Electric Ca Fire Pump	lifornia Code of Regulation Inspection, Testing, and Maint	s - Title 19 enance	Annual Report	1 of 7
Property Information	TE OF CALLEON	Contractor o	r Licensed Owner Info	ormation
Building Name		Name		
Address	THE STATE	Address		
	FIRE MARIE	City	St.	Zip
City	License #	Phone		
Contact Person	SFM	Job #		
Phone	CSLB	Misc.		

Pump and Driver Information					
Max Suction Pressure	psi	Driver Mfr.			
Max psi (shutoff)	psi	Driver Model			
Rated Capacity	gpm	Driver Rated RPM			
Rated Pressure	psi	Full Load Amp (FLA)	Amp		
150% Rated Capacity	gpm	Rated Voltage	Volts		
Rated Pressure @ Rated Capacity	psi	Service Factor (SF)			
	Max Suction Pressure Max psi (shutoff) Rated Capacity Rated Pressure 150% Rated Capacity	Max Suction PressurepsiMax psi (shutoff)psiRated CapacitygpmRated Pressurepsi150% Rated Capacitygpm	Max Suction PressurepsiDriver Mfr.Max psi (shutoff)psiDriver ModelRated CapacitygpmDriver Rated RPMRated PressurepsiFull Load Amp (FLA)150% Rated CapacitygpmRated Voltage		

Where the pump and driver manufacturer's recommendations are not available, use the items in this form, which reference NFPA 25, Table 8.5.3. If the manufacturer's recommendations are available, then those recommendations are to be used.

	Annual Flow Test										
		Flow (gpm)	Suction (psi)		Discharge (psi)		Net	Net Pressure (psi)		peed pm)	
Churn (0%)		Phase	Volts			Amps			VxA	Rated V	x FLA x SF
8.3.5.1		A-B									
		B-C									
		C-A									
	8.3.5.5	V x A accepta	able? 🗌 Yes		0		8.3.5.6	5 Voltage a	cceptable?	Yes	No
	Nozzle #	Size	Pitot Pressure	Flo (gp		Phas	e	Volts	Amps	V x A	Rated V x FLA x SF
	1										
100%	2										
Rated Flow	3										
	4					8.3.5.5	V x A a	cceptable?	Yes	No No	
	5					8.3.5.6	Voltage	acceptable	? Yes	No No	
	6										
	Nozzle #	Size	Pitot Pressure	Flo (gp		Phas	e	Volts	Amps	V x A	Rated V x FLA x SF
	1										
	2										
150%	3										
Rated Flow	4					8.3.5.5	V x A a	cceptable?		Yes 🗌 No	
	5					8.3.5.6	Voltage	acceptable	? Yes	No No	
	6					Suction	pressure	e at 150% of	rated flow at le	east 0 psi?	Yes 🗌 No
			d per NFPA 20, us at least 3 psi? (8		on tanks			permitted th	e suction pres	sure to be not	less than 3

Electric Fire Pump	California Code of Regulations Inspection, Testing, and Mainte	a - Title 19 enance	Annual Report	2 of 7
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Building Name		Name		
Address		Job #		
City	FIRE MARCE			

Fire Pump Test Curves	
Manufacturer's shop test curve	1. 8.3.5.3(1)
Original adjusted fire pump curve using net pump pressures	2. 8.3.5.3(1)
Current adjusted fire pump curve using net pump pressures	3. 8.3.5.3(1)
Original unadjusted fire pump curve using net pump pressures	4. 8.3.5.3(1)
Current unadjusted fire pump curve using net pump pressures	5. 8.3.5.3(1)
Current unadjusted fire pump curve using total pump pressure + supply pressure	6. 8.3.5.7
*Note: The fire nume nameplate data is permitted to be used if the manufacturer's shop test curve is unavailable	(8 3 5 3(2))

*Note: The fire pump nameplate data is permitted to be used if the manufacturer's shop test curve is unavailable. (8.3.5.3(2))

	Test Results and Evaluation (8.3.5.7)						
Fire Protect	ction System Demand Informati	on		Fire	Pump		
Type of System	Required Pressure at the Pump Discharge Flange (psi)	Is the fire pump capable of supply the system demand using the unadjusted pump curve?			and using the		
			🗌 Yes 📃 No				
			🗌 Yes 📃 No				
			Yes No				
			🗌 Yes 📃 No				
			🗌 Yes 📃 No				
Are fire pump test results satisfactory?			Yes 🗌 No	8.1.6 8.3.5 8.3.5.2.1	8.3.5.3 8.3.5.4 8.3.5.5	8.3.5.6 8.3.5.7	

