



19960 West 161st Street
Olathe, Ks. 66062

(913)747-0390

ELECTRIC FIRE PUMP TEST

Contractor Name: FE MORAN Contract#

Project Name: BIRKDALE Address: LEE'S SUMMIT

Date: August 9, 2023 Time: 9AM

The following people witnessed this electrical fire pump test for the above referenced project.

Authority Having Jurisdiction

Alarm Company Representative

City Representative

Water District Representative

Insuring Company Representative

Owners Representative

Fire Department Representative

Others Present for test

Pump Representative

ASC Pumping Equipment
AJ PODSCHWIT

Controller Representative



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FIRE PUMP INFORMATION

Project Name: BIRKDALE Date: 8/9/2023
Address: LEE'S SUMMIT
Contract #: _____

Fire Pump: Mfg. AURORA Model #: 8-481-17B

Serial #: 22-2634835 Size: 8-481-17B

GPM: 2000 PSI 60 RPM: 1770 Stages: 1

Impeller Diameter: 12" Rotation: RH

PSI @ 150%: 44 PSI MAX: 68.8

Max. BHP: _____ Max. Suct.: 106.2

Motor Mfg. WEG Model #: 100180P3EFP404TS-V

Serial #: 1069227803 Frame: 404/5 TS Service Factor: 1.15

HP: 100 Phase: 3 Hertz: 60 Voltage: 230/460

Full Load Amps: 257 Max. Amb: 40C NEMA Code: G

CONTROLLER - FIRE PUMP: Mfg: EATON Serial# 16G3070E

Model No.: FD90 Starting Type: SOLID STATE Break Set: _____

HP: 100 Phase: 3 Hertz: 60 Volts: 480

Transfer Switch: _____ Yes X No

Min. Run Timer: Disabled: X Enabled Set at: _____ minutes

Number of Starts: Auto: 6 Manual: 6

Pressure Set Points On 145 Off 155

Fire Pump left in Service? _____ yes _____ no
Valves left in normal operational position? _____ yes _____ no
Tamper Switches installed? _____ yes _____ no
Tamper switches wired to alarm panel? _____ yes _____ no
Power failure alarm wired to central alarm? _____ yes _____ no
Pump running alarm wired to central alarm? _____ yes _____ no



JOCKEY PUMP TEST DATA

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Job Name: BIRKDALE
Address: LEE'S SUMMIT
Time of Test: _____

Date: August 9, 2023
Contract #: _____

JOCKEY PUMP: Mfg. AURORA Serial # 22-2634836

Model No.: PVM 3-9 Pump Size: 1.5HP

Rated GPM: 20 Rated Head: 70PSI RPM: 3500

Rotation: RH

Casing relief Installed: _____ Yes X No

Relief valve set at: _____ PSI

JOCKEY PUMP MOTOR: Mfg. BALDOR

Model No. : M14584 Part #: _____ Serial #: F2208050211

Frame Size: 56CZ

Rated HP: 1.5

Rated RPM: 3450

Volts: 208-230/460

Phase: 3 Hertz: 60

Service Factor: 1.15

Full Load AMPS: 4.2-4

SF AMPS: _____

JOCKEY PUMP CONTROLLER: Mfg.: EATON

Model No.: XTJP-G04-L1

Horsepower: 1.5

Full Load Amps: 2.5-4.0

Serial No.: 16G3070J

Voltage: 460

Full Load Amps: 2.5-4.0

Overload Setting: _____

Minimum Run Timer: _____ Yes X No

Minimum Run Timer Setting: _____

Panel on At: 155 PSI

Panel off at: 165 PSI

Power left on _____ Yes X No

Control switch left in : OFF

Jockey Pump Panel Functioning Properly? X Yes _____ No



Project Name: BIRKDALE
Address: LEE'S SUMMIT

Date: 8/9/2023

Contract #

ELECTRIC FIRE PUMP TEST DATA

	No.	FLOW GPM	DISC PSI	SUCT PSI	NET PSI	RPM	A-B VOLTS	A-C VOLTS	B-C VOLTS	AMPS LEG 1	AMPS LEG 2	AMPS LEG 3	AMPS AVE
	CHURN	0	161	92	69	1788	485	487	488	89	91	96	92
1	50%	1010	158	91	67	1785	484	486	487	101	103	109	104
2	100%	2020	145	84	61	1781	483	484	486	117	119	126	121
3	125%	2515	131	77	54	1777	483	484	485	123	125	133	127
4	150%	3004	118	73	45	1777	482	484	485	129	131	137	132
5					0								0
6					0								0

