



**DAILY/WEEKLY WALK-AROUND CHECK**  
**FOR MOBILE FIRE APPARATUS**

Fire Department Name \_\_\_\_\_ Week Start Date \_\_\_\_\_

Apparatus No. \_\_\_\_\_ Station \_\_\_\_\_ Week End Date \_\_\_\_\_

Start mileage \_\_\_\_\_ End mileage \_\_\_\_\_ Start engine hours \_\_\_\_\_ End engine hours \_\_\_\_\_

Inspectors: Sun \_\_\_\_\_ Mon \_\_\_\_\_ Tue \_\_\_\_\_ Wed \_\_\_\_\_ Thur \_\_\_\_\_ Fri \_\_\_\_\_ Sat \_\_\_\_\_

Legend:      **✓** = OK                                      **R** = Repair or adjustment required (requires comment)

**NA**=Not Applicable                      **C** = Corrected

OPERATIONS	Sun	Mon	Tue	Wed	Thu	Fri	Sat
<b>1.0 Engine</b>							
1. Check engine oil and transmission levels.							
2. Check engine coolant level.							
3. Check for integrity of frame and suspension.							
4. Check power steering fluid.							
<b>2.0 Outside</b>							
1. Check for fluid leaks under vehicle.							
2. Check steering shafts and linkages.							
3. Check wheels and lug nuts.							
4. Check tire condition.							
5. Check tire air pressure.							
<b>3.0 Cab</b>							
1. Check seats and seat belts.							
2. Start engine, check all gauges.							
3. Check windshield wipers.							
4. Check mirror adjustments.							
5. Check horn(s).							
6. Check steering shafts.							
7. Check cab glass.							
<b>4.0 Body</b>							
1. Check steps, running boards & underbody lights.							
2. Check body & door condition.							
3. Check grab handles.							

OPERATIONS	Sun	Mon	Tues	Wed	Thu	Fri	Sat
<b>5.0 Electric</b>							
1. Check battery voltage and charging system voltage.							
2. Check line voltage system.							
3. Check all lights (TC and warning).							
<b>6.0 Brakes</b>							
1. Conduct air brake system test.							
2. Check parking brake.							
3. Check hydraulic brake fluid level.							
<b>7.0 Pump</b>							
1. Operate pump, check pump panel engine gauges.							
2. Check pump for pressure operation.							
3. Check discharge relief or pressure governor operation.							
4. Check all pump drain valves.							
5. Check all discharge and intake valve operation.							
6. Check pump and tank for water leaks.							
7. Check all valve bleeder/drain operation.							
8. Check primer pump operation.							
9. Check system vacuum hold.							
10. Check water tank level indicator.							
11. Check primer oil level (if applicable).							
12. Check transfer valve operation (if equipped).							
13. Check booster reel operation (if equipped).							
14. Check all pump pressure gauge operation.							
15. Check all cooler valves.							
16. Check for oil leaks in pump area.							
<b>8.0 Aerial</b>							
1. Operate aerial hydraulics.							
2. Check aerial outrigger operation.							
3. Check aerial operation.							
4. Check aerial hydraulic fluid level.							
5. Visually inspect aerial structure							

Comments \_\_\_\_\_

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**QUARTERLY/ANNUAL**  
**MOBILE FIRE APPARATUS INSPECTION REPORT**

Fire Department Name \_\_\_\_\_ Date \_\_\_\_\_

Inspectors: \_\_\_\_\_

Apparatus No. \_\_\_\_\_ Station \_\_\_\_\_

Apparatus Manufacturer \_\_\_\_\_

Chassis Make \_\_\_\_\_

Chassis Model \_\_\_\_\_

Manufacturer Serial No. \_\_\_\_\_

Chassis VIN \_\_\_\_\_

Odometer \_\_\_\_\_

Engine Hour Meter \_\_\_\_\_

Pump Hour Meter \_\_\_\_\_

(Other \_\_\_\_\_) Hour Meter \_\_\_\_\_

Legend:      **✓** = OK                      **R** = Repair or adjustment required (requires comment)  
                 **NA**=Not Applicable              **C** = Corrected  
                 **U** = Unsafe condition requires repair prior to use

**CHASSIS INSPECTION**

**Engine and Cooling Systems**

- |                               |  |
|-------------------------------|--|
| _____ Oil level and condition | _____ Battery cables and clamps            |
| _____ Oil leaks               | _____ Battery fluid level                  |
| _____ Coolant level           | _____ Battery terminal voltage _____ volts |
| _____ Antifreeze protection   | _____ Chassis grounds and connections      |