	Annual Fire Pump Inspection, Testing and Maintenance Include ALL Monthly and Annual Inspection, Testing, and Maintenance Items					
		I = Inspection T = Test M = Maintenance		P = F	Pass F = Fail N/A = Not Applicable	9
ltem		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A
		Fire pump Start/Stop Pressures				
1.01	I	Fire Pump Start Pressure	8.3.2.8(1)(f)		psi	
1.02	I	Fire Pump Stop Pressure	8.3.2.8(1)(f)		psi	
1.03	I	Pressure Maintenance Pump Start Pressure	8.3.2.8(1)(g)		psi	
1.04	I	Pressure Maintenance Pump Stop Pressure	8.3.2.8(1)(g)		psi	
		Pump House				
1.05	I	Pump House Heating and Ventilating Louvers. Illumination	8.2.2(1)(a) 8.2.2(1)(b) 8.3.4.3			
		Fire Pump System				
1.06	Ι	Control Valves - Identification Sign	13.3.1			
1.07	I	Control Valves - Inspection	13.3.2			
1.08	Ι	Pump Suction, Discharge & Bypass Valves Open	8.2.2(2)(a)			
1.09	I	Normally Closed Valves are Closed (Test Header/Venturi Meter)	8.2.2(2)(g) 13.3.2.2			

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Property Information	THE OF CALLEON	Contract	or or Licensed Owner Inforn	nation
Building Name		Name		
Address		Job #		
City	FIRE MARIE			

. . .

	Annual Fire Pump Inspection, Testing and Maintenance Include ALL Monthly and Annual Inspection, Testing, and Maintenance Items					
		Include ALL Monthly and Annual Inspection T = Test M = Maintenance	ection, Testing, a		nance Items Pass F = Fail N/A = Not Applicable	e
Item		· · · · · · · · · · · · · · · · · · ·	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A
1.10	1	Piping is Free of Leaks	8.2.2(2)(b)			
1.11	I	Suction Line Pressure Gauge Reading within Acceptable Range (same as water level in tank or static pressure in water main)	8.2.2(2)(c)			
		Suction Pressure Reading	8.2.2(2))c)		psi	
1.12	ı	Discharge Line Pressure Gauge Reading within Acceptable Range (same as suction gauge reading)	8.2.2(2)(d)			
		Discharge Pressure Reading	8.2.2(2)(d)		psi	
1.13	I	Suction Reservoir Full	8.2.2(2)(e)			
1.14	I	Wet Pit Suction Screens are Unobstructed and in Place	8.2.2(2)(f)			
1.15	I	Check Pump Packing Glands for Slight Discharge (pump not running)	8.2.2(2)(h)			
1.16	1	Check Pump Packing Glands for Slight Discharge (pump running)	8.3.2.8(1)(b)			
1.17	I	Suction Line Pressure Gauge Reading (pump running)	8.3.2.8(1)(a)		psi	
1.18	I	Discharge Pressure Gauge Reading (pump running)	8.3.2.8(1)(a)		psi	
1.19	1	Check for Unusual Noise or Vibration	8.3.2.8(1)(d)			
1.20	I	Check Packing Boxes, Bearings, or Pump Casing for Overheating	8.3.2.8(1)(e)			
1.21	I	Circulation Relief Valve Operating Properly	13.5.7.1.2			
1.22	I	Observe Time for Motor to Accelerate to Full Speed	8.3.2.8(2)(a)			
1.23	1	Record Time the Controller is on 1st Step (for reduced voltage or reduced current starting)	8.3.2.8(2)(b)			sec
1.24	т	Record Time Pump Runs after Starting (for automatic stop controllers)	8.3.2.8(2)(c)			min
1.25	т	Control Valve Test	13.3.3			
1.26	М	Control Valve Maintenance	13.3.4			
1.27	м	Adjust Gland Nuts, if Necessary	8.3.2.8(1)(c)			
	-	Electrical System Conditions				
1.28	I	Controller "Power On" Pilot Light is Illuminated	8.2.2(3)(a)			
1.29	I	Transfer Switch Normal Pilot Light is Illuminated	8.2.2(3)(b)			
1.30	Ι	Isolating Switch is Closed - standby (emergency) source	8.2.2(3)(c)			
1.31	I	Reverse Phase Alarm Pilot Light is Off, or, Normal phase Rotation Pilot Light is On	8.2.2(3)(d)			

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Building Name		Name	
Address		Job #	
City	FIRE MARIE		

