



GEORGIA FIREFIGHTER STANDARDS AND TRAINING COUNCIL
APPARATUS OPERATOR - PUMPER
 NFPA 1002



PERFORM VISUAL & OPERATIONAL CHECKS ON PUMPER SYSTEMS & COMPONENTS
 Skill Number: 5.1.2.1

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

1. The Candidate shall be given fire department pumper.
2. The Candidate shall be given departmental policies.
3. The Evaluator shall attach and submit all supporting documentation to GFSTC.
4. The Candidate shall be given the instructions below before beginning the exercise.
5. Check off each step as the Candidate completes it.

INSTRUCTIONS TO THE CANDIDATE

Perform the visual and operational checks on the systems and components specified in the following list in addition to those in 4.2.1 so that the operational status of the pumper is verified with 100% accuracy!

- **Water tank and other extinguishing levels if applicable**
- **Pumping systems**
- **Foam systems**

1. Chocks vehicles wheels.
2. Ensures water tank level is full.
3. Checks foam tank level (if applicable).
4. Checks primer pump oil reservoir level.
5. Properly engages pump. (Evaluate condition of pump packing for excessive leaking).
6. Properly operates priming pump.
7. Demonstrates proper throttle techniques.
8. Exercises pump valves.
9. Exercises drain valves.
10. Operates change-over valve (for two stage pumps) If applicable.
11. Operates pressure control device (relief valve).
12. Properly disengages pump.
13. Ensures tightness of screws and bolts on pump panel, using appropriate hand tools.
14. Recognizes and corrects any deficiency noted according to policies and procedures.
15. Fills out inspection form properly and completely.

Candidate Name: _____ Date: _____ GFSTC ID #: _____

Evaluator: _____ Date: _____ GFSTC ID #: _____ **PASS** **REDO**

Re-Test Evaluator: _____ Date: _____ GFSTC ID #: _____ **PASS** **FAIL**



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PERFORM VISUAL & OPERATIONAL CHECKS ON APPARATUS SYSTEMS & COMPONENTS
 Skill Number: 4.2.1.1

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

1. The Candidate shall be provided a fire department apparatus used by the AHJ.
2. The Evaluator shall attach and submit all supporting documentation to GFSTC.
3. The Candidate shall be given the instructions below before beginning the exercise.
4. Check off each step as the Candidate completes it.

INSTRUCTIONS TO THE CANDIDATE

Perform visual and operational checks on the system and components specified in the following list specified on the following list, according to manufacturer's specifications and requirements, using departmental policies and procedures so that the operational status of the vehicle is verified with 100% accuracy!

1. Chocks vehicles wheels.
2. Uses systematic approach for inspection of apparatus.
3. Check for apparent damage to apparatus.
4. Look beneath vehicle for spots that indicate leakage.
5. Look for unusual leaning that indicates chassis defects.
6. Batteries water level (if applicable), tightness of terminals, corrosion on terminals, ensure batteries are secure, charged and ready to start by gauge reading or actual starting of apparatus.
* 7. Braking system (air or hydraulic) for leaks, fluid level, ensure manual or automatic purging of excess condensation for air brake systems, ensure that the brakes will stop the apparatus by driving and depressing brake pedal.
* 8. Coolant system, leaks, condition of hoses and lines, ensure coolant level.
* 9. Oil level, leaks, oil pressure.
10. Electrical system is charging, gauges are functioning, check ignition system by starting engine, lights are functional, all visual and audible emergency warning devices are operational, wires and connections in good condition.
11. Fuel leaks, fuel gauge level (3/4 minimum).
* 12. Hydraulic fluid leaks, hydraulic fluid levels.
* 13. Tires properly inflated, condition of valves and stems, depth of tread, damage, lug nuts tight.
* 14. Steering system leaks, steering fluid level and excessive play on steering wheel.
15. Belts properly adjusted, checked for excessive wear and cracking.
* 16. Tools, appliances and equipment present & in good working order.
* 17. Check water level of booster tank through the top vent opening or sight glass
18. Adjust mirrors, seats and seatbelts.
19. Check windshield wipers, washing fluid and wiper blades for damage.
20. Check radios and communications equipment

* Performed according to manufacturers' recommendations or policies of the AHJ

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PRODUCE EFFECTIVE FIRE STREAMS FROM INTERNAL TANK & CHANGE TO EXTERNAL SOURCE
 Skill Number: 5.2.4.1

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

1. The Candidate shall be given a specified water source.
2. The Candidate shall be given a fire department pumper.
3. The Evaluator shall determine which evolution shall be performed.
4. The Evaluator shall attach and submit all supporting documentation to GFSTC.
5. The Candidate shall be given the instructions below before beginning the exercise.
6. Check off each step as the Candidate completes it.

