Dies Fire Pu	o.	nia Code of Regulat pection, Testing, and M		Annua Repor	~ 1 of 9
Prop	erty Information	OF CALLED	Contra	ctor or Licensed Owr	ner Information
Building Name			Name		
Address			Address		
		FIRE MAR	City	St.	Zip
City		License #	Phone		
Contact Person		☐ SFM	Job #		
Phone		☐ CSLB	Misc.		
Pump #		Pump and Driver	Information		
Pump Manufacturer	Max Sucti	ion Pressure	ps	i Driver Mfr.	
Pump Model	Max psi (s	shutoff)	ps	i Driver Model	
Pump Serial #	Rated Ca	pacity	gpr	n Driver Rated RPM	
Rated RPM	Rated Pre	essure	ps	i Fuel Tank Capacity	gal.
Controller Mfr	150% Rat	ted Capacity	gp	n	
Controller Model	Rated Pre	Rated Pressure @ Rated Capacity		i	
Controller S/N					
Where the pump a	and driver manufacturer's recommendatio manufacturer's recommenda				able 8.5.3. If the
		Annual Flow Te	st		

	Annual Flow Test									
Churn (0%) 8.3.5.1		Flow (gpm)			ischarge (psi)				Speed (rpm)	
6.3.3.1										
100% Rated Flow	Nozzle #	Size	Pitot Pressure		low pm)	Suction (psi)	Discharge (psi)		Net ure (psi)	Speed (rpm)
	1									
	2									
	3									
	4									
	5]				
·	6									
150% Rated Flow	Nozzle #	Size	Pitot Pressure		low pm)	Suction (psi)	Discharge (psi)		Net ure (psi)	Speed (rpm)
	1									
	2					Suction pressure at 150% of rated flow at least 0 psi?				?
	3					(8.1.6.1)	Yes	No		
	4					For pump system	ns installed per NF	PA 20,	using suct	tion tanks where
	5					NFPA 20 permitt	ed the suction pre	ssure to	be not les	ss than 3 psi, is
	6					the suction press	sure at least 3 psi?	(6.1.6.	∠) ∐ Y	∕es ∐ No

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

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Diesel Fire Pump	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	Annual 2 of 9
Property Information	Contract Contract	or or Licensed Owner Information
Building Name	Name	
Address	Job#	

Test Results and Evaluation (8.3.5.7)						
Fire Protection System Demand Information				Fire I	Pump	
Type of System	Required Pressure at the Pump Discharge Flange (psi)	Required Flow (gpm)	Is the fire pump capable of supplying the system demand using the unadjusted pump curve?			mand using
			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	

City

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 = FailN/A = Not Applicable NFPA 25 CA ed. P,F,N/A Item Description Date **Comments Only** Reference Fire pump Start/Stop Pressures 1.01 Fire Pump Start Pressure 8.3.2.8(1)(f) psi 1.02 Fire Pump Stop Pressure 8.3.2.8(1)(f) psi 1.03 Pressure Maintenance Pump Start Pressure 8.3.2.8(1)(g) psi 1.04 Pressure Maintenance Pump Stop Pressure 8.3.2.8(1)(g) psi **Pump House** 8.2.2(1)(a) Pump House Heating and Ventilating Louvers. 8.2.2(1)(b) 8.3.4.3 1.05 Illumination Fire Pump System 1.06 Control Valves - Identification Sign 13.3.1 1.07 Ι Control Valves - Inspection 13.3.2 1.08 Pump suction, Discharge & Bypass Valves Open 8.2.2(2)(a) Normally Closed Valves Are Closed 8.2.2(2)(g) 1.09 (Test Header/Venturi Meter) 13.3.2.2 1.10 Piping is Free of Leaks 8.2.2(2)(b) Suction Line Pressure Gauge Reading within Acceptable Range 1.11 8.2.2(2)(c) (Same as Water Level in Tank or Static Pressure in Water Main) Suction Pressure Reading 8.2.2(2))c) psi Discharge Line Pressure Gauge Reading 1.12 within Acceptable Range 8.2.2(2)(d) (Same as Suction Gauge Reading) Discharge Pressure Reading 8.2.2(2)(d) psi 1.13 Suction Reservoir Full 8.2.2(2)(e)

