



My ITM Company

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REG: My State License #

Fire Pump Inspection and Test Report

Property	Riverside Hotel	Date	9/13/2026
Address	100 Example Ave Hartford, CT 06103	Inspector	Mike Carter
Customer	Riverside Hospitality Group	NFPA 25 interval	Annual

Pumps (1)

Pump	Location	Floor	Result
Pump 1	Pump room	B	FAIL

Pump 1 — Pump room

Driver:	Diesel engine driven
Alternative ITM program (A.8.1.1.2) adopted:	No
Rated capacity (pump nameplate):	750 gpm
Rated pressure (pump nameplate):	100 psi
Rated speed (pump nameplate):	1760 rpm
Churn pressure (nameplate, 0% flow):	125 psi
Pressure at 150% rated flow (nameplate):	68 psi
Engine heater present:	Yes
Automatic stop feature present:	No
Battery system voltage:	24 volt

WEEKLY INSPECTION

Heat in pump room is 40°F (4°C) or higher	NO
Ventilation louvers are free to operate	NO
Pump room floor is free of excessive water	YES

Coupling guard is in place	YES
Pump suction, discharge, and bypass valves are open	YES
Piping and hoses are free of leaks	YES
Pump seal leakage is limited to about one drop of water per second	YES
Suction line pressure is within acceptable range	YES
Suction line pressure	62.5 psi
System line pressure is within acceptable range	YES
System line pressure	62.5 psi
Suction reservoir is full	YES
Wet pit suction screens are unobstructed and in place	YES
Waterflow test valves are closed, hose connection valve is closed, and the line to the test valves is free of water	YES
Pressure maintenance (jockey) pump has power	YES
Diesel fuel tank is at least two-thirds full	YES
Controller selector switch is in the "auto" position	YES
Battery voltage readings are within acceptable range	YES
Battery voltage	24.6 V
Battery charging current readings are within acceptable range	YES
Battery charging current	42 A
Battery pilot lights are on, or battery failure pilot lights are off	YES
All alarm pilot lights are off	YES
Engine running time recorded from the meter	YES
Engine running time (cumulative meter reading)	3 hr
Oil level in right angle gear drive is within acceptable range	YES
Crankcase oil level is within acceptable range	YES
Cooling water level is within acceptable range	YES
Electrolyte level in batteries is within acceptable range	YES
Battery terminals are free of corrosion	YES
Water-jacket heater is operational	YES