- \_\_\_ Coolant additive level
- \_\_\_ Fuel system for leaks
- \_\_\_ Fuel system plumbing condition
- \_\_\_ Power steering fluid level
- \_\_\_ Power steering pump and plumbing
- \_\_\_ Coolant hose condition and leaks
- \_\_\_ Alternator mounting brackets
- \_\_\_ Alternator connections
- \_\_\_ Charging system output \_\_\_ volts
- \_\_\_ Auxiliary cooler connections
- \_\_\_ Battery condition and hold downs

- \_\_\_ Starter motor cable condition
- \_\_\_ Starter motor operation
- \_\_\_ Fan mounting bolts and adjustment
- \_\_\_ Fan shroud clearance and condition
- \_\_\_ Fan clutch or shutters operation
- \_\_\_ Air filter element condition
- \_\_\_ Air intake tubes and hoses
- \_\_\_ All belts condition and adjustment
- \_\_\_ After-cooler or intercooler tuber and hoses
- \_\_\_ Motor mount condition
- \_\_\_ Radiator cap pressure

**Comments**

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**Chassis and Components**

**Fluid Levels**

- \_\_\_ Lubricate Chassis
- \_\_\_ All fluid levels

**Front Axle**

- \_\_\_ Front spring and shock condition
- \_\_\_ Front wheel bearings and king pins

**Steering**

- \_\_\_ Steering linkage and tie rods
- \_\_\_ Steering box mounting
- \_\_\_ Steering system plumbing for leaks
- \_\_\_ Manual steering box fluid level

**Rear Axle**

- \_\_\_ Rear spring condition
- \_\_\_ Rear spring torque tubes and shocks
- \_\_\_ Axle flanges for leaks and tightness
- \_\_\_ Frame rails and cross members

**Transmission**

- \_\_\_ Auto trans fluid level
- \_\_\_ Auto trans mounting and condition
- \_\_\_ Auto trans and plumbing for leaks
- \_\_\_ Auto trans lockup system
- \_\_\_ Manual trans oil level
- \_\_\_ Manual trans mounting
- \_\_\_ Manual trans for leaks

**Fuel**

- \_\_\_ Fuel tank and plumbing for leaks
- \_\_\_ Fuel tank mounting

**Tires/Wheels**

- \_\_\_ Tire and wheel conditions
- \_\_\_ Lug nuts for torque
- \_\_\_ Tire tread depth Front \_\_\_ Rear \_\_\_
- \_\_\_ Tire air pressure Front \_\_\_ Rear \_\_\_

**Driveline**

- \_\_\_ Driveline U-joints and yokes
- \_\_\_ Driveline carrier bearings
- \_\_\_ Differential oil levels and leaks

**Brakes**

- \_\_\_ Brake condition (amount of material)
- \_\_\_ Brake adjustment and operation
- \_\_\_ Air brake valves and tanks
- \_\_\_ Lubricate brake pedal pivot pin
- \_\_\_ Drain air tanks and check air dryer
- \_\_\_ Air brake lines and chambers
- \_\_\_ Air brake leaks and buildup
- \_\_\_ Hydraulic brakes for leaks
- \_\_\_ Hydraulic brake components
- \_\_\_ Hydro-vac operation and mounting
- \_\_\_ Parking brake operation

**Exhaust system**

- \_\_\_ Exhaust system and muffler

**Comments on Chassis and Components Inspection**

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**Fire Pump, Tank, and Components**

- \_\_\_ Pump plumbing
- \_\_\_ High pressure pump system
- \_\_\_ Pressure control device operation and response time
- \_\_\_ Transfer valve operation
- \_\_\_ Intake relief operation
- \_\_\_ Primer operation
- \_\_\_ Dry vacuum test
  - Initial reading \_\_\_ in. vacuum
  - Leakage in 5 minutes \_\_\_ in. vacuum
- \_\_\_ Primer motor solenoid voltage drop \_\_\_ V
- \_\_\_ Pump packing – adjust if necessary
- \_\_\_ Mechanical seals for leaks
- \_\_\_ Discharge and intake valve operation
- \_\_\_ Valves, linkage, remote rods, and pivot points
- \_\_\_ Drain valves
- \_\_\_ Tank-to-pump and tank fill valves
- \_\_\_ Auxiliary cooler
- \_\_\_ Suction strainer
- \_\_\_ Pre-connect valves and plumbing
- \_\_\_ Deck gun valve and plumbing
- \_\_\_ Front or rear suction valves and plumbing
- \_\_\_ Auto-lube level and fluid condition
- \_\_\_ Water tank mounting and operation
- \_\_\_ Booster reel mounting and operation
- \_\_\_ Anodes in tank and pump
- \_\_\_ Reel motor solenoid voltage drop \_\_\_ V
- \_\_\_ Pump mounting integrity
- \_\_\_ Pump driveline U-joints, yokes and flanges

