

Ray Kwan

VSC Fire & Security, Inc.

Fire Pump Performance/Acceptance Test Sheet

180112

Periodic tests of transfer switches and emergency generators are to be performed by a qualified electrical contractor in accordance with NFPA 110. VSC can provide this additional service on a separate basis, but it is not part of the fire pump test.
NOTE: Only complete Part B on a fire pump performance/acceptance test. Test Date: 10/20/13

Part A: Pump Information Contract #: 1800904 Location: .

PUMP	TYPE OF TEST: <input checked="" type="checkbox"/> ANNUAL PERFORMANCE TEST <input type="checkbox"/> ACCEPTANCE TEST		PUMP LOCATION OR NO. <u>4</u>				
	TYPE OF PUMP: <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/> VERTICAL		IF VERTICAL, INDICATE: STATIC WATER LEVEL _____ FT. PUMPING WATER LEVEL _____ FT.				
	MANUFACTURER <u>ITAC</u>	MODEL/TYPE <u>9100</u>	SERIAL NO. <u>98-249610-01-03</u>	<input checked="" type="checkbox"/> UL LISTED <input checked="" type="checkbox"/> FM APPROVED			
	RATED CAPACITY (1) <u>5000</u> GPM	RATED HEAD OR PRESSURE (2) <u>140</u> PSI	RATED SPEED (3) <u>1785</u> RPM	Rated Churn Pressure <u>151</u> PSI	Rated Pressure 150% <u>124</u> PSI		
DRIVER	MANUFACTURER		MODEL		SERIAL NO.	<input type="checkbox"/> UL LISTED <input type="checkbox"/> FM APPROVED	
	ELECTRIC MOTOR	RATED VOLTAGE	RATED AMPS	RATED SPEED	RATED H.P.	SERVICE FACTOR _____	
	<input checked="" type="checkbox"/> DIESEL ENGINE Other _____	RATED H.P. <u>660</u>	RATED SPEED <u>1760</u>	BATTERY SETS <input checked="" type="checkbox"/> ONE <input checked="" type="checkbox"/> TWO	BATTERY INSULATED FROM FLOOR <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
POWER SUPPLY	OVERHEAD <input type="checkbox"/> PROTECTED <input type="checkbox"/> UNPROTECTED <input type="checkbox"/> UNDERGROUND		COMMENTS				
FUEL SUPPLY	<input checked="" type="checkbox"/> ABOVE GROUND <input type="checkbox"/> BELOW GROUND		SUPPLY DURATION	<input checked="" type="checkbox"/> 8 HOUR PERIOD Other _____		COMMENTS	
CONTROLLER	MANUFACTURER <u>Joslyn Clark</u>		MODEL/CATALOG <u>A7E4LN16-9E4LM1D</u>		SERIAL NO. <u>C162575-1-1</u>	<input checked="" type="checkbox"/> AUTOMATIC <input type="checkbox"/> NONAUTOMATIC <input type="checkbox"/> UL LISTED <input type="checkbox"/> FM APPROVED	
	START PRESSURE _____ PSI		STOP PRESSURE _____ PSI		RUN TIME _____ MIN		
	POWER SUPPLY	OVERHEAD <input type="checkbox"/> UNDERGROUND		PUMP HOUSE/ROOM HEATED <input type="checkbox"/> YES <input type="checkbox"/> NO		SPRINKLERED <input type="checkbox"/> YES <input type="checkbox"/> NO	
JOCKEY PUMP	START PRESSURE _____ PSI	STOP PRESSURE _____ PSI	MODEL # <u>A95523176</u>		SERIAL # _____		
WATER SUPPLY	<input type="checkbox"/> PUBLIC <input type="checkbox"/> PRIVATE		TANK SIZE <u>1 Million</u> GPM	<input type="checkbox"/> OTHER _____		STATIC PRESSURE _____ PSI	

Part B: Pump Test

NOZZLE		OBSERVED					PUMP PRESSURES		
COEF. _____		PITOT	(4) FLOW	(5) SPEED	VOLTS	AMPS	(6) DISCHARGE	(7) SUCTION	(8) NET HEAD
NO	SIZE	PSI	GPM	RPM	Flow %		PSI	PSI	PSI
	<u>Churn</u>			<u>1854</u>	<u>0</u>		<u>170</u>	<u>7</u>	<u>163</u>
	<u>2 1/2</u>	<u>2/25 1/24</u>	<u>2512</u>	<u>1822</u>	<u>50</u>		<u>165</u>	<u>6</u>	<u>159</u>
	<u>2 1/2</u>			<u>1822</u>	<u>75</u>		<u>162</u>	<u>6</u>	<u>156</u>
	<u>2 1/2</u>	<u>4/25 2/24</u>	<u>5024</u>	<u>1813</u>	<u>100</u>		<u>154</u>	<u>6</u>	<u>148</u>
	<u>2 1/2</u>	<u>38, 38, 21</u>	<u>8322</u>	<u>1813</u>	<u>150</u>		<u>115</u>	<u>4</u>	<u>111</u>
		<u>31, 31, 29</u>							
		<u>29, 28, 18</u>							

NOTES: 1. PUMP PRESSURE SETTINGS:
 Jockey Pump Stop = Pump Churn Press. + Min. Static Supply Press.
 Jockey Pump Start = Jockey Pump Stop - 10 psi
 Fire Pump Start = Jockey Pump Start - 5 psi
 Fire Pump Stop = Jockey Pump Start

2. Use the Chart on the next page of this report to establish the Pump Rating
 3. Voltage and Ampere readings are to be no lower than 5% or greater than 10% of Rating;

