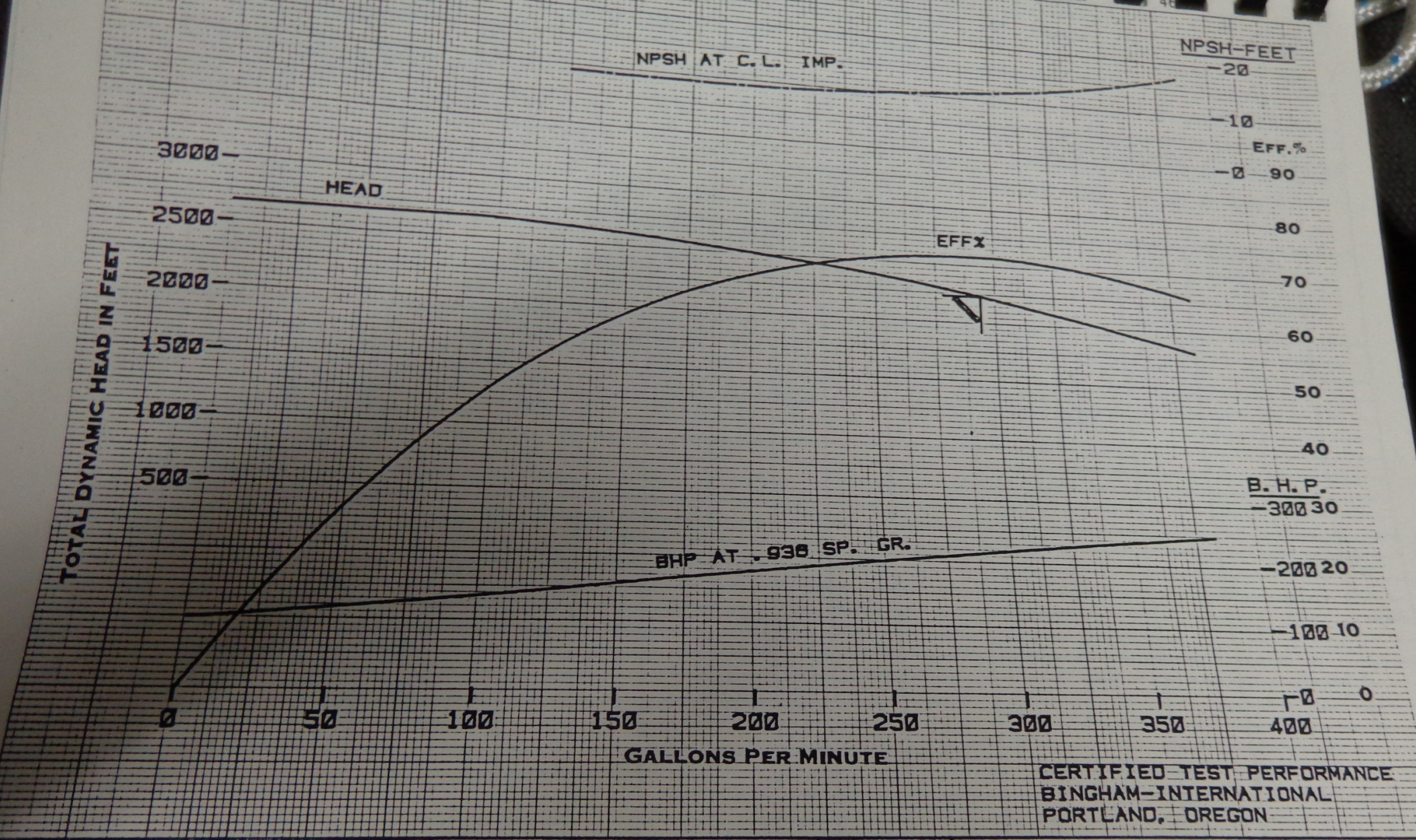


FLUOR ENGINEERS/WRRA
BOILER FEED
JO# 620606-4-0603
ITEM# P-200A
IMP# 1C540

PUMP ENGINEERING DEPT.