**Comments on Fire Pump, Water Tank, and Components Inspection**

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## **FOAM PROPORTIONING SYSTEM INSPECTION**

Foam system manufacturer \_\_\_\_\_ Model \_\_\_\_\_

Serial Number \_\_\_\_\_

\_\_\_\_ Instrumentation, gauges, and controls

\_\_\_\_ Hydraulic system

\_\_\_\_ Strainer or filter

\_\_\_\_ Hydraulic fluid tank mounting and integrity

\_\_\_\_ Foam concentrate pump

\_\_\_\_ Foam concentrate tank mounting and integrity

\_\_\_\_ Lubricant level and condition

\_\_\_\_ Foam eductor system, metering, and check valve

\_\_\_\_ Hydraulic pump

### **Comments on foam proportioning system inspection**

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## **AERIAL DEVICE INSPECTION**

Fire Department Name \_\_\_\_\_ Date \_\_\_\_\_

Inspectors: \_\_\_\_\_

Apparatus No. \_\_\_\_\_ Station \_\_\_\_\_

Apparatus Manufacturer \_\_\_\_\_

Chassis Make \_\_\_\_\_

Chassis Model \_\_\_\_\_

Manufacturer Serial No. \_\_\_\_\_

Chassis VIN \_\_\_\_\_

Odometer \_\_\_\_\_

Engine Hour Meter \_\_\_\_\_

Pump Hour Meter \_\_\_\_\_

(Other \_\_\_\_\_) Hour Meter \_\_\_\_\_

**Aerial manufacturer** \_\_\_\_\_ **Model** \_\_\_\_\_

**Aerial device serial number** \_\_\_\_\_

**Aerial hours** \_\_\_\_\_ **Rated capacity** \_\_\_\_\_

### **Hydraulic Systems**

#### **Turntable**

\_\_\_\_ Rotation gear reduction box

\_\_\_\_ Rotation hydraulic swivel

\_\_\_\_ Lines and hoses

### **Tractor Drawn Components**

\_\_\_\_ Mounting to frame bolts

\_\_\_\_ Rotation gear reduction box mounting bolts

\_\_\_\_ Boom support/ladder cradle mounting bolts



\_\_\_ Control valve

**Chassis**

- \_\_\_ Hydraulic tank
- \_\_\_ Hydraulic fluid levels
- \_\_\_ Hydraulic fluid sample
- \_\_\_ PTO
- \_\_\_ Hydraulic pump
- \_\_\_ Auxiliary power pump
- \_\_\_ Lines and hoses

**Stabilizer**

- \_\_\_ Cylinders
- \_\_\_ Control valve
- \_\_\_ Lines and hoses
- \_\_\_ Diverter valve

**Aerial**

- \_\_\_ Elevation cylinder
- \_\_\_ Extension cylinder
- \_\_\_ Lines and hoses
- \_\_\_ Tip controls

**Platform**

- \_\_\_ Control valve
- \_\_\_ Leveling cylinders
- \_\_\_ Lines and hoses

**Stabilizer**

- \_\_\_ Mounting to frame or torque box
- \_\_\_ Mounting bolts

**Lubrication**

- \_\_\_ Sheaves
- \_\_\_ Cables
- \_\_\_ Ladder section base rails
- \_\_\_ Ladder heel pin
- \_\_\_ Rotation gear and bearing
- \_\_\_ Rotation gear reduction box
- \_\_\_ Elevation cylinder pins
- \_\_\_ Extension cylinder pins
- \_\_\_ Stabilizer extension cylinder pins
- \_\_\_ Aerial waterway pipe sections

**Indicators**

- \_\_\_ Rung alignment
- \_\_\_ PTO engaged
- \_\_\_ Aerial alignment
- \_\_\_ Turntable alignment
- \_\_\_ Elevation
- \_\_\_ Extension
- \_\_\_ Turntable level

**Turntable Components**

- \_\_\_ Safety signs
- \_\_\_ Communication system

- Turntable mounting bolts
- Torque box mounting to frame bolts
- Suspension system bolts

