

MARSHALL COUNTY, ALABAMA

Job Description

MECHANIC, CONSTRUCTION EQUIPMENT

Department: District #1

Job Code: 617

Pay Grade: 110

FLSA Status: Non-Exempt

Reports To: District Commissioner(s)

JOB SUMMARY

The Mechanic, Construction Equipment repairs and maintains gasoline/diesel powered automotive and heavy equipment and the individual components and systems associated with the equipment, using standard practices and equipment. Performs major maintenance up to and including the rebuilding of major items, i.e., engines and transmissions. Operates heavy, medium, and light equipment for normal designed usage and for testing after repairs.

ESSENTIAL JOB FUNCTIONS

- Performs routine maintenance and repair components and systems of gasoline powered trucks and equipment.
- Analyzes, diagnoses, and tunes gasoline engines, including testing, cleaning and/or replacement of spark plugs, adjusting timing, valves, and carburetor, replacing coil, condenser, and breaker points or electronic ignition system.
- Removes and disassembles major units such as engine, transmission, and/or differential; repairs and replaces parts as required, inspects parts for wear, and reassembles the unit.
- Overhauls and replaces carburetors, generators, radiators, alternators, starters, distributors, and pumps.
- Rewires ignition system, lights, and instrument panel.
- Realigns and adjusts headlights, and installs or repairs accessories such as radios, heaters, mirrors, and windshield wipers.
- Performs maintenance and repair of diesel-powered trucks and heavy equipment:
- Analyzes malfunctions; repairs and rebuilds heavy construction equipment such as motor graders, backhoes, bulldozers, packer/rollers, chip spreaders, etc.
- Replaces defective engines and subassemblies.
- Performs minor overhauls on engines, transmissions, differentials, etc.
- Replaces or repairs major components, attachments or implements such as blades, tracks, compressors, hydraulic cylinders, rails, etc.
- Tests overhauled equipment to ensure correct operating parameters and overall efficiency.
- Provides information for ordering parts and maintains records.
- Determines parts and tools required to complete a given repair procedure.
- Provides description and numbers of parts in order to place orders for parts needed for equipment repair.
- Maintains files on all equipment, including instruction books, drawings, and schematics.
- Keeps up complete maintenance records for all units of equipment in the department including, complete service records, parts and repair costs, maintenance and service schedules, safety inspections, and operations capability of all safety devices.
- Operates a variety of equipment to test following repairs and to assists in district operations.
- Performs complex and difficult operations using a variety of equipment, such as motor grader to perform finishing and grading operations; paving equipment to spread and seal plant mix; backhoe to dig ditches and

trenches, set pipe, demolition, and dig stumps and roots; bulldozer, front end loader, scraper, roller, tractor-trailer, backhoe, crane, chip spreader, and other types of heavy equipment.

- Loads and hauls various heavy equipment and machinery on low-boy truck and trailer.
- Provides advice to crew leader on capabilities and best utilization of various types of heavy equipment.
- Operates electric and acetylene welders as required.
- Requires regular and prompt attendance plus the ability to work well with others and work well as a team.
- Performs other related duties as assigned.

QUALIFICATIONS

Education and Experience:

High school diploma or equivalent plus three (3) years of experience in automotive and heavy equipment repairs and maintenance with five (5) years of experience in operating heavy equipment, or an equivalent combination of education and experience.

Licenses or Certifications:

- Must possess a valid State of Alabama Class "B" Certified driver's license (CDL), *Class "A" preferred*, and a driving record suitable for insurability.

Special Requirements:

- None

Knowledge, Skills and Abilities:

- Knowledge of the operation, repair, and maintenance of gasoline and diesel powered automotive and heavy equipment.
- Knowledge of safety rules, including accident causation and prevention.
- Knowledge of first aid procedures.
- Knowledge of the uses of a wide variety of heavy equipment.
- Knowledge of math sufficient for understanding precision gauges and measurement for fitting parts.
- Ability to communicate information to supervisor and co-workers.
- Ability to complete routine forms, records, and to order parts.
- Ability to read and understand equipment and maintenance manuals, parts lists, and instructions.
- Ability to use hand and machine tools and equipment used in automotive and heavy equipment repair.
- Ability to use electronic and mechanical shop equipment and machinery.
- Ability to operate a wide variety of equipment.
- Ability to analyze and diagnose problems in automotive and heavy construction equipment.
- Ability to work independently without close supervision.
- Ability to perform tasks requiring strength, endurance, and dexterity, such as equipment operation and repair.

PHYSICAL DEMANDS

The work is heavy work which requires exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force to move objects. Additionally, the following additional physical abilities are required: balancing, climbing, crawling, crouching, feeling, manual dexterity, grasping, handling, hearing at a level to discriminate sounds, kneeling, lifting, mental acuity, pulling, pushing, reaching, repetitive motion, speaking, standing, stooping, talking at a level to exchange ideas, talking to be heard above ambient noise, visual acuity at a level to view computer terminal, analyze data, and read extensively, visual acuity at a level to include color, depth perception and field vision, visual acuity at a level to determine accuracy and thoroughness of work assigned, visual acuity at a level to operate motor vehicles and/or heavy equipment, visual acuity at a level of inspecting small parts, and walking.

WORKING CONDITIONS

Work is performed in an environment with heavy equipment and machinery that could result in bodily harm to self or others. Work may be performed outside and in a hazardous work environment in which the employee is subject to potential personal danger. Work may require traveling between locations.

Marshall County has the right to revise this job description at any time. This description does not represent in any way a contract of employment.

To perform this job successfully, an individual must be able to perform the essential job functions satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the primary job functions herein described. Since every duty associated with this position may not be described herein, employees may be required to perform duties not specifically spelled out in the job description, but which may be reasonably considered to be incidental in the performing of their duties just as though they were actually written out in this job description.

Employee Signature

Date

Supervisor (or Personnel) Signature

Date

Marshall County commits to a policy of equal employment opportunity for applicants and employees, complying with local, state and federal laws. The County's policy is to employ qualified persons without discrimination regarding race, creed, color, religion, age, sex, country of national origin, marital status, disability, sexual orientation, gender identity, genetic information, political affiliation, ethnicity, or status in any other group protected by federal/state/local law.