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Contractor or Licensed Owner Information

Name			
Job#			

Annual Fire Pump Inspection, Testing, and Maintenance Include ALL Monthly and Annual Inspection, Testing, and Maintenance Items I = Inspection M = Maintenance T = Test P = Pass F = Fail N/A = Not ApplicableNFPA 25 CA ed. Item Description **Date Comments Only** P,F,N/A Reference 1.14 Wet Pit Suction Screens are Unobstructed and in Place 8.2.2(2)(f) Check Pump Packing Glands for Slight Discharge 1.15 8.2.2(2)(h) (Pump Not Running) Check Pump Packing Glands for Slight Discharge 1.16 8.3.2.8(1)(b) (Pump Running) Suction Line Pressure Gauge Reading 1.17 8.3.2.8(1)(a) psi (Pump Running) Discharge Pressure Gauge Reading 1.18 8.3.2.8(1)(a) psi (Pump Running) 1.19 Check for Unusual Noise or Vibration 8.3.2.8(1)(d) Check Packing Boxes, Bearings, or Pump Casing 1.20 8.3.2.8(1)(e) for Overheating 1.21 Circulation Relief Valve Operating Properly 13.5.7.1.2 1.22 Observe Time for Motor to Accelerate to Full Speed 8.3.2.8(2)(a) Record Time the Controller is On 1st Step 1.23 8.3.2.8(2)(b) (For Reduced Voltage or Reduced Current Starting) **Electrical System Conditions** Controller "Power On" Pilot Light is Illuminated 1.24 8.2.2(3)(a) 1.25 Transfer Switch Normal Pilot Light is Illuminated 8.2.2(3)(b) Isolating Switch is Closed -1.26 8.2.2(3)(c) Standby (Emergency) Source Reverse Phase Alarm Pilot Light is Off, or, Normal 1.27 8.2.2(3)(d) Phase Rotation Pilot Light is On Oil Level in Vertical Motor Sight Glass is 1.28 8.2.2(3)(e) within Acceptable Range Power to Pressure Maintenance (Jockey) Pump 1.29 8.2.2(3)(f) is Provided **Diesel Engine System Conditions** 1.30 Fuel: Tank Level (Two-Thirds Full) 8.2.2(4)(a) 1.31 Fuel: Tank Float Switch Table 8.1.2 1.32 1 Fuel: Solenoid Valve Operation Table 8.1.2 Table 8.1.2 1.33 Fuel: Flexible Hoses and Connectors Table 8.1.2 1.34 Fuel: Tank Vents & Overflow Piping is Unobstructed 1.35 L Table 8.1.2 Fuel: Piping 1.36 Lubrication System: Oil level Table 8.1.2 1.37 Lubrication System: Crankcase Breather Table 8.1.2 1.38 Cooling System: Level Table 8.1.2 Cooling System: Adequate Cooling Water to Heat 1.39 1 Table 8.1.2 Exchanger 1.40 Cooling System: Water Pump Table 8.1.2 Cooling System: Condition of Flexible Hoses and 1.41 Table 8.1.2 Connections

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Name			
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Annual Fire Pump Inspection, Testing, and Maintenance Include ALL Monthly and Annual Inspection, Testing, and Maintenance Items

