Annual Fire Pump Flow Test National Fire Protection, LLC

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A Rommel Company

Customer	Inspection Location					
RWD Consulting	Cardoza High School 7 8 5 9 2 3					
1300 Clifton Ave NW	1300 Clifton Ave NW					
Washington, DC	Washington, DC					
Phone: Fax:	Phone: Fax:					
Inspection Date: 12/14/2023						

Flow Test Results						
Basement Fire Pump Room	The results of the fire pump test indicate pump is within 5% of the rated PSI/GPM readings from the original pump curve or fire pump nameplate.					

Inspection performed in accordance with

NFPA 25 Standard for Inspection, Test, and Maintenance of Water-Based Fire Protection Systems 2014 ed.

Fire Pump System						
Fire Pump House/Room						
Basement Fire Pump Room						
Ventilating louvers free to operate, no excessive water collecting on floor. (8.2.2)	Pass					
Coupling guard in place. (8.2.2)	Pass					

Supervisory Devices					
Fire Pump Phase Reversal					
Basement Fire Pump Room					
Visual inspection verifying unit was free of physical damage. (13.2.8.1)					
Pump Phase Reversal annunciated properly when tested. (13.2.8.2)					
Fire Pump Power					
Basement Fire Pump Room					
Visual inspection verifying unit was free of physical damage. (13.2.8.1)					
Fire Pump Power supervision annunciated properly when tested. (13.2.8.2)					
Fire Pump Running					
Basement Fire Pump Room					
Visual inspection verifying unit was free of physical damage. (13.2.8.1)	Pass				
Fire Pump Running supervision annunciated properly when tested. (13.2.8.2)	Pass				
Fire Pump Supervision					
Basement Fire Pump Room					
Visual inspection verifying unit was free of physical damage. (13.2.8.1)					
Fire Pump supervision annunciated properly when tested. (13.2.8.2)					

ectric Pump Inspection	
Pump suction, discharge and by-pass control valves fully open, and piping free of leaks. (8.2.2(2))	Pass
Suction line pressure gauge reading is within acceptable range. (8.2.2(2c))	Pass
System line pressure gauge reading is within acceptable range. (8.2.2(2d))	Pass
Suction reservoir has required water level & wet pit suction screen in place and unobstructed. (8.2.2(2))	N/A
Vaterflow valve in closed position, hose connection valve closed, test valve line free of water. (8.2.2(2))	Pass
Controller pilot light (power on) illuminated (8.2.2(3))	Pass
Oil level in vertical motor sight glass, if available, within acceptable range. (8.2.2(3))	N/A
Power to Jockey pump is provided, if applicable. (8.2.2(3))	Pass
Record pump starting pressure. (8.3.2.9(1a)	130
Record the system suction pressure gauge readings with pump running. (8.3.2.9(1b))	Pass
ime (sec) controller is on first step. (8.3.2.9(2))	2
ime (sec.) for driver to accelerate to full speed. (8.3.2.9(2))	3
Record time pump runs after starting (for auto stop controller). (8.3.2.9(2))	10
Record the discharge pressure gauge readings with pump running. (8.3.2.9(1b))	155
Vith pump running, check for slight discharge from packing glands; Pump free from any unusual noise or vibration. (8.3.2.9 1))	Pass
Packing boxes, bearing, or pump casing maintain an acceptable temperature during the test. (8.3.2.9(1))	Pass
Pump run minimum 10 minutes. (8.3.2.3)	Pass
ire pump alarm conditions and supervisory sensors operate when tested through simulation. (8.3.3.10)	Pass
Parallel and angular alignment of pump and driver without any misalignments. (8.3.6.4)	Pass
Suction screens inspected and cleaned after water flow. (8.3.3.12)	N/A
Pressure gauge and sensors, when compared to a calibrated gauge, is less than 5% calibration or have been recalibrated or eplaced. (8.1.1.2.21)	Yes

Namepla	te Inform	ation											
Rated GPM 1000				Rated F	SI 80			Rated RPM	Rated RPM 1770				
Max PSI 90.9				150% P	SI 67.9			150% GPM	150% GPM 1500				
						Churn							
	Suction			Discha	rge		Net PSI			Speed			
65			55			-10			1798				
			L1:			L2:			L3:				
Volts				468			468			471			
Amps				41			41			42			
					Te	st Point	1						
	w Test Point %: Measured Flow: 10		d Flow: 1028	1028 Adj. Flow 1014			Measured Press: 80 Adj. Pre			ess.: 78 Press. Test Point %: 98%			
Outlet Size	1.75	1.75	1.75	1.75									
Coefficient		1.15	1.15	1.15									
Pitot	6	6	6	6									
Flow	257	257	257	257									
Suction			Discharge			Net PSI			Speed				
50			130			80			1794				
				L1:			L2:			L3:			
Volts	olts			467			467		470				
Amps				45			46		47		47		
					Te	st Point	2			_			
Flow Test Point %: Measured F		d Flow: 1516	Flow: 1516 Adj. Flow 1502		Me	Measured Press: 70 Adj. Pre			ess.: 69 Press. Test Point %: 102%				
Outlet Size	1.75	1.75	1.75	1.75									
Coefficient	1.15	1.15	1.15	1.15									
Pitot	13	13	13	13									
Flow	379	379	379	379									
Suction			Discharge			Net PSI			Speed				
15			85			70		1787					
				L1:			L2:			L3:			
Volts				465			465			466			
Amps			53			54			54				