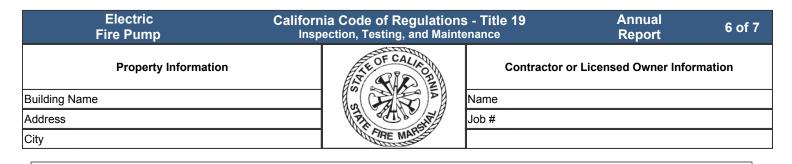
	Annual Fire Pump					
	Inspection, Testing and Maintenance Include ALL Monthly and Annual Inspection, Testing, and Maintenance Items					
		I = Inspection T = Test M = Maintenance	NFPA 25 CA ed.	P = I	Pass F = Fail N/A = Not Applic	able
Item		Description	Reference	Date	Comments Only	P,F,N/A
1.32	Т	Oil Level in Vertical Motor Sight Glass is within Acceptable Range	8.2.2(3)(e)			
1.33	I	Power to Pressure Maintenance (Jockey) Pump is Provided	8.2.2(3)(f)			
		Tests		-		
2.01	Т	Engine Generator Sets (Monthly)	NFPA 110			
2.02	т	Exercise Isolating Switch and Circuit Breaker	Table 8.1.2			
2.03	т	Annual Test - Indicate Method of Discharge If the current test does NOT use the method described in 8.3.3.1.2.1 - then indicate the DATE the last time this method was used:	8.3.3.1.2.1 8.3.3.1.2.2 8.3.3.1.2.3 8.3.3.1.3		8.3.3.1.2.1 8.3.3.1.2.2 8.3.3.1.2.3	
2.04	Т	Automatic Transfer Switch Test	8.3.3.4			
2.05	Т	Alarm Tests	8.3.3.5			
2.06	Т	Electronic Fuel Management Control System Test	8.3.3.8			
2.07	Т	Trip Circuit Breaker	Table 8.1.2			
2.08	Т	Operate Manual Starting Means	Table 8.1.2			
2.09	М	Inspect and Operate Emergency Manual Starting Means (without power)	Table 8.1.2			
2.10	Т	Parallel and Angular Alignment Test	8.3.3.4			
		Maintenance			Í	
3.01	М	Lubricate Pump Bearings	Table 8.1.2			
3.02	М	Check Pump Shaft End Play	Table 8.1.2			
3.03	М	Check Accuracy of Pressure Gauges	Table 8.1.2			
3.04	М	Check Pit Suction Screens	Table 8.1.2			
3.05	М	Lubricate Coupling	Table 8.1.2			
3.06	М	Lubricate Right-angle Gear Drive	Table 8.1.2			
3.07	М	Tighten Electrical Connections	Table 8.1.2			
3.08	М	Lubricate Mechanical Moving Parts (excluding starters and relays)	Table 8.1.2			
3.09	М	Calibrate Pressure Switch Settings	Table 8.1.2			
3.10	М	Grease Motor Bearings	Table 8.1.2			
3.11	М	Check Voltmeter and Ammeter for Accuracy	Table 8.1.2			
3.12	М	Corrosion on Printed Circuit Boards	Table 8.1.2			
3.13	М	Any Cracked Cable/Wire Insulation	Table 8.1.2			

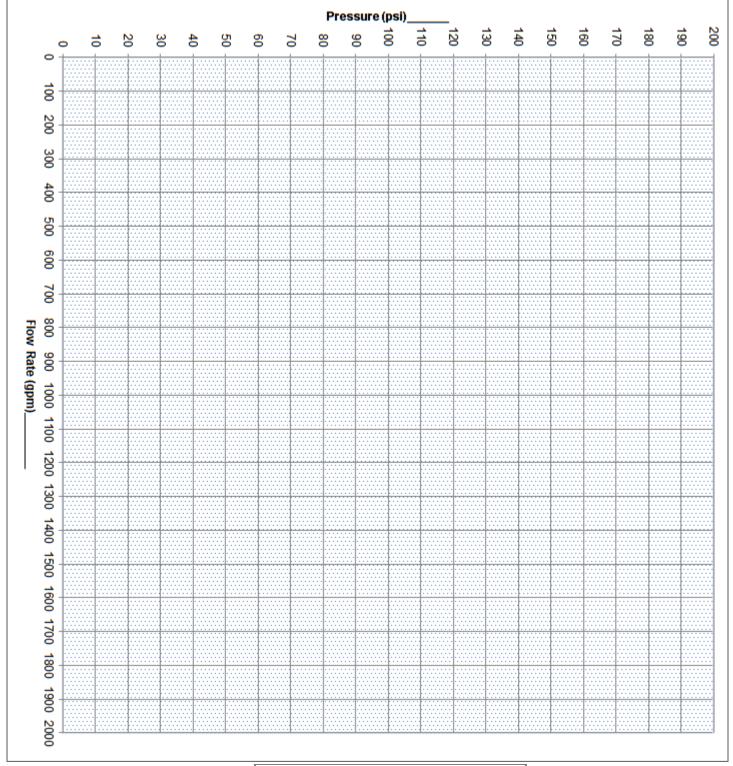
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Property Information	THE OF CALLEOR	Contractor or Licensed Owner Information
Building Name		Name
Address		Job #
City	FIRE MARIE	

