NFPA 1002, 2009 Edition, 4.2.1

REFERENCE: NC Fire & Rescue Commission DO EVD, Unit 5, Lesson 1.

PERFORMANCE OBJECTIVE: The Driver/Operator candidate, given a fire service apparatus and its manufacturer's specifications, will correctly identify, perform and document the routine tests, inspections and servicing required to verify the vehicle's operational status and report any deficiencies.

PERFORMANCE EVALUATION: The evaluator shall provide the Driver/Operator candidate with a fire service apparatus typical to his/her respective jurisdiction and any necessary tools and equipment required. The evaluator shall list the specific areas of the apparatus for the candidate to evaluate and then have each candidate perform the necessary tests, inspections and servicing functions required for the fire service pumping apparatus. The candidate shall perform the necessary tests and inspections noting any problems or items needing correction. The candidate shall state or demonstrate the proper servicing procedures according to the manufacturer. The candidate will correctly document all findings and report all deficiencies on the proper inspection and maintenance forms.

INSTRUCTOR'S STATEMENT: The Driver/Operator candidate will correctly evaluate the batteries and the braking system for this performance evaluation.

SCORING

If the Driver/Operator candidate: ADD

Battery(ies)

1. Checks battery(ies) for damage and terminal corrosion. 1 ___
2. Checks electrolyte levels. 1 ___
3. Properly cleans battery and battery box and neutralizes any external acid buildup. 1 ___
4. Checks cell specific gravity, and tests for voltage. 1 ___
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Braking system

1. Pressure tests the brakes by operating the foot pedal. 5 ___
2. Checks the brake fluid level on a hydraulic brake system or checks air system for leaks and bleeds moisture from air tanks on apparatus with air brakes. 1 ___

Electrical system

1. Checks all apparatus lighting system components. 2 ___
2. Checks all electrical motors. 2 ___
3. Checks the voltage regulator operation. 2 ___
4. Checks generator or alternator for obvious damage, loose wires or components. 2 ___

Lubrication

1. Checks transmission oil or fluid levels. 5 ___
2. Checks differential oil level. 5 ___
3. Checks for leaks. 2 ___

Tires

1. Checks tires for signs of damage (cuts, punctures, breaks) or abnormal wear. 5 ___
2. Checks tire pressure. 5 ___

Tools, appliances and equipment

1. Checks to see that all tools, equipment and appliances are in their proper location. 2 ___
2. Checks for proper operation of all tools, equipment and appliances. 2 ___
**Coolant system**
1. Checks coolant level of the radiator.  
2. Checks for any leaks in the cooling system.

**Fuel**
1. Checks fuel level.  
2. Checks fuel pump and fuel lines for leaks.

**Hydraulic fluids**
1. Checks all hydraulic system's fluid levels.  
2. Inspects all hydraulic systems for leaks.

**Oil**
1. Checks oil level  
2. Checks oil pressure with engine on.

**Belts**
1. Inspects all belts for proper tension, excessive wear, breaks or cracking.  
2. Identifies that there are no missing belts.

**Steering system**
1. Checks power steering fluid reservoir level.  
2. Checks steering device (mechanical components of the steering assembly)  
3. Documents the performed actions.

**POINTS**

Total possible points for this skill: 100  
Total points needed to pass: 70  
Total points scored by candidate:__________________