

# APOLLO FIRE PUMP TEST FORM

FIRE DEPARTMENT SHELBY TWP. F.D. DATE 6/19/2023

TESTED AT APOLLO FIRE W/O# \_\_\_\_\_ PUMP OPERATOR MARTY

TRUCK # Q-3 MAKE SUTPHEN YEAR 1997 MODEL QUINT

ENGINE MAKE DETROIT MODEL 6V92 BHP 400 GOVERNED RPM 2225

PUMP MAKE HALE MODEL QSML150 RATED CAPACITY 1500 GPM 150 PSI

TEST REQUIREMENTS 1500 GPM AT 150 PSI 1050 GPM AT 200 PSI 750 GPM AT 250 PSI

NET PUMP PRESSURE EXCESS POWER TEST 110 1579 GPM @165 PSI

SUCTION HOSE DIAMETER 6 INCHES LENGTH 20 FEET LIFT 9 FEET

PRIME TIME (SECONDS) 20 VACUUM TEST \_\_\_\_\_ INCHES AT START \_\_\_\_\_ INCHES AT 5 MINUTES

START TIME		4	3	NOZZLE	2-1/4
TIME	VAC.	PUMP PANEL TACH	PUMP APAR GAUGE	PRESSURE TEST GAUGE	PITOT NP 100
9:20	13.5	1600	140	150	100
9:25	13.5	1600	140	150	100
9:30	13.5	1600	140	150	100
9:35	13.5	1600	140	150	100
9:40	13.5	1600	140	150	100

9:40	15	1690	150	165	110
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**PRESSURE CONTROL DEVICE TEST**

0	LB INCREASE @ 150 LB P.P
0	LB INCREASE @ 90 LB P.P

		2	3	NOZZLE	2
TIME	VAC.	PUMP PANEL TACH	PUMP APAR GAUGE	PRESSURE TEST GAUGE	PITOT NP 78
9:45	12	1750	185	200	78
9:50	12	1750	185	200	78
9:55	12	1750	185	200	78

		2	3	NOZZLE	1-3/4
TIME	VAC.	PUMP PANEL TACH	PUMP APAR GAUGE	PRESSURE TEST GAUGE	PITOT NP 68
10:00	9.5	1900	230	250	68
10:05	9.5	1900	230	250	68
10:10	9.5	1900	230	250	68

FINISH TIME \_\_\_\_\_

**PRESSURE CONTROL DEVICE TEST**

0	LB INCREASE AT 250 LB P.P.
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**FINAL RESULTS**

	150	200	250
	PSI	PSI	PSI
PUMP STG	PAR	PAR	PAR/SERIES
DURATION	20	10	10
AV.VAC.	13.5	12	9.5
ENGINE RPM	1600	1750	1900
AV.PUMP PRESS.	150	200	250
SUCTION PRESS.	8	6	5
NET PUMP PRESS.	158	206	255
AV.NOS.PRESS.	100	78	68
GPM	1500	1050	750
OIL PRESSURE	50	55	65
WATER TEMP.	180	185	190

DASH  
DASH

SPURT 110  
#NP= 1579 GPM@165#NETP.P

**REMARKS**

MASTER DISCHARGE GAUGE 20 PSI OFF

APOLLO FIRE APPARATUS REPAIR, INC.