



Career Service Authority

Page 1 of 4

Heavy Equipment Service Technician

GENERAL STATEMENT OF CLASS DUTIES

This class services and performs preventive maintenance and minor repair work on a variety of heavy, specialized, and light equipment.

DISTINGUISHING CHARACTERISTICS

This class services and performs preventive maintenance and minor repair work of heavy, specialized, and light equipment. It is distinguished from the Automotive Service Technician which, services and performs routine maintenance on automotive equipment. This class is distinguished from the Associate Heavy Equipment Mechanic which performs mechanical repairs and minor overhauls, on a wide variety of diesel, gasoline, electric, and alternate fuel powered equipment.

Guidelines, Difficulty and Decision Making Level:

Procedures, methods and techniques to be used are well established with options to be considered well defined. Tools, work aids and materials to be used are specified. Work steps are demonstrated or made clear by straightforward oral instructions.

Detailed oral and/or written instructions are normally given during the training period. Work steps involve a pattern of sequential motions such as push, pull, lift, carry or place which may include making gross discriminations as to size, color or readily observable conditions.

Duties assigned are primarily routine, repetitive and restricted in intricacy with little or no discretion in how they are carried out.

Level of Supervision Received and Quality Review:

Under close supervision, the employee receives training to develop skills and abilities in a specific line of work or general occupational area. Work product is subject to close, continuous inspection.

Interpersonal Communications and Purpose:

Contacts with the public or employees where factual information relative to the organization or its functions is received and relayed, or a service rendered, according to established procedures or instructions.

Level of Supervision Exercised:

May perform lead work on a job by job or rotating basis.

ESSENTIAL DUTIES

Inspects equipment brought to shop for structural integrity and other potential safety and maintenance problems.

Repairs or replaces worn parts not requiring major mechanical work. Identifies and reports to supervisor any major problems requiring mechanical attention.

Inspects primary and auxiliary operating systems for loose and worn parts, hydraulic systems for faulty cylinders, hoses, or fittings, and air systems.

Inspects equipment for proper fluid levels, adds fluid as necessary, and replaces filters.

Replaces air compressor filters and air lines.

Lubricates auxiliary attachments, suspensions, moving parts, and wearing surfaces on equipment.

Removes, repairs, and replaces wheels and tires on equipment.

Responds to emergency road service on tires, tubes and wheels of specialized and heavy-duty automotive equipment, utilizing hydraulic jacks and lifts.

Removes and replaces sealed beam lighting units, light bulbs, light bars, and fuses.

Operates all types of vehicles and equipment to servicing and storage areas.

Washes and steam cleans equipment and cleans work area.

Observes all common safety practices.

Some positions participate in snow removal duties as assigned.

Performs other related duties as assigned or requested.

.....
Any one position may not include all of the duties listed.
However, the allocation of positions will be determined by
the amount of time spent in performing the essential duties
listed above.
.....

MINIMUM QUALIFICATIONS

Competencies, Knowledges & Skills:

Reading - Understands and interprets written material, including technical material, rules, regulations, instructions, reports, and charts, graphs, or tables; applies what is learned from written material to specific situations.

Writing - Recognizes or uses correct English grammar, punctuation, and spelling; communicates information in a succinct and organized manner, produces written information, which may include technical material, which is appropriate for the intended persons.

Oral Communication - Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

Mathematical Reasoning - Understanding of basic math that will be used on the job: counting, adding, subtracting and multiplying to include shift and schedule.

Mechanical - Knowledge of machines and tools, including their designs, installation, uses, repair, and maintenance.

Vehicle Operation - Knowledge of procedures for operating motor vehicles including cars and trucks.

Interpersonal - Considers and responds appropriately to the needs, feelings, and capabilities or others; adjusts approaches to suit different people and situations; may deal with people who are difficult, hostile or distressed.

Integrity/Honesty - Contributes to maintaining the integrity of the organization; displays high standards of ethical conduct and understands the impact of violating these standards on an organization, self and others; is trustworthy.

Physical Demands:

Standing: remaining on one's feet in an upright position.

Walking: moving about on foot

Lifting: raising or lowering an object from one level to another.

Carrying: transporting an object, usually by hand, arm, or shoulder.

Pushing: exerting force upon an object so that the object is away.

Pulling: exerting force on an object so that it is moving to the person.

Climbing: ascending or descending objects usually with hands/feet.

Balancing: maintaining body equilibrium to prevent falling over.

Stooping: bending the body by bending spine at the waist.

Kneeling: bending legs to come to rest on one or both knees.

Crouching: bending body downward and forward by bending legs.

Reaching; extending the hand(s) and arm(s) in any direction.

Handling: seizing, holding, grasping, or otherwise working with hand(s).

Fingering: picking, pinching, or otherwise working with fingers.

Feeling: perceiving attributes of objects by means of skin receptors.

Hearing; perceiving the nature of sounds by the ear.

Repetitive motions: making frequent movement with a part of the body.

Eye/hand/foot coordination: performing work through using two or more.

Working Environment:

Exposed to hazards from electronic/mechanical power equipment.

Subject to burns and cuts

Subject to hazards of flammable, explosive gasses

Subject to injury from moving parts of equipment

Works in precarious or high locations (ladders, scaffolding, etc.)

Education Requirement:

Graduation from high school or possession of a GED Certificate.

Experience Requirement:

One year of experience in the maintenance of gasoline and diesel powered equipment.

-OR-

One year of experience in the repair of tires, tubes, and wheels in a tire shop or construction company.

Education/Experience Equivalency:

Completion of six months of full-time vocational training in automotive or diesel repair may be substituted for the minimum experience requirement.

Licensure and/or Certification:

Possession of a valid Colorado Class "R" Driver's License at the time of application.

Some positions require possession of a valid Colorado Commercial Driver's License CDL "B" or "A" with appropriate endorsements prior to the end of the probationary period.

Some positions require possession of an ASE airbrake certification mandated by federal regulations by the end of probation.

Provide and replace hand tools.

CLASS DETAIL

FLSA CODE: Non-exempt

ESTABLISHED DATE: 09/16/1995

REVISED DATE: 04/16/2005

REVISED BY: Tyrone Abeyta

CLASS HISTORY

This class has been reviewed as a result of a maintenance study. The Licensure requirement of a Commercial Driver's License has been changed to some positions require possession of a Commercial Driver's License Class "B" or "A" with appropriate endorsements prior to the end of the probationary period. The ASE airbrake certification has also been changed to some positions require possession of an ASE air brake certification mandated by federal regulations by the end of probation.