		Include ALL Monthly and Annual In I = Inspection T = Test M = Maintenance			s F = Fail N/A = Not Applical	ble
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A
1.42	ı	Cooling System: Jacket Water Heater	Table 8.1.2			
1.43	I	Cooling System: Antifreeze Protection Level	Table 8.1.2			
1.44	I	Cooling System: Inspect Ductwork	Table 8.1.2			
1.45	I	Battery System: Electrolyte Level	Table 8.1.2			
1.46	I	Battery System: Charger and Charge Rate	Table 8.1.2			
1.47	ı	Battery System: Equalize Charge	Table 8.1.2			
1.48	ı	Battery System: Terminals Clean and Tight	Table 8.1.2			
1.49	ı	Exhaust System: Leakage	Table 8.1.2			
1.50	ı	Exhaust System: Flexible Exhaust	Table 8.1.2			
1.51	I	Exhaust System: Hangers and Supports	Table 8.1.2			
1.52	I	Electrical System: General Inspection	Table 8.1.2			
1.53	ı	Electrical System: Circuit Breakers or Fuses	Table 8.1.2			
1.54	ı	Electrical System: Wire Chafing Where Subject to Moving	Table 8.1.2			
		Fire Pump Tests				
2.01	Т	Pump Operation - No Flow Condition	8.3.2			
2.02	Т	Engine Generator Sets	NFPA 110			
2.03	Т	Control Valve - Position	13.3			
2.04	Т	Control Valve - Operation	13.3.3.1			
2.05	Т	Supervisory Devices	13.3.3.5.1			
2.06	Т	Pump Operation - Flow Condition	8.3.3.1			
2.07	Т	Pressure Reducing Valve	13.5.1.2			
2.08	Т	Time Pump Runs After Starting For Automatic Stop Controllers)	8.3.2.8(2)(c)		min/se	С
2.09	Т	Control Valve Test	13.3.3			
		Pump System				
2.10	Т	Pump System: Check Pump Shaft End Play	Table 8.6.1			
2.11	Т	Pump System: Check Accuracy of Pressure Gauges/Sensors	Table 8.6.1			
2.12	Т	Pump System: Check Pump Coupling Alignment	Table 8.6.1			
2.13	Т	Pressure Relief Valve	13.5.7.2			
2.14	Т	Circulation Relief Valve	13.5.7.1.2			
2.15	Т	Exercise Isolating Switch and Circuit Breaker	Table 8.1.2			

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3.13

3.14

3.15

3.16

Μ

M

M

Any Cracked Cable/Wire Insulation

Any Signs of Water on Electrical Parts

Any Leaks in Plumbing Parts

Suction Screens

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Property	intorm	atior

Building Name		
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Contractor or Licensed Owner Information

Name		
Job#		

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 ApplicableNFPA 25 CA ed. Item Description **Date Comments Only** P,F,N/A Reference Annual Test - Indicate Method of Discharge 8.3.3.1.2.1 8.3.3.1.2.1 8.3.3.1.2.2 2.16 If the current test does NOT use the method described 8.3.3.1.2.2 8.3.3.1.2.3 in 8.3.3.1.2.1 - then indicate the DATE the last time 8.3.3.1.2.3 8.3.3.1.3 this method was used: 2.17 Automatic Transfer Switch Test Τ 8.3.3.4 2.18 Т Alarm Tests 8.3.3.5 2.19 Т Electronic Fuel Management Control System Test 8.3.3.8 2.20 Т Trip Circuit Breaker Table 8.1.2 2.21 Т Operate Manual Starting Means Table 8.1.2 2.22 Т Parallel and Angular Alignment Test 8344 **Diesel Engine System** 2.23 Т Battery System: Specific Gravity or State of Charge Table 8.1.2 2.24 Т Electrical System: Operation of Safeties and Alarms Table 8.1.2 2.25 Τ Exhaust System: Excessive Back Pressure Table 8.1.2 Maintenance 3.01 Lubricate Pump Bearings Table 8.1.2 3.02 Check Pump Shaft End Play Table 8.1.2 Μ Table 8.1.2 3.03 Check Accuracy of Pressure Gauges Check Pit Suction Screens 3.04 Table 8.1.2 M 3.05 Lubricate Coupling Table 8.1.2 M 3.06 М Lubricate Right-angle Gear Drive Table 8.1.2 3.07 **Tighten Electrical Connections** Table 8.1.2 _ubricate Mechanical Moving Parts 3.08 Μ Table 8.1.2 (Excluding Starters and Relays) Table 8.1.2 3.09 Calibrate Pressure Switch Settings M Table 8.1.2 3.10 М Grease Motor Bearings 3.11 Μ Check Voltmeter and Ammeter for Accuracy Table 8.1.2 Printed Circuit Boards without Corrosion Table 8.1.2 3.12