- Emergency hydraulic power
- Interlock systems
- Electrical lines

**Aerial Components**

- Gore Tube
- Waterway
- Sheaves
- Pinable waterway
- Rung covers
- Breathing air
- Wear strips

**Stabilizer Components**

- Lights
- Pads
- Interlocks
- Safety pins

**Comments on Aerial Device Inspection**

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## **PUMP PERFORMANCE TEST**

Fire Department Name \_\_\_\_\_ Date \_\_\_\_\_

Inspectors: \_\_\_\_\_

Apparatus No. \_\_\_\_\_ Station \_\_\_\_\_

Apparatus Manufacturer \_\_\_\_\_

Chassis Make \_\_\_\_\_

Chassis Model \_\_\_\_\_

Manufacturer Serial No. \_\_\_\_\_

Chassis VIN \_\_\_\_\_

Odometer \_\_\_\_\_

Engine Hour Meter \_\_\_\_\_

Pump Hour Meter \_\_\_\_\_

(Other \_\_\_\_\_ ) Hour Meter \_\_\_\_\_

Engine Make \_\_\_\_\_

Engine Model \_\_\_\_\_

Pump Manufacturer \_\_\_\_\_

Pump Model \_\_\_\_\_

Pump Serial No. \_\_\_\_\_

Pump rated capacity \_\_\_\_\_ (gpm) (L/min) at \_\_\_\_\_ (psi) (kPa)

Test site location \_\_\_\_\_

Person conducting the test \_\_\_\_\_

Representing \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

AHJ representative \_\_\_\_\_ Date \_\_\_\_\_

**RESULTS:** PASS \_\_\_\_\_ FAILURE \_\_\_\_\_

**Comments / Repairs / Adjustments** \_\_\_\_\_

\_\_\_\_\_

Speed check taken from \_\_\_\_\_ Ratio to engine \_\_\_\_\_

Tests performed from  Draft  Hydrant

Suction hose size \_\_\_\_\_ (in.) (mm) Length \_\_\_\_\_ (ft) (m)

	At Start of Tests	At End of Tests
Atmospheric pressure		
Air temperature		
Water temperature		
Elevation of test site		
Lift		

Governed engine speed \_\_\_\_\_ Actual maximum engine speed \_\_\_\_\_

Verify operation of pump shift indicator \_\_\_\_\_

Verify operation of pump engine control interlock at pump operator's panel \_\_\_\_\_

Maximum vacuum attained \_\_\_\_\_ Vacuum drop in 5 minutes \_\_\_\_\_

Time to prime pump \_\_\_\_\_

Pressure control device test:

Rise while pumping capacity at 150 psi \_\_\_\_\_

Rise while pumping capacity at 90 psi \_\_\_\_\_

Rise while pumping 50 percent capacity at 250 psi \_\_\_\_\_

Intake relief valve test results \_\_\_\_\_

Tank to pump water flow test \_\_\_\_\_

Gauge accuracy \_\_\_\_\_ Flow-meter accuracy \_\_\_\_\_

## Pump Test Results

	Capacity Test	Overload Test	200 psi Test	250 psi Test
Duration				
Average nozzle pressure				
Corrected pressure				
Gallons per minute				
Average pump pressure				
RPM - engine				
RPM - pump				

### Comments

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## 20 Minute Capacity Test

Layout \_\_\_\_\_ Nozzle size \_\_\_\_\_ Position of transfer valve \_\_\_\_\_

Time	Counter (if used)	Rpm	Tach	Engine Temperature	Oil Pressure	Voltage	Automatic Transmission Temp (if equipped)	Pump Intake		Pump Discharge		Pitot/ flow
								Apparatus gauge	Test gauge	Apparatus gauge	Test gauge	

