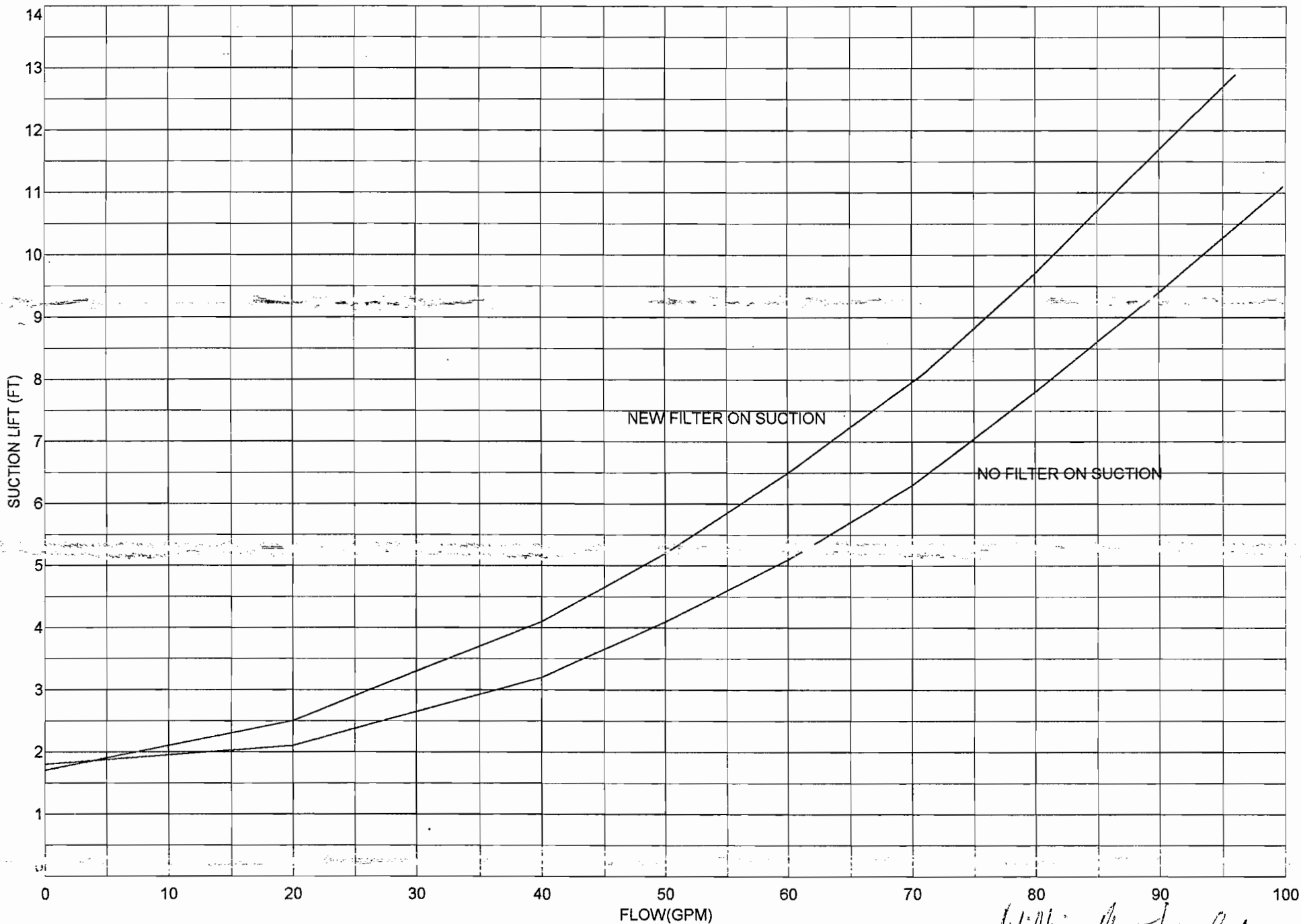


GOULDS PUMPS FLOW TEST ON 1 MICRON FILTER FROM FINGER  
LAKES ENTERPRISES. 9/21/95 TESTED ON SUCTION OF 3HP  
"PRIMEFLOW"



