



AUTO TECHNICIAN I

220

Jamestown
1607

DEPARTMENT: General Services/Fleet and Equipment

NATURE OF WORK:

Performs mechanical, maintenance, and repair work on gasoline and diesel vehicles and equipment. Work is performed under the general supervision of the Fleet and Equipment Administrator.

ESSENTIAL FUNCTIONS OF THE JOB:

Diagnoses problems, repairs, and maintains various types of gas and diesel powered motor equipment.

Performs scheduled preventive maintenance on vehicles and equipment.

Performs minor air-conditioning, electrical, front-end repair, and repair of other major vehicle components.

Makes emergency road service trips as directed, both during and after hours. Performs towing service with small and large wreckers.

Serves in a stand-by position as rotation dictates.

Performs acetylene and electric welding, simple blacksmithing, and minor body repair.

Maintains or assists in the maintenance of parts inventory.

Is considered essential personnel as outlined in County Disaster Plan.

Performs various housekeeping duties in and around the Garage.

Performs State inspections of County vehicles as required.

Performs light and heavy tire service.

Practices continuous learning through individual study, classroom training, seminars, and conferences.

Performs work safely in accordance with department safety procedures and the County Safety Program. Operates equipment safely and reports any unsafe work condition or practice to Supervisor.

May be required to report to work to serve customers during emergency conditions. May be assigned to report at a different time and location and to perform different duties as necessary.

Performs related work as required.

JOB LOCATION AND PHYSICAL REQUIREMENTS:

Duties are performed primarily at a garage, typically indoors. Requires frequent heavy lifting. Operates a variety of hand and power tools and equipment. Drives a variety of County vehicles and heavy equipment, including buses, large trucks, fork lifts, backhoes, and combination vehicles.

REQUIRED KNOWLEDGE, SKILLS, AND ABILITIES:

Knowledge of the repair and maintenance of gasoline and diesel engines.

Knowledge of service procedures pertaining to air, hydraulic, vacuum, and electric braking systems.

Knowledge of operational and safety procedures in operating heavy and light duty towing vehicles.

Knowledge of hydraulic system repairs to include hose fabrication, pump overhaul, control valve service, and circuitry.

Skill in removal and installation of major unit components such as engines, transmissions, axels, etc., and knowledge and ability to repair same.

Ability to use and safely operate a wide variety of hand and power tools associated with the automobile/heavy equipment trade.

Ability to perform computer data entry in accounting for repair time spent and flat rates charged.

Ability to formulate, fabricate, and maintain special vehicles and equipment to fill the needs of user department.

Attends a variety of schools directed to maintain knowledge "up-to-date" in troubleshooting and repair of engine management controls, as well as State Inspection.

MINIMUM QUALIFICATIONS:

High school diploma or equivalent, including or supplemented by courses in auto mechanics, engine repair, or related field; experience in the repair and maintenance of automotive and related equipment; or any equivalent combination of acceptable education and experience providing the knowledge, skills, and abilities cited above.

NECESSARY SPECIAL QUALIFICATIONS:

Must possess a valid Virginia Class A commercial driver's license and have an acceptable driving record based on James City County criteria.

Must possess or be able to obtain within six (6) months of employment a valid Virginia State Inspector's license and air conditioning recovery certification.

Must provide own hand tools.

Requires a post offer drug test.

Requires a post offer physical.

Requires the ability to travel among various work sites.

Date: April 2007

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IDENTIFICATION OF GENERAL APTITUDES AND PHYSICAL REQUIREMENTS

Position Title: Auto Technician I Position Number: 220
Department: General Services Division: Fleet and Equipment

The Americans with Disabilities Act requires that we identify the general aptitudes and physical requirements needed to perform the job listed above. Individuals who have the position must be able to perform all essential job functions unaided or with reasonable accommodation.

I. *Mental Abilities:* General learning ability. The ability to “catch on” or understand instructions and underlying principles.

- Ability to reason and make judgments
- Ability to understand and follow oral instruction
- Ability to understand and follow written instruction
- Ability to guide and/or give instructions
- Ability to make decisions in accordance with established procedures and policies
- Not essential to job function

II. *Verbal Abilities:* Ability to understand meanings of words and ideas associated with them and to use them effectively. To comprehend language, to understand relationships between words, and to understand meanings of whole sentences and paragraphs. To present information or ideas clearly.

1. Speaking/Talking:

- Answer telephone, radio or switchboard
- Communicating with County officials
- Communicating with general public
- Communicating with vendors
- Communicating with supervisors and/or with other employees
- Communicating with other _____
- Not essential to job functions

2. Hearing/Listening:

- Ability to distinguish between different tones
- For communication with County officials, public, vendors, supervisors and/or other employees
- Not essential to job function.