**5 Minute Overload Test**

Layout \_\_\_\_\_ Nozzle size \_\_\_\_\_ Position of transfer valve \_\_\_\_\_


**10 Minute 200 psi Test**

Layout \_\_\_\_\_ Nozzle size \_\_\_\_\_ Position of transfer valve \_\_\_\_\_


**10 Minute 250 psi Test**

Layout \_\_\_\_\_ Nozzle size \_\_\_\_\_ Position of transfer valve \_\_\_\_\_


**RESULTS:** PASS \_\_\_\_\_ FAILURE \_\_\_\_\_

**Comments / Repairs / Adjustments** \_\_\_\_\_  
\_\_\_\_\_

## **AERIAL DEVICE INSPECTION AND PERFORMANCE TEST**

Fire Department Name \_\_\_\_\_ Date \_\_\_\_\_

Inspectors: \_\_\_\_\_

Apparatus No. \_\_\_\_\_ Station \_\_\_\_\_

Apparatus Manufacturer \_\_\_\_\_ Manufacturer Serial No. \_\_\_\_\_

Chassis Make \_\_\_\_\_ Chassis Model \_\_\_\_\_

Chassis VIN \_\_\_\_\_

Odometer \_\_\_\_\_

Engine Hour Meter \_\_\_\_\_ Pump Hour Meter \_\_\_\_\_

(Other \_\_\_\_\_ ) Hour Meter \_\_\_\_\_

Engine Make \_\_\_\_\_ Engine Model \_\_\_\_\_

Type of Aerial Device:  Aerial ladder     Elevating platform     Water tower

Aerial Device Manufacturer \_\_\_\_\_ Aerial Device Model \_\_\_\_\_

Aerial Device Serial No. \_\_\_\_\_

Rated vertical height \_\_\_\_\_

Aerial hours \_\_\_\_\_

**Reason for test**

\_\_\_\_\_  
\_\_\_\_\_

Test site location \_\_\_\_\_

Person conducting the test \_\_\_\_\_

Representing \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

AHJ representative \_\_\_\_\_ Date \_\_\_\_\_

**RESULTS:**    **PASS** \_\_\_\_\_    **FAILURE** \_\_\_\_\_

**Comments / Repairs / Adjustments** \_\_\_\_\_

\_\_\_\_\_

**Conditions**

Weather conditions at time of test \_\_\_\_\_

Temperature \_\_\_\_\_ (°F) (°C) Wind velocity (estimate) \_\_\_\_\_ (mph) (km/hr)

**Visual Inspection (Attach copy of Manufacturer Checklist)**

Comments

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Disposition of any problems

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**Operational Inspection**

Comments

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Disposition of any problems

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**Load Test**

Total weight used \_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Disposition of any problems \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**Water System Test**

Comments \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Disposition of any problems \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

## LOW VOLTAGE ELECTRICAL SYSTEM PERFORMANCE TEST

Apparatus no. or designation \_\_\_\_\_ Year manufactured \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Serial no. \_\_\_\_\_  
Number of batteries \_\_\_\_\_ Voltage \_\_\_\_\_  
Battery manufacturer \_\_\_\_\_ Size/model \_\_\_\_\_

### Battery Tests

Battery rated CCA \_\_\_\_\_ Open circuit voltage(s) before testing \_\_\_\_\_

Conductivity test results: CCA value(s) \_\_\_\_\_  Pass  Fail

Or

Load test results: Test current \_\_\_\_\_ Battery Temperature \_\_\_\_\_ °F (°C)

Minimum allowed voltage \_\_\_\_\_

Terminal voltage(s) \_\_\_\_\_  Pass  Fail

### Starter Wiring Test

Voltage drop in positive (+) lead \_\_\_\_\_  Pass  Fail

Voltage drop in negative (-) lead \_\_\_\_\_  Pass  Fail

### Alternator Test

Alternator manufacturer \_\_\_\_\_ Model \_\_\_\_\_

Alternator nameplate rating \_\_\_\_\_

Alternator test output \_\_\_\_\_  Pass  Fail

Voltage drop in positive (+) lead \_\_\_\_\_  Pass  Fail

### Regulator Test

Regulator temperature \_\_\_\_\_

Regulator voltage, minimum load \_\_\_\_\_  Pass  Fail

Regulator voltage, loaded \_\_\_\_\_  Pass  Fail

### Battery Charger/Conditioner Test

Rated output \_\_\_\_\_ Test output \_\_\_\_\_  Pass  Fail

Float voltage \_\_\_\_\_  Pass  Fail

### Total Continuous Load Test

Battery voltage at start of test \_\_\_\_\_

Battery voltage at end of test \_\_\_\_\_  Pass  Fail

### Solenoid and Power Relay Test

Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Device Tested _____	Voltage drop _____	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Comments on low voltage electrical system performance test \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Person conducting the test \_\_\_\_\_

Representing \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

AHJ representative \_\_\_\_\_ Date \_\_\_\_\_

## LINE VOLTAGE ELECTRICAL SYSTEM PERFORMANCE TEST

Apparatus no. or designation \_\_\_\_\_ Year manufactured \_\_\_\_\_

Manufacturer \_\_\_\_\_ Serial no. \_\_\_\_\_

Power source type \_\_\_\_\_ Manufacturer \_\_\_\_\_

Model \_\_\_\_\_

Ratings – Volts \_\_\_\_\_ AC/DC \_\_\_\_\_ Phase \_\_\_\_\_ Frequency \_\_\_\_\_

