal government fleet.

Inspect, troubleshoot, diagnose, test mechanical or motorized defects or malfunctions and determine extent of repairs to defective vehicles and equipment using scan tools, multimeters, voltage probes, and other diagnostic software.

Using hand and power tools disassemble, overhaul, repair and adjust internal combustion on light and heavy-duty engines, pumps, transmissions, clutches, differentials, carburetors, distributors, fuel systems, rear ends and generators.

Install, repair and replace parts and components on air conditioning units, condensers, electrical systems, suspension systems, air & hydraulic brake systems, axels & wheels.

Overhaul, repair and replace master & wheel cylinders, calipers, air pots & air valves.

Maintain accurate vehicle maintenance and repair records of work performed and inventory control records in accordance with regulatory requirements. Perform 90 day inspections or Bi-Annual Inspections of Terminals (BITs). Assist with California Highway Patrol and Fresno County Public Health Inspections.

Respond to road calls to repair mechanical equipment.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES

Designs, constructs, fabricates, replaces, repairs and/or modifies new or existing equipment including body frames, fenders and radiators involving welding, brazing, and cutting while working with sheet metal, iron work and stainless steel among other components.

Estimate time, materials and repair costs for assigned tasks; requisition materials and parts as needed.

OTHER JOB RELATED DUTIES

Perform related duties and responsibilities as assigned.

JOB RELATED AND ESSENTIAL QUALIFICATIONS:

Knowledge of:

Proper methods, terminology, materials, tools and techniques used in the overhaul, repair and maintenance of vehicles and equipment.

Principles of operation, repair and maintenance of vehicle and equipment engines and engine driven sub-systems.

Federal, State and governmental agency laws and regulations pertaining to vehicle operation and maintenance.

Principles of welding, cutting and blazing.

Occupational hazards and safety precautions of the trade.

Skill to:

Properly use tools and equipment utilized in light and heavy equipment maintenance and repair.

Inspect, diagnose, troubleshoot and repair motor and mechanical issues in vehicles and equipment.

Operate and maintain the full range of motor vehicles, equipment, tools and devices in a safe and effective manner.

Ability to:

Perform advanced skilled light and heavy equipment repair of diesel, gasoline and alternative fuel engines, pumps, generators, clutches, rear ends and transmissions.

Diagnose, troubleshoot and repair defective equipment using scan tools, multimeters, voltage probes, other diagnostic software, and hand and power tools.

Ability to:

Read, interpret, understand and apply hydraulic and electrical schematics, technical manuals, diagrams and specifications.

Perform fabrication, welding and minor body work.

Operate computers and applicable software applications for basic data entry necessary for completion of assigned duties.

Interpret and apply the policies, procedures, laws, codes and regulations pertaining to the assigned programs and functions.

Prepare and maintain accurate and complete records.

Establish and maintain effective working relationships with those contacted in the performance of assigned duties.

Experience and Training Guidelines:

Any combination equivalent to experience and training that would provide the required knowledge, skills, and abilities would be qualifying. A typical way to obtain the knowledge, skills, and abilities would be:

Experience:

Five years of advanced skilled journey level in vehicles and heavy equipment maintenance and repair.

Training:

Possession of a High School Diploma or equivalent GED Completion supplemented by completion of a mechanical apprenticeship desirable.

License or Certificate:

Possession of a valid Class B California Driver's License within six (6) months of promotion or hire.

Possession of a National Institute for Automotive Service Excellence (ASE) in the following equipment areas:

Master Certificate in Automobile & Light Truck Certification (Desirable)

Master Certificate in Medium-Heavy Truck Certification within 18-24 months of hire or promotion.

License or Certificate:

All required ASE Certifications/Recertification's shall be maintained in the Medium and Heavy Truck (T) series for the entire term of assignment.

Special Requirements:

Essential duties require the following physical skills and work environment:

Ability to sit, stand, walk, kneel, crouch, stoop, squat, twist, climb and lift 75 lbs.; exposure to cold, heat, noise, outdoors, vibration, confining work space, chemicals, explosive materials mechanical hazards, and electrical hazards; ability to travel to different sites and locations.