*William M. Szepel*

WSD TEST CENTER  
 HEAD, CAPACITY, HORSEPOWER TEST  
 TEST DATA  
 TEST NO. :253  
 MODEL NO.:PF30  
 DATE :10-12-1995

DIS.PRESS.	52.50	52.00	51.40	50.00	48.00	45.20	41.70	37.20	32.50	8.20
DIS. HD.-FT.	121.27	120.12	118.73	115.50	110.88	104.41	96.33	85.93	75.07	18.94
SUC. PRESS.	-0.91	-1.08	-1.43	-1.95	-2.16	-2.73	-3.33	-4.03	-4.85	-5.24
SUC. HD.-FT.	-2.10	-2.50	-3.30	-4.50	-5.00	-6.30	-7.70	-9.30	-11.20	-12.10
GAGE DIFF.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VEL. HEAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
DIS.GAGE CORR.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SUC.GAGE CORR.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TTL.HD.-FT.	123.37	122.62	122.03	120.00	115.88	110.71	104.03	95.23	86.27	31.04
FLOW-GPM	0.0	10.0	20.1	29.9	40.0	50.1	59.8	70.1	79.8	89.4
FLOW-GPH	0.0	602.4	1207.8	1795.2	2400.0	3004.8	3589.2	4205.4	4786.2	5366.4
TEST VOLTS1	231.8	229.7	229.4	229.2	229.0	230.3	230.4	230.3	230.6	230.4
VOLTS2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VOLTS3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AMPS										
L1	8.6	8.9	9.4	10.2	11.0	11.9	12.8	13.7	14.6	14.3
L2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVE.AMPS	8.6	8.9	9.4	10.2	11.0	11.9	12.8	13.7	14.6	14.3
WATTS	1142	1292	1488	1717	1967	2217	2462	2702	2918	2823
BHP	1.14	1.32	1.55	1.82	2.09	2.36	2.62	2.86	3.08	2.99
RPM	3570.0	3570.0	3560.0	3560.0	3550.0	3540.0	3530.0	3530.0	3520.0	3520.0
TORQUE-IN.LB.	0	0	0	0	0	0	0	0	0	0
EFFICIENCY	0.00	23.51	39.93	49.92	55.89	59.23	59.97	58.84	56.45	23.48

Cover File: MUSSEL.cvr  
 Log File : MUSSEL.LOG  
 Setup : PLYMAG.SET

WSD TEST CENTER  
HEAD, CAPACITY, HORSEPOWER TEST

TEST NO. : 253                   MODEL NO. : PF30  
CURVE NO. : GC0267R00       Cat. No. :  
DATE : 10-12-1995       SIZE : 3 HP 60HZ  
TESTED BY : K. MARBLE

BAROMETER : 29.57           DISCH. I.D.: 1.61           JET BODY :  
WATER TEMP: 63 DEG. F.   SUCT. I.D.: 1.61           NOZZLE :  
DIS. GAGE : 300#RSMNT   VEL.HD.COE: 0.00000D+00   DIFFUSER :  
SUC. GAGE : 30 FT MANO   GAGE DIFF : 0           SETTING :  
FLOWMETERS           POWER METER           WATER LEVL:  
2" YEW MAG                   TEST PANEL #1

<u>IMPELLER</u>	<u>CASING</u>	<u>MOTOR ADAPTER</u>
DWG. NO. :	DWG. NO. :	DWG. NO. :
PATT. NO. :	PATT. NO. :	PATT. NO. :
MATERIAL : ISOPLAST	MATERIAL :	MATERIAL :
DIAMETER : 5.375		
FRONT CLR :		
BACK CLR. :		
STAGES : 1		

<u>DIFFUSER</u>	<u>SEAL PLATE</u>	<u>BOWL</u>
DWG. NO. : 120-44	DWG. NO. :	DWG. NO. :
PATT. NO. :	PATT. NO. :	PATT. NO. :
MATERIAL : ISOPLAST	MATERIAL :	MATERIAL :

<u>MOTOR INFO</u>		
MANUFAC.: AOS	HP : 3	VOLTS : 230
MODEL : C56P2U11A3	PH : 1	FL AMPS : 15.2
SERIAL : 7H86	HZ : 60	SF AMPS : 17.2
DATE CD.:	SF : 1.15	RPM : 3450
ENCL.L : ODP	FR :	INS. CL. : B

COMMENTS: CERAMIC ZEBRA MUSSLE FILTER ADDED TO SUCTION PIPE. TEST RUN TO EVALUATE LOSS IN PERFORMANCE BY INSTALLING FILTER (COMPARE TO TEST #248).

Cover File: MUSSEL.cvr  
Log File : MUSSEL.LOG  
Setup File: P1YMAG.SET