Amps \_\_\_\_\_ Watts \_\_\_\_\_

Line voltage system is:     Isolated     Bonded neutral

### Power Source Annual Load Test

Test load total wattage \_\_\_\_\_

Test Case	Voltage	Frequency
No load at start		
Loaded at start		
Loaded, 10 minutes		
Loaded at end		
No load at end		
Minimum allowed		
Maximum allowed		
	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

### Receptable Wiring Tests

Pass     Fail    Number of tests \_\_\_\_\_

Identify any problem receptacles \_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

### Ground Fault Circuit Interrupters (GFCIs)

Pass     Fail    Number of GFCIs tested \_\_\_\_\_

Comments \_\_\_\_\_

### Operational Tests of Line Voltage Equipment

Pass    Fail   Describe any failures or problems \_\_\_\_\_

Comments \_\_\_\_\_

### Power Source Full Load Test

Test load total wattage \_\_\_\_\_

Test Case	Voltage	Frequency
0% load at start		
50% load at start		
100% load, 0 minutes		
100% load, 10 minutes		
100% load, 20 minutes		
100% load, 30 minutes		
100% load, 40 minutes		
50% load at end		
0% load at end		
Minimum allowed	(-10%)	(-3Hz)
Maximum allowed	(+10%)	(+3Hz)
	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

### Dielectric Withstand Test

Pass    Fail    Not Applicable   Comments \_\_\_\_\_

Comments about line voltage electrical system performance test \_\_\_\_\_

Person conducting the test \_\_\_\_\_

Representing \_\_\_\_\_

Signature \_\_\_\_\_

Date \_\_\_\_\_

AHJ representative \_\_\_\_\_

Date \_\_\_\_\_

## **FOAM PROPORTIONING SYSTEM PERFORMANCE TEST**

Apparatus no. or designation \_\_\_\_\_ Year manufactured \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Model \_\_\_\_\_  
Serial no. \_\_\_\_\_ Vehicle identification no. \_\_\_\_\_  
Foam proportioner make \_\_\_\_\_ Model \_\_\_\_\_  
Foam proportioner type \_\_\_\_\_ Serial no. \_\_\_\_\_

### **Foam proportioner specifications:**

Flow range	Min _____	Max _____
Pressure range	Min _____	Max _____
Percentage range	Min _____	Max _____
Foam concentrate viscosity	Min _____	Max _____
Power requirements	Min _____	Max _____

Test conditions: Proportioning ratio \_\_\_\_\_ Water Flow \_\_\_\_\_ Water Pressure \_\_\_\_\_

### **Test method used:**

- Substituting water for foam concentrate
- Measuring foam concentrate pump output directly
- Determining foam percentage by use of a refractometer

Calibration accuracy \_\_\_\_\_ Within minimum requirements?  Yes  No

Comments on foam proportioning system performance test \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Person conducting the test \_\_\_\_\_  
Representing \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_  
AHJ representative \_\_\_\_\_ Date \_\_\_\_\_

## CAFS COMPRESSOR PERFORMANCE TEST

Apparatus no. or designation \_\_\_\_\_ Year manufactured \_\_\_\_\_

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_

Chassis Serial no. \_\_\_\_\_ Vehicle identification no. \_\_\_\_\_

Compressor make \_\_\_\_\_ Model \_\_\_\_\_

Compressor Serial no. \_\_\_\_\_

Compressor rate capacity at 125 psi (862 kPa) \_\_\_\_\_ SCFM

Compressor drive  Belt  Engine  PTO  Hydraulic

If engine, make \_\_\_\_\_ Model \_\_\_\_\_

Test device \_\_\_\_\_ Airflow meter \_\_\_\_\_ Fixed orifice \_\_\_\_\_ (size)

### Compressor Run Test

Time	Air Pressure	Airflow (SCFM)	Compressor Temperature
Start			
5 minutes			
10 minutes			
15 minutes			
20 minutes			

Maximum air pressure: psi \_\_\_\_\_

### Pressure Balance Test

Time	Water Pressure	Air Pressure	Percent Difference
At test start			
With air flowing			
After 5 minutes			

Comments on CAFS compressor performance test \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Person conducting the test \_\_\_\_\_

Representing \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

AHJ representative \_\_\_\_\_ Date \_\_\_\_\_