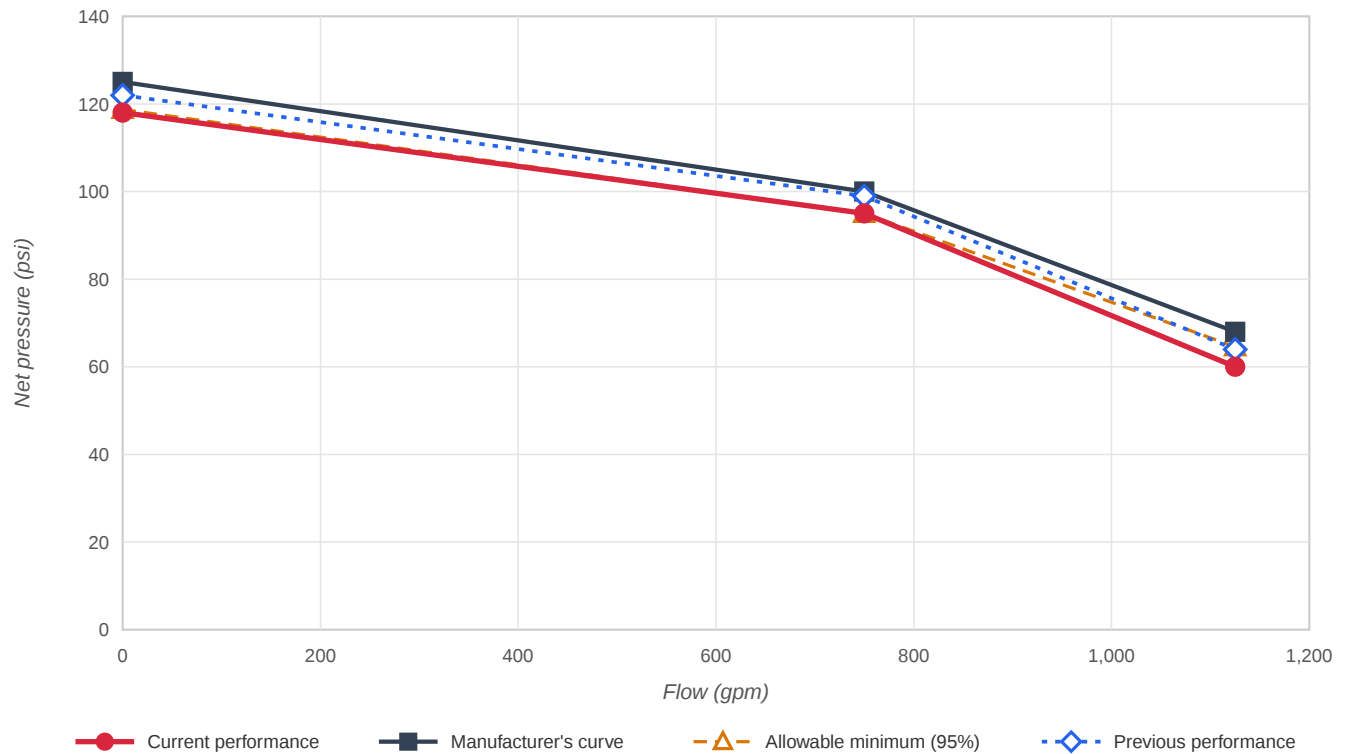
WEEKLY OPERATING TEST	
Pump started automatically by simulating a pressure drop at the controller (8.3.2.2)	YES
Pump starting pressure	62.5 psi
Fire pump operated for 10 minutes (30 minutes for a diesel pump)	YES
Run duration	12 min
Packing gland tightness checked, slight leak at no flow	YES
Suction pressure (gauge)	62.5 psi
Discharge pressure (gauge)	62.5 psi
Gland nuts adjusted where necessary	YES
Pump is free of unusual noise or vibration	YES
Packing boxes, bearings, and pump casing are free of overheating	YES
Pressure switch or pressure transducer reading agrees with the pump discharge gauge	YES
Pressure switch or pressure transducer reading	62.5 psi
Highest pressure (recorded on the fire pump control log)	62.5 psi
Lowest pressure (recorded on the fire pump control log)	62.5 psi
Circulation relief valve functions correctly	YES
Time for diesel engine to crank	12 sec
Time for diesel engine to reach running speed	12 sec
Oil pressure gauge, speed indicator, and water and oil temperatures are within acceptable range while engine is running	YES
Engine oil pressure	62.5 psi
Engine speed	1760 rpm
Engine cooling water temperature	68 °F
Engine oil temperature	68 °F
Heat exchanger has cooling water flow	YES
Speed governor operated (internal combustion engine only)	YES
ANNUAL INSPECTION	
Main relief valve inspected and operating correctly	YES