Table 8.1.2

Table 8.1.2

Table 8.1.2

8.3.3.7

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Building Name	
Address	
City	



Contractor	or	Licensed	Owner	Information
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Name		
Job #		

Annual Fire Pump Inspection, Testing, and Maintenance Include ALL Monthly and Annual Inspection, Testing, and Maintenance Items

	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
3.17	М	Control Valve Maintenance	13.3.4			
		Diesel Engine System				
3.18	М	Fuel: Water in System	Table 8.1.2			
3.19	М	Fuel: Strainer, Filter, Dirt Leg, or Combination Thereof	Table 8.1.2			
3.20	М	Cooling System: Antifreeze	Table 8.1.2			
		Lubrication System				
3.21	М	Lubricate Oil Heater	Table 8.1.2			
3.22	М	Crankcase Breather	Table 8.1.2			
3.23	М	Oil Change	Table 8.1.2			
3.24	М	Oil Filter	Table 8.1.2			
		Cooling System				
3.25	М	Water Strainer	Table 8.1.2			
3.26	М	Antifreeze Protection Level	Table 8.1.2			
3.27	М	Rod Out Heat Exchanger	Table 8.1.2			
3.28	М	Clean Louvers	Table 8.1.2			
		Exhaust System				
3.29	М	Drain Condensation Trap	Table 8.1.2			
		Battery System				
3.30	М	Remove Corrosion, Exterior Clean and Dry	Table 8.1.2			
		Electrical System				
3.31.	М	Boxes, Panels and Cabinets	Table 8.1.2			
3.32	М	Tighten Control and Power Wiring Connections	Table 8.1.2			
3.33	М	Circuit Breakers and Fuses	Table 8.1.2			
3.34	М	Inspect and Operate Emergency Manual Starting Means (Without Power)	Table 8.1.2			
3.35	М	Adjust Gland Nuts if Necessary				
3.36	М	Obstruction Investigation Required (If "Yes", see Deficiencies and Comments Section for Results.)	14.3		☐ Yes ☐ No	
3.37	М	System Returned to Service	4.5.3 15.7		☐ Yes ☐ No	

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Diesel Fire Pump	California Code of Regulations - Title Inspection, Testing, and Maintenance	19 Annual 7 of 9 Report
Property Information	E OF CALLED	Contractor or Licensed Owner Information
Building Name	Name	
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Address						THE STATE OF THE PARTY OF THE P	XX	Job#
City					FIRE MAR	4		
D = Dofi	D = Deficiency C = Comment (Indicate type)							
	D = Deficiency C = Comment (Indicate type) Itom Data Riser D C Deficiencies and Comments							
Item	Date	Riser	D	С		Indicate all equip	oment, dev	vices and parts that were repaired or replaced
☐ Check here if additional Deficiencies and Comments are listed on Form AES 9. Number attached: ☐ 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	me							
Signatu	re							Date