INSTRUCTIONS TO THE CANDIDATE

Produce effective hand or master streams so that the pump is engaged, all pressure control and vehicle safety devices are set, the rated flow of the nozzle achieved and maintained, and the apparatus is monitored for potential problems with 100% accuracy!

1. Placed wheel chocks under wheels.

2. Engage fire pump.

INTERNAL TANK

3. Opens tank to pump valve.

4. Opens appropriate discharge.

5. Produces effective water stream from water source to master stream device.

6. Produces effective water stream from water source to handheld nozzle.

7. Operates auxiliary cooling system or crack open tank fill valve.

8. Calculates friction loss and gallons per minute for each scenario given.

9. Operates relief valve (pressure control system)

TRANSFER FROM INTERNAL TANK TO EXTERNAL SOURCE

3. Closes bleeder valve, if necessary, and opens intake.

4. Closes tank to pump valve.

5. Begins refilling tank.

6. Opens appropriate discharge.

7. Produces effective water stream from water source to master stream device.

8. Produces effective water stream from water source to handheld nozzle.

9. Calculates friction loss and gallons per minute for each scenario given.

10. Operates relief valve (pressure control system)

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PRODUCE A FOAM FIRE STREAM
 Skill Number: 5.2.6.1

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

1. The Candidate shall be given a specified water source and a fire department pumper.
2. The Candidate shall be given a foam educator, hose, & nozzle.
3. The Candidate shall be given actual or simulated foam concentrate.
4. The Evaluator shall attach and submit all supporting documentation to GFSTC.
5. The Candidate shall be given the instructions below before beginning the exercise.
6. Check off each step as the Candidate completes it.

INSTRUCTIONS TO THE CANDIDATE

Produce a foam fire stream so that proportioned foam is provided with 100% accuracy!

1. Wears appropriate PPE (Firefighting boots, helmet, gloves).
2. Places apparatus in proper position to operate from hydrant.
3. Places wheel chocks under wheels.
4. Engages fire pump.
5. Checks the educator and the nozzle to ensure they are rated for the same GPM flow.
6. Checks & sets foam educator for the same percentage rating as indicated on the foam container.
7. Selects and attaches hoseline with nozzle on the discharge side of the educator.
8. Places pick up tube of the educator in the foam concentrate.
9. Charges hoseline and increases to the pressure recommended by the educator manufacturer. (200 psi usually)
10. Produces properly proportioned foam stream.
11. Performs operation safely.

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RELAY PUMP A SUPPLY LINE
 Skill Number: 5.2.5.1

INSTRUCTIONS TO THE MONITOR/EVALUATOR:

1. The Candidate shall be given a specified water source and two fire department pumps.
2. The Candidate shall be given a relay-pumping evolution & 250' of supply hose.
3. The Candidate shall be provided the desired flow & intake pressure.
4. The Evaluator shall attach and submit all supporting documentation to GFSTC.
5. The Candidate shall be given the instructions below before beginning the exercise.
6. Check off each step as the Candidate completes it.

INSTRUCTIONS TO THE CANDIDATE

Pump a supply line of 2½ inch or larger so that the correct pressure and flow are provided to the next pumper in the relay with 100% accuracy!

1. Wears appropriate PPE (Firefighting boots, helmet, gloves).
2. Places apparatus in proper position to operate from hydrant.
3. Places wheel chocks under wheels.
4. Engages fire pump.
5. Connects supply hose from apparatus to hydrant.
6. Open hydrant fully.
7. Pumps from internal source and transitions to external source.
8. Operates auxiliary cooling system.
9. Calculates friction loss and gallons per minute for each scenario given.
10. Assembles additional hose lines, nozzles, valves and appliances as necessary.
11. Operates relief valve (pressure control system)
12. Provides correct flow and pressure to the next pumper in the relay.

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Evaluator: _____ Date: _____ GFSTC ID #: _____ **PASS REDO**

Re-Test Evaluator: _____ Date: _____ GFSTC ID #: _____ **PASS FAIL**