Diesel fuel tested and within specification	YES
Fuel pump alarm signals verified	YES
Active fuel maintenance system inspected and operating	YES
Fuel filter changed (every 50 operating hours or annually, whichever comes first)	YES
Tank vents and overflow piping are unobstructed	YES
Engine oil changed (50 operating hours maximum, or annually)	YES
Oil filters changed (50 operating hours maximum, or annually)	YES
Engine running hours at service (meter reading)	3 hr
Circulating water filter replaced	YES
Supervisory signal for high cooling water temperature verified	YES
Exhaust system checked and condensate trap drained	YES
Exhaust back pressure is not excessive	YES
Battery specific gravity, state of charge, and charger rates checked	YES
Battery terminals cleaned	YES
Battery cranking voltage exceeds 9 volts for a 12 volt system and 18 volts for a 24 volt system	YES
Battery cranking voltage	24.6 V
Only distilled water is used	YES
Printed circuit boards are free of corrosion	YES
Electronic control module (ECM) tested and functioning	YES
ANNUAL PERFORMANCE TEST	
Test method	Test header
Pump speed control	Constant speed
A copy of the manufacturer's certified pump test curve is attached	YES
Test results compared to the manufacturer's certified pump test curve	YES
Gauges and other test equipment are calibrated	YES
No vibrations that could potentially damage any fire pump component	YES
The fire pump performed at all conditions without objectionable overheating of any component	YES

Churn - suction pressure	20 psi
Churn - discharge pressure	138 psi
Churn - net pressure	62.5 psi
Churn - flow	0 gpm
Churn - speed	1760 rpm
Churn - engine oil pressure	62.5 psi
Churn - exhaust back pressure	3 in. Hg
Churn - engine water temperature	68 °F
Churn - cooling loop pressure	62.5 psi
100 percent rated flow - suction pressure	20 psi
100 percent rated flow - discharge pressure	115 psi
100 percent rated flow - net pressure	62.5 psi
100 percent rated flow - flow	750 gpm
100 percent rated flow - speed	1760 rpm
100 percent rated flow - engine oil pressure	62.5 psi
100 percent rated flow - exhaust back pressure	3 in. Hg
100 percent rated flow - engine water temperature	68 °F
100 percent rated flow - cooling loop pressure	62.5 psi
150 percent rated flow - suction pressure	20 psi
150 percent rated flow - discharge pressure	80 psi
150 percent rated flow - net pressure	62.5 psi
150 percent rated flow - flow	1125 gpm
150 percent rated flow - speed	1760 rpm
150 percent rated flow - engine oil pressure	62.5 psi
150 percent rated flow - exhaust back pressure	3 in. Hg
150 percent rated flow - engine water temperature	68 °F
150 percent rated flow - cooling loop pressure	62.5 psi
Engine-driven unit operated without any signs of overload or stress	YES

Engine overspeed emergency shutdown tested	YES
Governor is set to properly regulate the engine speed at rated pump speed	YES
Gear drive assembly operated without excessive objectionable noise, vibration, or heating	YES
Fire pump unit started and brought up to rated speed without interruption under a discharge equal to peak load	YES
Fire pump performance equals the manufacturer's factory curve within the accuracy limits of the test equipment	YES
Multiple pump arrangement required to meet the maximum fire protection demand	Single pump
Fire pump performance equalled the manufacturer's factory curve within the accuracy limits of the test equipment during the multiple pump test	YES
Alarm indicating (visual and audible) functions correctly	YES
Suction screens inspected and cleared of any debris	YES
ECM sensors (primary and redundant) function correctly	YES
Pump room temperature control is functioning and being maintained at appropriate temperatures	YES
Parallel and angular alignment of the pump verified	YES
Fire pump supplies 100 percent of the rated flow	YES
Net pressure at each flow point is at least 95 percent of the original manufacturer's pump curve, the original unadjusted field test curve, or the test curve generated from the fire pump nameplate	YES
COMMENTS	
Areas not inspected	No further comment.
Comments	No further comment.

Pump 1 — Performance curve



Below the allowable minimum (95% of the manufacturer's curve, NFPA 25 8.3.7.2.3) at 0 gpm (118.0 psi net, minimum 118.8 psi); 1,125 gpm (60.0 psi net, minimum 64.6 psi).

DEFICIENCIES

CRITICAL Pump 1 — Pump room

- Heat in pump room is 40°F (4°C) or higher
- Ventilation louvers are free to operate

NFPA 25

NFPA 25

Open — Pending Correction

SIGNATURES



Inspector: Mike Carter

Date: 9/13/2026

This inspection was performed in accordance with NFPA 25.