

Building Fire Pump Tests – NFPA 25

Insert Logo Here	Service Company Information (Address, Telephone, & Contact Information)	Date of Service:				Last Service Date:			
		Daily <input type="checkbox"/>	Weekly <input type="checkbox"/>	Monthly <input type="checkbox"/>	Quarterly <input type="checkbox"/>				
		Semiannual <input type="checkbox"/>	Annual <input type="checkbox"/>	Third Year <input type="checkbox"/>	Fifth Year <input type="checkbox"/>				
Building Name:				Contact Person:				Phone:	
								Fax:	
Address:				Owner/Strata Number:				Phone:	
								Fax:	
City:		Postal Code:		Central Station:				Phone:	
								Fax:	

NAME PLATE INFORMATION:

PUMP				MOTIVATOR			
Make:				Type:	Diesel <input type="checkbox"/>	Electric <input type="checkbox"/>	Other: _____
Model:				Make:	Serial Number: _____		
Serial Number:				Model:	Size: _____ HP		
Capacity @ 100%:	GPM <input type="checkbox"/>	LPM <input type="checkbox"/>		Voltage:	Full Load Current: _____ Amps		
Rated Head @ 100%:	PSIG <input type="checkbox"/>	KPAG <input type="checkbox"/>		Enclosure:	Rated Speed: _____ RPM		
Capacity @ 150%:	GPM <input type="checkbox"/>	LPM <input type="checkbox"/>		No. of Cylinders:			
Rated Head @ 150%:	PSIG <input type="checkbox"/>	KPAG <input type="checkbox"/>		CONTROLLER			
Shut-off Head:	PSIG <input type="checkbox"/>	KPAG <input type="checkbox"/>		Make:	Serial Number: _____		
Supply Pressure:	PSIG <input type="checkbox"/>	KPAG <input type="checkbox"/>		Model:	Transfer Switch? Yes <input type="checkbox"/> No <input type="checkbox"/>		

NOTE: The pump manufacturer may specify additional testing requirements. The printed maintenance and testing guide must be followed.
 "✓" = **Yes - Tested correctly** "X" = **No - Did not test correctly (NO answers are detailed in "Comments/Remarks")** "NA" = **Not applicable**

FIRE PUMP INSPECTION ITEMS

WEEKLY INSPECTION ITEMS	
Fire Pump Room/Enclosure	
<input type="checkbox"/> Heated to maintain temperature above 4C / 40deg	<input type="checkbox"/> Battery terminals clean, tight and free from corrosion
<input type="checkbox"/> Suction and discharge pressure gauges free from damage	<input type="checkbox"/> All alarm & trouble indicators are off (activate visual lamp test function)
<input type="checkbox"/> Ventilation louvers are unobstructed and free to operate	Exhaust System
System Piping and Valve Condition	<input type="checkbox"/> Inspected for leakage
<input type="checkbox"/> Pump suction, discharge and bypass valves in normal position	<input type="checkbox"/> Condensation trap drained
<input type="checkbox"/> Inspect associated piping for leaks	Electrical System Conditions
<input type="checkbox"/> Suction line pressure normal? _____ PSIG <input type="checkbox"/> KPAG <input type="checkbox"/>	<input type="checkbox"/> Controller power light on
<input type="checkbox"/> System line pressure normal? _____ PSIG <input type="checkbox"/> KPAG <input type="checkbox"/>	<input type="checkbox"/> Transfer switch normal, pilot light illuminated
<input type="checkbox"/> Suction reservoir full?	<input type="checkbox"/> Isolating switch closed - standby (emergency) source
<input type="checkbox"/> Wet pit suction screens are unobstructed and properly installed	<input type="checkbox"/> Reverse phase alarm pilot light off? Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Diesel Engine Condition Inspection	
<input type="checkbox"/> Fuel level is not less than 70% of full capacity	<input type="checkbox"/> Normal phase rotation pilot lamp on? Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
<input type="checkbox"/> Controller selector switch is in "auto" position	<input type="checkbox"/> Oil level is normal (check sight glass) Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
<input type="checkbox"/> Batteries (2) voltage readings are normal	<input type="checkbox"/> Condition of oil in sight glass? Clean <input type="checkbox"/> Cloudy <input type="checkbox"/> Dirty <input type="checkbox"/>
<input type="checkbox"/> Batteries (2) charging current is normal	<input type="checkbox"/> Visual lamp test successful?
<input type="checkbox"/> Batteries (2) status indicator lamps are normal	ANNUAL INSPECTION ITEMS
<input type="checkbox"/> Electrolyte level in batteries is normal	<input type="checkbox"/> Check pump shaft end-play?
<input type="checkbox"/> Engine hour clock reading: _____ hours	<input type="checkbox"/> Check accuracy of pressure gauges and sensors?
<input type="checkbox"/> Oil level in right angle gear drive is normal	<input type="checkbox"/> Check pump coupling alignment?
<input type="checkbox"/> Crankcase oil level is normal	<input type="checkbox"/> Inspect emergency manual starting means (without power)?
<input type="checkbox"/> Condition of oil? Clean <input type="checkbox"/> Cloudy <input type="checkbox"/> Dirty <input type="checkbox"/>	<input type="checkbox"/> Tighten electrical connection as required?
<input type="checkbox"/> Cooling water level is normal	<input type="checkbox"/> Inspect mechanical moving parts for lubrication (not starters/relays)
<input type="checkbox"/> Water-jacket/engine block heater is operating	<input type="checkbox"/> Inspect calibrated pressure switch settings?
	<input type="checkbox"/> Inspect duct work for combustion air?
	<input type="checkbox"/> Inspect exhaust hangers and supports?

