



Sub Inspection Report

Diesel Fire Pump

Barrington Sprinkler Systems
 953 Archer Rd.
 Springfield, IL 62701
 Phone: 217-555-1212
 Fax: 217-555-2121

Activity Date: 10/16/2008 12:00:00AM
 Activity Number: I-blee-08-0029.S0009
 Activity Cause: Periodic
 Inspector Name: Bob Lee
 Inspector Phone: (217) 555-3042
 Status: Pass

Party:

Harrisburg Professional Properties
 (51124B)
 928 N Hospital Blvd. Basement
 Springfield, IL 62701
 (217) 555-5431

Occupancy Type:
 Property Use:
 Total Violation: 0
 Hours: 0.50
 Total Fees: \$0.00

Business Owner

Dr. Lewiston M.D.

DFP Label Ratings

Gallons per minute rate:: 750 gpm
 PSI rating:: 125 psi

<u>Item Type</u>	<u>Description</u>	<u>Location</u>
Fire Pump	Deisel Fire Pump	Mechanical Room East

<u>Item Number</u>	<u>Bar Code</u>	<u>Cost</u>	<u>In Service Date</u>	<u>Status</u>
FP-EFP-001			10/22/2008	In Service

General

- Was a field acceptance test curve developed and compared to the previous year's test curve? (If the initial test is not consistent with the previous test, use the hose header or calibrate the flow meter again and REPEAT THE TEST)
 Yes
 Ref. Number: NFPA 25 (2008) 8.3.5.3 Engine Speed....
- Did the test results indicate that the pump is performing within its design criteria? (Increasing engine speed beyond the rated speed or theoretical corrections to rated speed shall not be applied where determining the compliance of the pump per the test.)
 Yes
 Ref. Number: NFPA 25 (2008) 8.3.5.3 Engine Speed....
- Did the suctions supply gauge maintain a pressure reading of zero (0) psi or greater?
 Yes
 Ref. Number: NFPA 25 (2008) 8.1.3 Water Supply to Pump Su...
- Were alarm conditions simulated by activating alarm circuits at alarm sensor locations?
 Yes
 Ref. Number: NFPA 25 (2008) 8.3.3.5 Annual Tests....
- Were all local and remote alarm indicating devices (visual and audible) observed as operating properly?
 Yes
 Ref. Number: NFPA 25 (2008) 8.3.3.5 Annual Tests....

- Does the fire pump appear to operate without visible abnormalities?
 Yes
 Ref. Number: NFPA 25 (2008) 13.5.7.1.1 Fire Pump Pressure...
- Record Hours on Engine Run Timer:
 45

Flow Point 1 (Churn)

- Record the engine water temperature:
 181 degrees
- Record the engine oil pressure:
 65 psi
- Record the fire pump speed:
 3613
- Suction pressure:
 44 psi
- Discharge pressure:
 182 psi

Flow Point 2 (100%)

- Record the fire pump flow:
 750 gpm
- Record the engine water temperature:
 190 degrees
- Record the engine oil pressure:
 71 psi
- Record the fire pump speed:
 3546 rpm

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Flow Point 2 (100%)

5. Record the suction pressure:

44 psi

6. Record the discharge pressure:

160 psi

Flow Point 3 (150%)

1. Record the fire pump flow:

1125 gpm

2. Record the engine water temperature:

206 degrees

3. Record the engine oil pressure:

65 psi

4. Record the fire pump speed:

3536 rpm

5. Record the fire pump suction pressure:

40 psi

6. Record the fire pump discharge pressure:

126 psi

Fire Pump Pressures

1. Start PSI

75 psi

2. Stop PSI

200 psi

3. Timer in minutes

5:00

Jockey Pump Pressures

1. Start PSI

160 psi

2. Stop PSI

175 psi

Violation

No New Violation

Pre-existing Violation

No Pre-existing Outstanding Violation

Comments:

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