3. Reading: (ability to read and understand text)

- Essential to job function
- Not essential to job function

III. Numerical: Ability to perform arithmetic operations quickly and accurately.

- Ability to mentally perform accurate two digit calculations
- Ability to perform accurate calculations aided by a calculator, adding machine or measurement device
- Not essential to job function

IV. Spatial Abilities: Ability to comprehend forms in space and understand relationships of plane and solid objects. May be used in such tasks as blue print reading and in solving geometry problems. Frequently described as the ability to “visualize” objects of two or three dimensions, or to think visually of geometric forms.

- Essential function
- Not essential function

V. Motor Coordination: Ability to coordinate eyes and hands or fingers rapidly and accurately in making precise movements with speed. Ability to make a movement response accurately and quickly.

1. Manual Dexterity: Ability to move the hands easily and skillfully. To work with the hands in placing and turning motions.

- | | |
|---|---|
| <input type="checkbox"/> Use telephone | <input type="checkbox"/> Manipulate computer keyboard and mouse |
| <input type="checkbox"/> Use switchboard | <input type="checkbox"/> Use postage machine |
| <input type="checkbox"/> Use radio/console | <input type="checkbox"/> Use hand tools |
| <input type="checkbox"/> Use a calculator | <input type="checkbox"/> Use power tools |
| <input type="checkbox"/> Use a copy machine | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Use a fax machine | <input type="checkbox"/> Not essential to job function |

2. Finger Dexterity: Ability to move the fingers and manipulate small objects with the fingers rapidly or accurately. For example: electrical wiring.

- Essential to job function
- Not essential to job function

Explain: _____

VI. Physical Demands:

1. **Strength:** The quality, state or property of being strong. The power to withstand strain, force, or stress.

Please check (✓) in appropriate boxes below.

Ability to manipulate materials and/or equipment (lbs)							Frequency of Manipulation		
	5-	5-10	10-15	15-25	25-50	50+	Occasionally	Frequently	Continuously
Lift									
Push/Pull									
Hold/Carry									

Manipulation done from: ground to waist waist level waist to shoulder above shoulder
(Check all that apply)

Not essential to job function: Lift Push/Pull Hold/Carry (Check all that apply)

2. **Climbing:** To move up or mount by using the hands or feet.

- | <u>Ladders</u> | <u>Stairways</u> | <u>Steps</u> |
|--|--|--|
| <input type="checkbox"/> Step stool | <input type="checkbox"/> 1 flight | <input type="checkbox"/> 1-2 |
| <input type="checkbox"/> 8' to 10' step ladder | <input type="checkbox"/> 2 flights | <input type="checkbox"/> 2-3 |
| <input type="checkbox"/> Extension ladder | <input type="checkbox"/> 3 or more flights | <input type="checkbox"/> 3-4 |
| <input type="checkbox"/> Other _____ | <input type="checkbox"/> Other _____ | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Not essential to job function | <input type="checkbox"/> Not essential to job function | <input type="checkbox"/> Not essential to job function |

3. **Ability to Stand, Sit, Walk, and Run:**

Please check (✓) in appropriate boxes below.

	Duration (hours/day)						Occasionally	Frequently	Continuously
	0-1	1-3	3-5	5-7	7-9	9+			
Stand									
Sit									
Walk									
Run									

If walking or running, over what type of terrain? flat rough both

Not essential to job function: Stand Sit Walk Run (Check all that apply)

4. Stooping, Kneeling, Crouching, and /or Crawling:

To bend forward or down from the middle of the waist or the middle of the back, to bend downwards, to lower oneself and/or to move freely on hands and knees.

Daily Amounts

- 0-5x 5-20x 20-50x 50+x
 Other _____ Not essential to job function

5. Reaching, Handling, Fingering, and/or Feeling:

To stretch out, extend, or put forth a bodily part. To touch or grasp something, by extending or stretching. To touch, lift, hold or operate with the hands.

Daily Amounts

- 0-5x 5-20x 20-50x 50+x
 Other _____ Not essential to job function

6. Seeing: To perceive or comprehend by the sense of sight.

Essential to job function: These characteristics are necessary (Check all that apply)

- Peripheral vision
- Night vision
- Focus (distinctness or clarity)
- Color perception (discriminate between colors)
- Depth perception (determine distance relationship between objects)

VII. Driving: The ability to transfer or convey in a vehicle.

Transmission	Standard	Automatic	Multi-Gears
Car	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Van	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Small Truck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Medium Truck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Large Truck	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Truck w/Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Bus Equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Not essential to job function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (list) _____			

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