



FIRE PUMP INSPECTION CHECKLIST

Fire pumps are an essential part of many water-based fire protection systems. The right design, installation, and acceptance testing of these pumps will help ensure that they are ready to protect the building on the day of the acceptance test. After that, once "the keys" are handed over to the building owner, there is no guarantee that the pump will remain in a ready state to work as designed unless it undergoes routine inspection, testing, and maintenance (ITM). This checklist from Exhibit 8.21 of the *NFPA 25 Handbook: ITM of Water-Based Fire Protection Systems*, covers just one aspect of an ITM program in weekly inspections. For more information on fire pumps and other NFPA products and solutions, visit: nfpa.org/fpsolutions.



FIRE PUMP WEEKLY INSPECTION

Property Name: _____

Inspector: _____

Property Address: _____

Contract No.: _____

Property Phone Number: _____

Date: _____

Inspections: Weekly

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Pump House

Heat in pump room is 40°F (4°C) or higher

Ventilation louvers are free to operate

Excessive water does not appear on the floor

Coupling guard is in place

Heat in pump room is not less than 70°F (21°C) for diesel engine pump without engine heater

Pump Systems

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Pump suction, discharge, and bypass valves are open

No piping or hoses leak

Fire pump leaking one drop of water per second at seals

Suction line pressure is within acceptable range

System line pressure is within acceptable range

Suction reservoir is full

Wet pit suction screens are unobstructed and in place

Waterflow test valves are in closed position, hose connection valve is closed, and the line to test valves is free of water

Electrical Systems

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Controller pilot light (power on) is illuminated

Transfer switch normal power light is illuminated

Isolating switch for standby power is closed

Reverse-phase alarm light is not illuminated

Normal-phase rotation light is illuminated

Oil level in vertical motor sight glass is within acceptable range

Pressure maintenance (jockey) pump has power

Diesel Engine Systems

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Yes No N/A

Diesel fuel tank is at least two-thirds full

Controller selector switch is in "auto" position

Voltage readings for batteries (2) are within acceptable range

Charging current readings are within acceptable range for batteries

Pilot lights for batteries are "on" or battery failure pilot lights are "off"