Annual Fire Pump Inspection, Testing and Maintenance include ALL Monthly and Annual Inspection, Testing, and Maintenance Items											
		I = Inspection T = Test M = Maintenance	P = Pass F = Fail N/A = Not Applicable								
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A					
3.14	М	Any Leaks in Plumbing Parts	Table 8.1.2								
3.15	М	Any Signs of Water on Electrical Parts	Table 8.1.2								
3.16	М	Suction Screens	8.3.3.7								
3.17	М	Is Obstruction Investigation Required? If "Yes", see Deficiencies and Comments Section for Results.	14.3		☐ Yes ☐ No						
3.18	М	System Returned to Service	4.5.3 15.7		☐ Yes ☐ No						

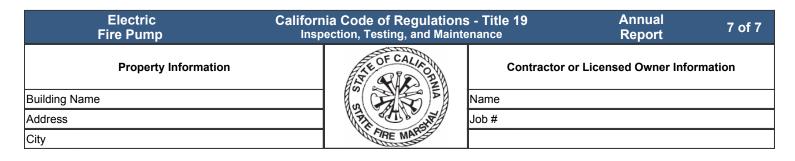
D = Deficiency C = Comment (Indicate type)

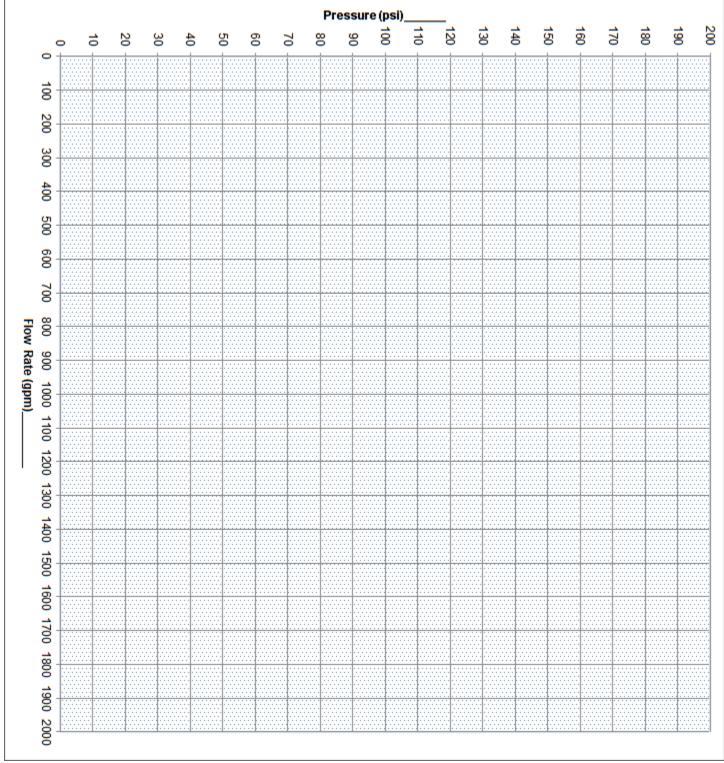
Item	Date	Riser	D	С	Deficiencies and Comments Indicate all equipment, devices and parts that were repaired or replaced			
Check here if additional Deficiencies and Comments are listed on Form AES9 See Correction Form AES 10 for corrected deficiencies. Number attached:								
I hereby certify that the fire protection equipment listed above has been fully inspected, tested, and maintained on this date by the company indicated above, in accordance with CCR, Title 19, Sections 901 to 906 and that the equipment is fully operable except as noted in the "Deficiencies and Comments" section of this form.								
Print Na								
Signatu		Date						





- Curve Identification: 1. Manufacturer's shop test curve
- Original adjusted fire pump curve
 Current adjusted fire pump curve





Curve Identification:

6. Original unadjusted fire pump curve
5. Current unadjusted fire pump curve
6. Current unadjusted fire pump curve using total pump pressure + supply pressure