The information on this form (and in the documents attached here-to) attest to the fact that the equipment listed here-in was tested/inspected in conformance with applicable codes, bylaws, standards, and the manufacturer's requirements by a qualified technician. The equipment was left in an operational condition except as noted in the spaces marked "comments". A copy should be maintained on the premises in accordance with NFC 2015 Division C Clause 2.2.1.2.

Company Name			
Technician Performing Test	Registration No.	Date	Technician Signature

BUILDING LIFE SAFETY SYSTEMS – FIRE PUMP TESTING – NFPA 25 (2017)

Date:		Address:
Building Name:		

“✓” = **Yes - Tested correctly** “X” = **No - Did not test correctly (NO answers are detailed in “Comments/Remarks”)** “NA” = **Not applicable**

**FIRE PUMP TESTING ITEMS
WEEKLY ACTION ITEMS**

Piping & Associated Equipment

Pump operated without flowing water: 10 minutes 30 minutes

Packing gland checked. Minor leak at no flow? Yes No

 Suction pressure at gauge: _____ PSIG KPAG

 Discharge pressure at gauge : _____ PSIG KPAG

Packing gland adjusted as required? Yes No

Checked for unusual noise or vibration?

Check packing boxes, bearings or pump casing for overheating?

Record pump start pressure : _____ PSIG KPAG

Diesel Engine Driven Pump Test

Pump run for thirty (30) minutes

 Oil Pressure: _____ PSIG KPAG

 Oil Temperature: _____ C F

 Engine Speed: _____ RPM

 Water Temperature: _____ C F

Record time for diesel engine to crank: _____ seconds

Time for engine to normal run speed: _____ seconds

Heat exchanger checked for cooling water flow?

Is the controller performing run tests automatically? Yes No

Test log reviewed via visual display at controller? Yes No

Date last automatic test logged? _____

Electrically Driven Pump Test

Pump run for ten (10) minutes

Time for motor to accelerate to full speed: _____ seconds

For reduced voltage or reduced current starting, record time controller is on first step: _____ seconds

Record automatic stop time: _____ minutes

FIRE PUMP TESTING ITEMS

Monthly testing

Exercise isolating switch & circuit breaker for proper operation? _____

Test circuit breakers and fuses for proper operation? _____

Test batteries for specific gravity and state of charge? _____

Semiannual

Operate manual starting means (electrical)

Operation of safety devices and alarms?

Check concentration of antifreeze?

Steam Systems Testing Procedure

Steam pressure gauge reading: _____ PSIG KPAG

Time for turbine to reach operating speed: _____ seconds

Annual

Operate emergency starting means (without power)

Trip circuit breaker if provided?

Diesel tanks and overflow piping unobstructed?

Test exhaust for excessive back pressure?

Comments/Notations: