Fire Pump Inspection Report

Location Code: GNSZSYS

Contact: CINDY CROYLE

Contact Address: 6467 MIKE WOOD BLVD
CONNEAUT LAKE, PA 16316-6661

Phone: 412-477-7816

Email: cynthia.a.croyle.ctr@army.mil, reginald.cook@cmimgmt.com

Property Evaluated: USAR PA118 CONNEAUT LAKE (Business)
6467 MIKE WOOD BLVD
CONNEAUT LAKE, PA 16316-6661

Description: Fire Pump (USAR CONNEAUT LAKE A 06-25 FP)

Work Order: SV2504090264/1

Company: GRUNAU FIRE PROTECTION

Address: 590 E WESTERN RESERVE RD, BLDG 5
BOARDMAN, OH 44514

Company Phone: 330-758-3500

Inspector: DAN JOHNSON
OH FIRE - 54.50.1442

Date of Work: 6/12/2025

Frequency: Annual

Tag: USAR PA118 CONNEAUT LAKE (PUMP TEST) 06-25

Deficiency Summary

Status: Open
2. Ventilating louvers in pump room appear operational?
Never opened upon starting of pump

Status: Open
Is the net pressure test result, adjusted for the speed of the pump, at or above 95% of the Rated pressure at the rated flow of the pump?
Under net pressure

General Comments

These items are outside the regular scope of the required inspection and are not the result of an engineering review. This information is not intended to be all-inclusive but rather a list of items discovered as a by-product of the required inspection.

There are no general comments for this submission

GRUNAU FIRE PROTECTION
590 E WESTERN RESERVE RD, BLDG 5
BOARDMAN, OH 44514
Phone: 330-758-3500

Fire Pump Inspection Report

Tag	USAR PA118 CONNEAUT LAKE (PUMP TEST) 06-25
Inspection Frequency:	Annual

Property Being Evaluated:
USAR PA118 CONNEAUT LAKE (Business)
Owner:
CINDY CROYLE
Owner's Phone Number:
412-477-7816
Property Address:
6467 MIKE WOOD BLVD, CONNEAUT LAKE, PA, 16316-6661

1. General

A. **(To be filled out by the Owner or Owner's Representative)**

Has the Owners section been answered on another inspection report that will be submitted with this inspection report?	☑ Yes ☐ No

B. **(To be answered by the inspector)**

1. Is System in service upon arrival?	☑ Yes ☐ No

C. Fire Pump Information

1. Fire pump shaft	☑ Horizontal ☐ Vertical
2. Fire pump Manufacturer	AC (XYLEM)
3. Fire pump Model/Type	393H / 6100
4. Fire pump serial number	21-090471-01-01 / L7926P
5. Impeller diameter	17.70
6. Fire pump rated GPM	1500
7. Fire pump rated RPM	1760
8. Fire pump rated PSI:	
a. Fire pump rated PSI at churn	141
b. Fire pump rated PSI at 100%	125
c. Fire pump rated PSI at 150%	105
9. Suction from	WELL / TANK
10. Tank size	UNKNOWN
11. Tank height	UNKNOWN
12. Is this a Vertical Turbine Type?	☐ Yes ☑ No

D. Driver Information

Driver maufacturer	CLARKE
Driver model or type	JU6H-UFADNG
Driver serial number	PE6068N016344
Driver rated HP	190
Driver rated RPM	1760
Driver engine type	☐ Electric ☑ Diesel
Driver rated voltage	N/A
Driver operating voltage	N/A
Driver Phase	N/A
Drive Cycles	N/A
Driver service factor	N/A

E. Controller Information

Controller manufacturer	TORNATECH
Controller model or type	DM
Controller serial number	WZ1147429
Controller Start PSI	155
Controller Stop PSI	175

F. Jockey Pump Information

1. Is there a Jockey Pump?	☑ Yes ☐ No
2. Jockey pump manufacturer	GOULDS (XYLEM)
3. Jockey pump model or type	E-SV
4. Jockey pump serial number	C2006291
5. Jockey pump on PSI	165
6. Jockey pump off PSI	175

2. - Inspector's Section
A. Inspections - All to be performed weekly

1. Pump house/room proper temperature?	☑ Yes	☐ No	☐ N/A
2. Ventilating louvers in pump room appear operational?	☐ Yes	☑ No	☐ N/A
3. Pump suction, discharge, and bypass valves are open?	☑ Yes	☐ No	☐ N/A
4. Piping free from leaks?	☑ Yes	☐ No	☐ N/A
5. Suction and system pressure gauges normal?	☑ Yes	☐ No	☐ N/A
6. Suction reservoir, if provided, is full?	☑ Yes	☐ No	☐ N/A
7. Wet pit suction screens are clean and in place?	☐ Yes	☐ No	☑ N/A
8. Waterflow test valves in closed position?	☑ Yes	☐ No	☐ N/A
9. Diesel Engine Driven Pumps:			
a. Diesel fuel tank is at least 2/3 full?	☑ Yes	☐ No	☐ N/A
b. Controller selector switch is in “auto” position?	☑ Yes	☐ No	☐ N/A
c. Voltage readings for batteries (2) are normal? Charging current readings are normal for batteries?	☑ Yes	☐ No	☐ N/A
d. Pilot lights for batteries are on or battery failure pilot lights are “off”?	☑ Yes	☐ No	☐ N/A
e. All alarm pilot lights are “off”?	☑ Yes	☐ No	☐ N/A
f. Record engine running time from meter:	92.6		
g. Oil level is normal in right-angle gear-drive pumps?	☐ Yes	☐ No	☑ N/A
h. Crankcase oil level is normal?	☑ Yes	☐ No	☐ N/A
i. Cooling water level is normal?	☑ Yes	☐ No	☐ N/A
j. Electrolyte level in batteries is normal?	☑ Yes	☐ No	☐ N/A
k. Battery terminals free of corrosion?	☑ Yes	☐ No	☐ N/A
l. Water-jacket heater is operational?	☑ Yes	☐ No	☐ N/A
10. Circulation relief valve flowing water?	☑ Yes	☐ No	☐ N/A
11. Pressure relief valves operating with proper pressure downstream while pump is operational?	☑ Yes	☐ No	☐ N/A

B. Testing - Report any failures in the Comments for this form
2. Annual Tests (in addition to above items)

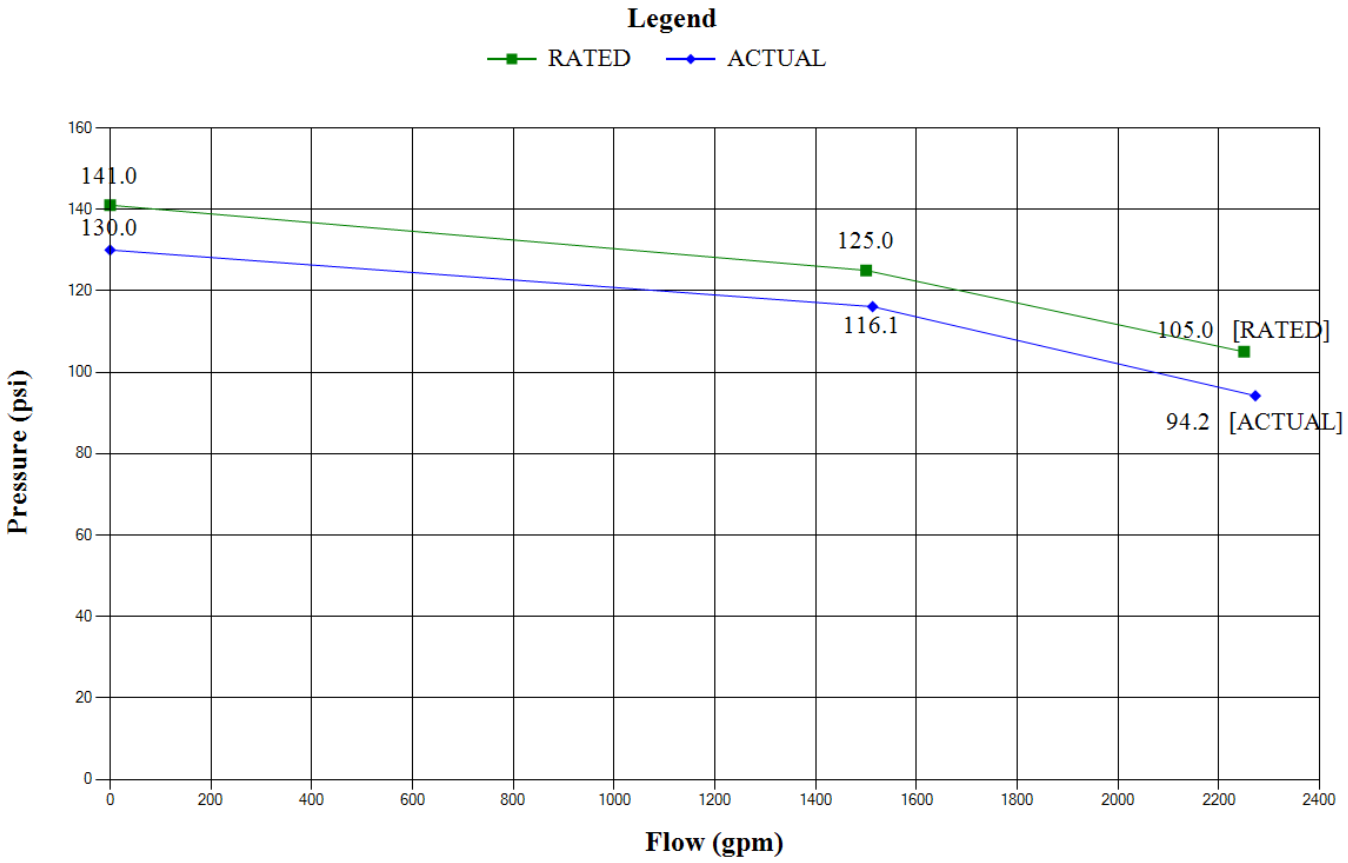
Annual pump test was run using the following method? ☑ Method A ☐ Method B ☐ Method C

Method A - discharge of water through flow streams. Flow readings taken at each hose stream.
Method B - discharge through bypass flow meter to drain or suction reservoir. Flow readings taken by flow meter.
Method C - discharge through bypass flow meter directly returned to pump suction. Flow readings taken by flow meter.
Note: at least once every three years, method A or B must be used.

Pump Test Results Table

	Churn	50%	100%	Peak Flow
Suction Pressure	10	0	9	6
Discharge Pressure	140	0	125	100
Measured Net Pressure	130.0		116.0	94.0
Net Pressure at Rated RPM	130.0		116.1	94.2
Observed Flow	Not Applicable	0	1512	2270
Flow at Rated RPM	Not Applicable		1512.9	2272.6
Electric Voltage and Current	x	0	x	x
Pump Speed	1760	0	1759	1758
Pump Performance at Rated Flow	Not Applicable	Not Applicable	92.9	Not Applicable

Include 50% flow on the chart? ☐ Yes ☑ No



Is the net pressure test result, adjusted for the speed of the pump, at or above 95% of the Rated pressure at the rated flow of the pump?	☐ Yes ☑ No
a. Do the remaining values in the results table appear to be acceptable?	☐ Yes ☐ No ☑ N/A
b. Diesel engine driven pump ran for 30 min?	☑ Yes ☐ No ☐ N/A
c. Circulation and pressure relief valves operated properly during all flow tests?	☑ Yes ☐ No ☐ N/A
d. No alarm indicators or other visible abnormalities observed during no-flow test?	☑ Yes ☐ No ☐ N/A
e. Suction screens cleaned after flow?	☐ Yes ☐ No ☑ N/A
f. Automatic transfer switch test:	
1. Power failure simulated during peak flow?	☐ Yes ☐ No ☑ N/A
2. Connection made to alternate source?	☐ Yes ☐ No ☑ N/A
3. After termination of simulated power failure did motor reconnect to normal source?	☐ Yes ☐ No ☑ N/A
g. All alarm conditions simulated?	☑ Yes ☐ No ☐ N/A
h. All alarms operated?	☑ Yes ☐ No ☐ N/A
i. Have the gauges, transducers, flow meters and other devices used for measurement calibrated within the past year?	☑ Yes ☐ No ☐ N/A
j. Electric Fire Pump was manually started? (Do not use the emergency start switch)	☐ Yes ☐ No ☑ N/A

3. Observations

These items are outside the regular scope of the required inspection and are not the result of an engineering review. This information is not intended to be all-inclusive but rather a list of items discovered as a by-product of the required inspection.

Please see the summary section at the top of the form for the comments.

4. Inspector Information:

Test Verification:	
Inspected By	DAN JOHNSON
Inspector Signature	
Inspector License:	OH FIRE - 54.50.1442
Date of Work	6/12/2025