

TEXAS COMMISSION ON FIRE PROTECTION
DRIVER/OPERATOR – PUMPER
Performance Standards Evaluation

Skill #1

PREVENTIVE MAINTENANCE – Routine tests, Inspections, and Servicing Functions

PERFORMANCE STANDARD

Section 700

NFPA 1002- 4.2.1, 4.2.2

Driver/Operator

OBJECTIVE:

NFPA 1002-4.2.1 Perform routine tests, inspections, and servicing functions on the systems and components specified in the following list, given a fire department vehicle, its manufacturer's specifications, and policies and procedures of the jurisdiction, so that the operational status of the vehicle is verified:

- (1) Battery/Batteries
- (2) Braking system
- (3) Coolant system
- (4) Electrical system
- (5) Fuel
- (6) Hydraulic fluids
- (7) Oil
- (8) Tires
- (9) Steering system
- (10) Belts
- (11) Tools, appliances, and equipment

NFPA 1002-4.2.2 Document the routine tests, inspections, and servicing functions, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported.

INSTRUCTIONS – procedures for achieving the objective

The Driver/Operator-Pumper candidate, given a fire department vehicle, maintenance, and inspection forms shall perform and document the routine tests, inspections, and servicing functions, so that all items are checked for operation and deficiencies are reported.

EXAMINER'S NOTE

The Driver/Operator-Pumper candidate will not be allowed to review the performance steps at the time of testing.

The Examiner should utilize the Performance Standards-Activity Sheet 1: Apparatus Test, Inspection and Service Form to determine the specific items to be inspected for each step listed on the skill sheet.

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PREPARATION & EQUIPMENT

Appropriate safety equipment (gloves, eye and ear protection, etc.)

Fire department vehicle

Tools and equipment

Policies and procedures

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Candidate: _____ Notes: _____

Training Provider: _____

Test Site: _____

Driver/Operator – Pumper	<u>TEST</u>		<u>RETEST</u>	
Skill #1	S	U	S	U
Perform routine tests, inspections, and servicing functions on the systems and components specified in the following list, given a fire department vehicle and its manufacturer’s specifications, so that the operational status of the vehicle is verified: (1) Battery/Batteries (2) Braking system (3) Coolant system (4) Electrical system (5) Fuel (6) Hydraulic fluids (7) Oil (8) Tires (9) Steering system (10) Belts (11) Tools, appliances, and equipment (4.2.1)				
Document the routine tests, inspections, and servicing functions, given maintenance and inspection forms, so that all items are checked for operation and deficiencies are reported. (4.2.2)				
PART ONE				
The candidate tested, inspected or serviced:	S	U	S	U
a) Battery/Batteries				
b) Braking system				
c) Coolant system				
d) Electrical system				
e) Fuel				
f) Hydraulic fluids				
g) Oil				
h) Tires				
i) Steering system				

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j) Belts				
k) Tools, appliances, and equipment				
l) Utilized hand tools and equipment as needed				
m) Recognized system problems				
n) Corrected any deficiencies according to policies and procedures				
o) Performed skill in a safe and proficient manner				
PART TWO				
The candidate:	S	U	S	U
a) Correctly documented inspection				
b) Accurately reported any deficiencies found				
c) Completed all related departmental forms				

S = Satisfactorily completed/performed

U = Unsatisfactorily performed/failed to meet objective or grading step

Examiner/Candidate Comments:

All steps of the skill objective are mandatory and must be scored as “Satisfactory” to pass the skill.

Certifying Examiner	Date
Re-Test Certifying Examiner	Date

Driver Skill Sheet
Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Driver Skill Sheet Re-Test
Pass <input type="checkbox"/> Fail <input type="checkbox"/>

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Performance Standards Evaluation

Performance Standards-Activity Sheet 1

Apparatus Test, Inspection and Service Form

Use safety equipment and hand tools to test, inspect or service the items on the checklist to recognize any system problems and correct any deficiency according to agency policies and procedures. Place a mark in the "Item Checked" column after each item is checked. Use the "Notes" column to note any deficiencies. Date and sign the form in the indicated area.

Item	Item Checked	Notes
Battery/Batteries		
Check water level, if applicable		
Check tightness of terminals with appropriate hand tool		
Inspect terminals for corrosion		
Evaluate general condition (damage, tie-downs)		
Braking system		
<u>Air-Actuated Brakes</u>		
Check for leaks		
Ensure manual or automatic purging of excess condensation		
Confirm braking system meets NFPA requirements for air pressure recovery		
<u>Hydraulic Brakes</u>		
Check for leaks		
Ensure hydraulic fluid level is within manufacturer's recommended specifications		
Coolant system		
Check for leaks		
Check condition of hoses and/or lines		
Ensure coolant level is within manufacturer's recommended specifications		
Electrical system		
Ensure charging system is operational		
Confirm gauges are functioning		
Check ignition system by starting engine (engine oil check must be performed prior to this step)		
Ensure all vehicle lights are operational		
Ensure all visual and audible emergency warning devices are operational		
Evaluate general condition of accessible wires and connections		

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Item	Item Checked	Notes
Fuel		
Report fuel gauge level		
Check for leaks		
Hydraulic fluids		
Check for leaks		
Ensure hydraulic fluid level was within manufacturer's recommended specifications		
Oil		
Check for leaks		
Ensure engine oil level is within manufacturer's recommended specifications		
Ensure engine oil pressure is within manufacturer's recommended specifications		
Tires		
Check condition of valve and stem		
Evaluate condition of tire tread		
Check depth of tire tread		
Check for damage		
Use an air gauge, to ensure that tire air pressure was within manufacturer's recommended specifications		
Check lug nuts for tightness, rust, and missing nuts		
Steering system		
Check for leaks		
Ensure steering fluid level was within manufacturer's recommended specifications		
Check for "excessive play" in steering wheel		
Belts		
Ensure proper adjustment		
Check for excessive wear and/or cracking		
Tools, appliances, and equipment		
Ensure required tools, appliances, and equipment were present as required by the authority having jurisdiction		
Ensure required tools, appliances, and equipment are in good working order		

Signature

Printed Name

Date

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