PITOT READINGS

2" Inserts

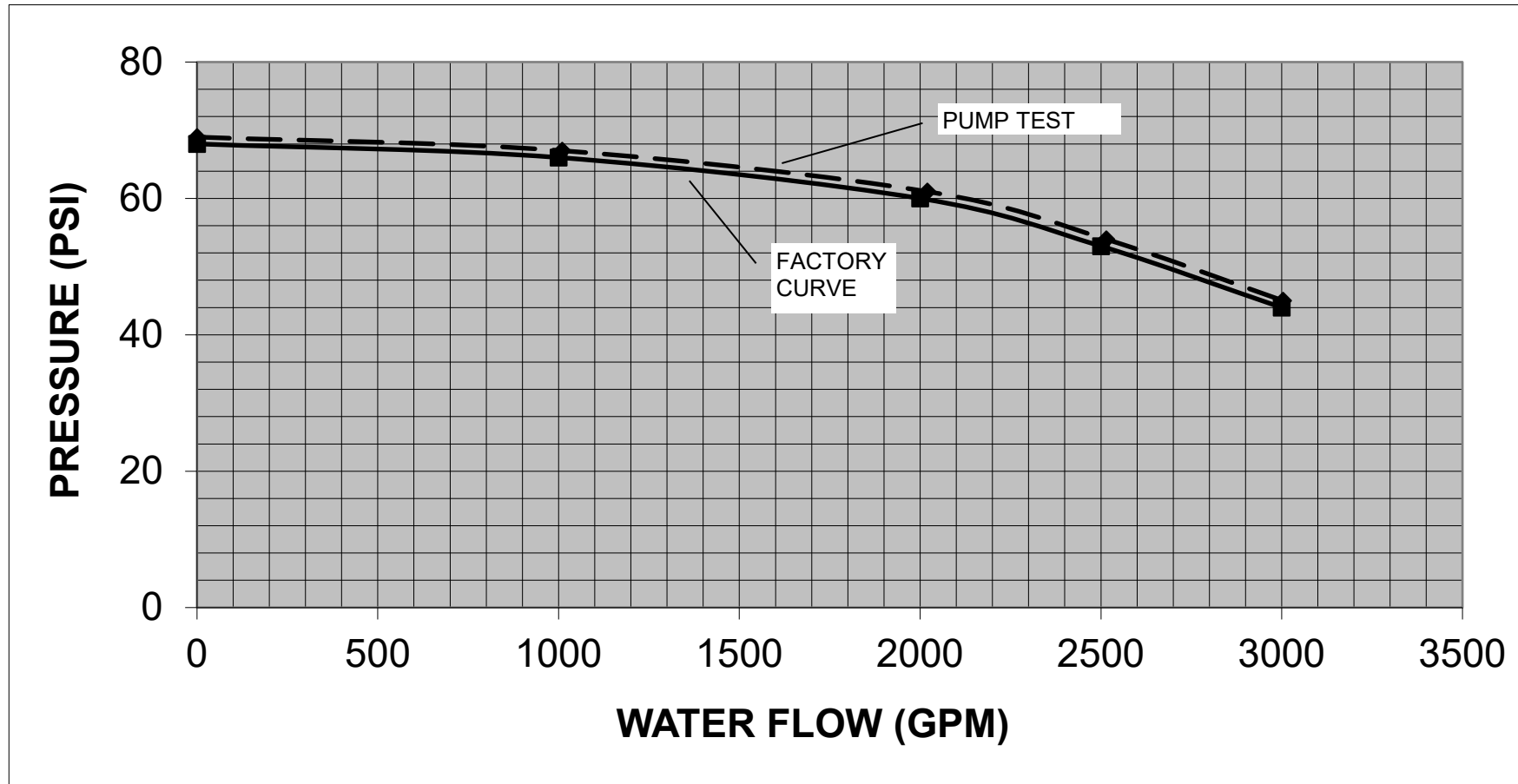
*=1.75 INSERT

TEST 1		2		3		4		5		6		7	
PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM	PSI	GPM
10	493	10	493	16	624	17	643						
11	517	10	493	16	624	17	643						
		11	517	16	624	17	643						
		11	517	17	643	17	643						
						17*	432						
1010		2020		2515		3004		0		0		0	
1000		2000		2500		3000						3000	

COMMENTS: _____

Project Name: BIRKDALE
 Address: LEE'S SUMMIT

Test Date: August 9, 2023
 Contract # 0



FIRE PUMP TEST												
No.	FLOW GPM	DISC PSI	SUCT PSI	NET PSI	RPM	A-B VOLTS	A-C VOLTS	B-C VOLTS	AMPS LEG 1	AMPS LEG 2	AMPS LEG 3	AMPS AVE
CHURN	0	161	92	69	1788	485	487	488	89	91	96	92
1	1010	158	91	67	1785	484	486	487	101	103	109	104
2	2020	145	84	61	1781	483	484	486	117	119	126	121
3	2515	131	77	54	1777	483	484	485	123	125	133	127
4	3004	118	73	45	1777	482	484	485	129	131	137	132

FACTORY TEST CURVE		
	PSI	GPM
CHURN	68	0
50%	66	1000
100%	60	2000
125%	53	2500
150%	44	3000