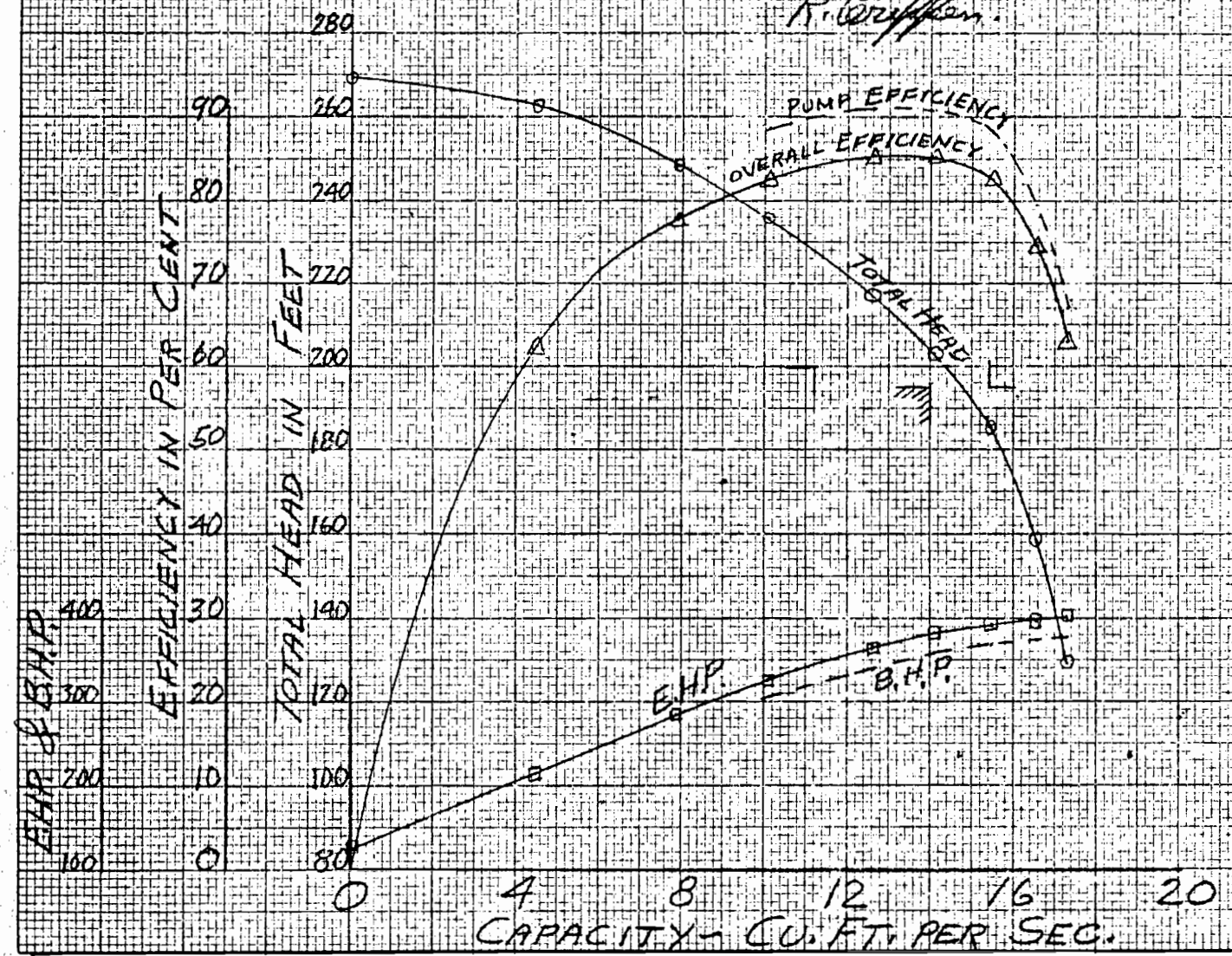
DS-4558
Item 3

I certify that this Test correctly represents the Performance of 10LNS-22 Pump No. 1520488
R. Griffen.

Unit #4

IMPELLER DIA. 21 7/8"
SPEED 1200 R.P.M.



HOW TESTED:	CAPACITY. VENTURI	DRIVER CUSTOMER'S MOTOR	SPEED 1200 R.P.M.	DRIVE DIRECT		
WITNESS TEST CURVE	WORTHINGTON CORPORATION		NEW YORK		P-423929	
					ORDER No.	TEST No.
R.C. 2-5-57	10	LNS-22	VOLUTE	1520488	1200	A-1	E-134928
APPROVED DATE	SIZE	TYPE	STYLE	MACHINE	RPM.	COMB No.	CURVE No.

W1119 755

WORTHINGTON CORPORATION

CENTRIFUGAL PUMP TEST SHEET

CONDITIONS OF SERVICE:

G.P.M. 6283 T.D.H. 195 FT. R.P.M. 1200 EFF. 86.0% ORDER NO. P-423929 PUMP NO. 1520488

SIZE- 10 TYPE- LNS-22 TEST NO.

E-134928-A CURVE NO.

REV	SUCT. GAUGE	DISCH. GAUGE	VEL HEAD CORR	TOTAL HEAD	G.P.M.	WATER H.P.	C.F.S.	K.W.	VOLTS	OVERALL EFF.	MOTOR EFF.	ELECTRIC H.P.	BRAKE H.P.	PUMP EFF.
RPM	INS. HG.	PSIG	FT.	FT.						%	%			%
1200	9.9	45.4	11.5	129.3	7745		17.28	299.3		63.0	94.04	401.1	378	67.0
	9.5	58.6	10.6	158.4	7430		16.55	297.		74.7	94.0	398.	374	79.5
	9.0	71.2	9.28	185.4	6945		15.48	293		82.78	93.96	392.6	368.5	88.2
	8.4	79.8	7.7	203.2	6330		14.1	284.5		85.13	93.87	381.4	358.	90.7
	7.6	86.7	6.13	216.6	5650		12.6	270.		85.37	93.7	361.7	339	91.0
	6.2	96.7	3.95	235.9	4540		10.1	243.5		82.75	93.4	326.5	305	88.6
	5.8	103.0	2.4	248.5	3530		7.87	212.		77.91		284.3		
	5.2	110.2	0.78	262.7	2015		4.49	159.4		62.45		213.9		
	4.8	113.7	0	269.7	0		0	94.5		0		126.6		

TEMPERATURES:

INBOARD BEARING	77. °F
OUTBOARD BEARING	77. °F
ROTOR	80. °F
STATOR CORE	102. °F
STATOR WINDING	100. °F
AMBIENT	71. °F

DISTANCE BETWEEN GAUGES +1.7 FT. COMB. A-1 DWG. NO.

DRIVER NO.

IMP. DIMENSIONS

D2	VANE DIA.	WIDTH	TIP
21 7/8"	21 7/8"	2 1/2"	

BR. ~~Out~~

MOTOR OR TURBINE DATA

MOTOR

H.P.	V.	A.	PHASES	CYCLE	P.F.	R.P.M. SYN.	R.P.M. F.L.	MAKE OF MOTOR
400			3	60		1200	1200	IDEAL

TURBINE

H.P.	STM. PRES.	BACK PRES	SUP. HT.	MOIST.	R.P.M.	GEAR RATIO	MAKE OF TURBINE

DIRECT CONNECTED TO MOTOR ~~TURBINE~~ TEST MOTOR USED CUSTOMER'S

LENGTH OF TIME RUN VENTURI METER USED 16.07 X 10.5

REMARKS:

DATE 2-5-57 IDENTIFIED BY R. Griffen.