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Di	esel
Fire	Pump

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F	Rei	pa	rt

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Property Information

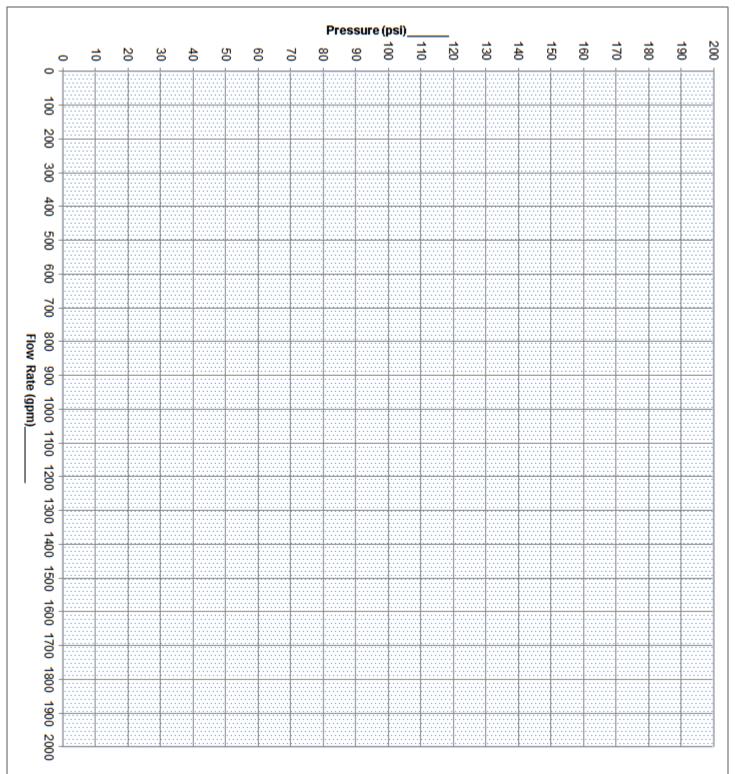
Building Name

Address City



Contractor or Licensed Owner Information

Name Job#



- Curve Identification:

 1. Manufacturer's shop test curve
 2. Original adjusted fire pump curve
 3. Current adjusted fire pump curve

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Diesel	California Code of Regulations - Title 19
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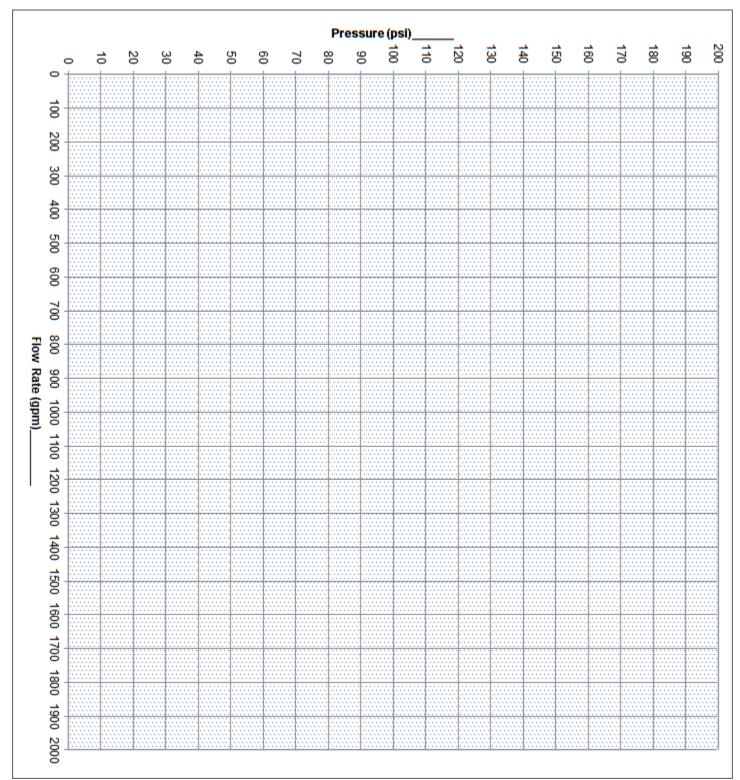
Building Name Address

City



Contractor or Licensed Owner Information

Name Job#



- Curve Identification:
 4. Original unadjusted fire pump curve
 5. Current unadjusted fire pump curve
- 6. Current unadjusted fire pump curve using total pump pressure + supply pressure