BINGHAM INTERNATIONAL

10/7/87 TW

IMPELLER MAX. DIA. 8.75"	3*4*8.75B MSE 8-STG PUMP		
MIN. DIA. "	DIA. IMPELLER 8.59"	IMPELLER PATT. 313MSC-4 313MSC-5&6	3560 R.P.M.
EYE AREA 8.6 SQ. IN.	N.P.S.H.REQUIRED 11'	REFERENCE	CURVE No. 46108

BINGHAM-WILLAMETTE CO. PORTLAND, OREGON – SHREVEPORT, LOUISIANA
BINGHAM-WILLAMETTE LTD. BURNABY, B.C. – CAMBRIDGE, ONT., CANADA

FORM NO. 930-4A

HYDRAULIC TEST DATA SHEET

SEE CURVE 45108

PAGE 1 OF 2

PUMP SIZE & TYPE	STGS.	CUSTOMER	PUMP TESTED
3*4*8.75B MSE	8	FLUOR ENGINEERS/WRRA	1C540

PURCHASE ORDER NO: 620606-4-0603

CUSTOMER ITEM NO: P-200A

CONDITION	R.P.M.	T.D. HEAD	G.P.M.	EFF.	SP. GR.	EYE DIA.	EYE AREA	DISCH. PIPE I.D.	SUCT. PIPE I.D.
FIELD	3560	2219	293	71.2	.936		8.6	2.3000	4.0260
TEST									

TEST MOTOR: CHM-400-3600

	TESTED BY	DATE	START	STOP
	CS/TW	10/7/87	8:05 AM	8:35 AM

STG.	IMP. PATTERN	VANES	IMP. MAX. DIA.	IMP. TEST DIA. *
1	313MSC-4	4	8.75"	8.66"
2-8	313MSC-5&6	5	8.75"	8.66

REMARKS:
*TRIM AFTER TEST: 8.59 IN.DIA.

RUN NO.	SPEED R.P.M.	CAPACITY METER A6-3" VENT IN. HG.	CAPACITY G.P.M.	Hv 82.85 FT. PER 1000 G.P.M.	GAGE TO GAGE ELEV.	DISCHARGE "A" DEADWT P.S.I.	DISCHARGE FEET OF WATER	SUCTION Hg COLUMN FEET OF WATER	TOTAL DYNAMIC HEAD IN FEET OF WATER	POWER C.T. = 20:1 P.F. = 100 WATTS READ	POWER B.H.P. OUT	PUMP EFF %	CORRECTED TO CONSTANT SPEED (TRIM AFTER TEST) OF 3560 R.P.M. G.P.M.	CORRECTED T.D.H.	CORRECTED B.H.P.	B.H.P. AT 0.936 S.P. GR.	VIBRATION TRANSDUCER AT SHAFT	
1	3594	0.00	0.0	0.0		1210	2795.1	28.8	2766.3	231	112.6	0.0	0.0	2662.4	106.4	99.5		
2	3592	2.00	95.3	0.8		1209	2791.6	28.5	2763.9	303	150.5	44.2	93.5	2662.1	142.2	133.1		
3	3589	8.80	199.9	3.3		1133	2617.2	28.4	2592.1	395	198.4	66.0	196.4	2501.1	188.1	176.0		
4	3587	18.50	289.9	7.0		1016	2347.0	27.8	2326.1	473	238.5	71.4	285.0	2247.4	226.5	212.0		
5	3585	33.30	388.9	12.5		810	1871.1	26.6	1857.0	551	278.2	65.6	382.5	1796.3	264.7	247.7		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		

CERTIFIED TEST PERFORMANCE
BINGHAM-INTERNATIONAL
PORTLAND, OREGON
DATED: 10/7/87
SEE CURVE 46108

CERTIFIED BY: Tom Williams