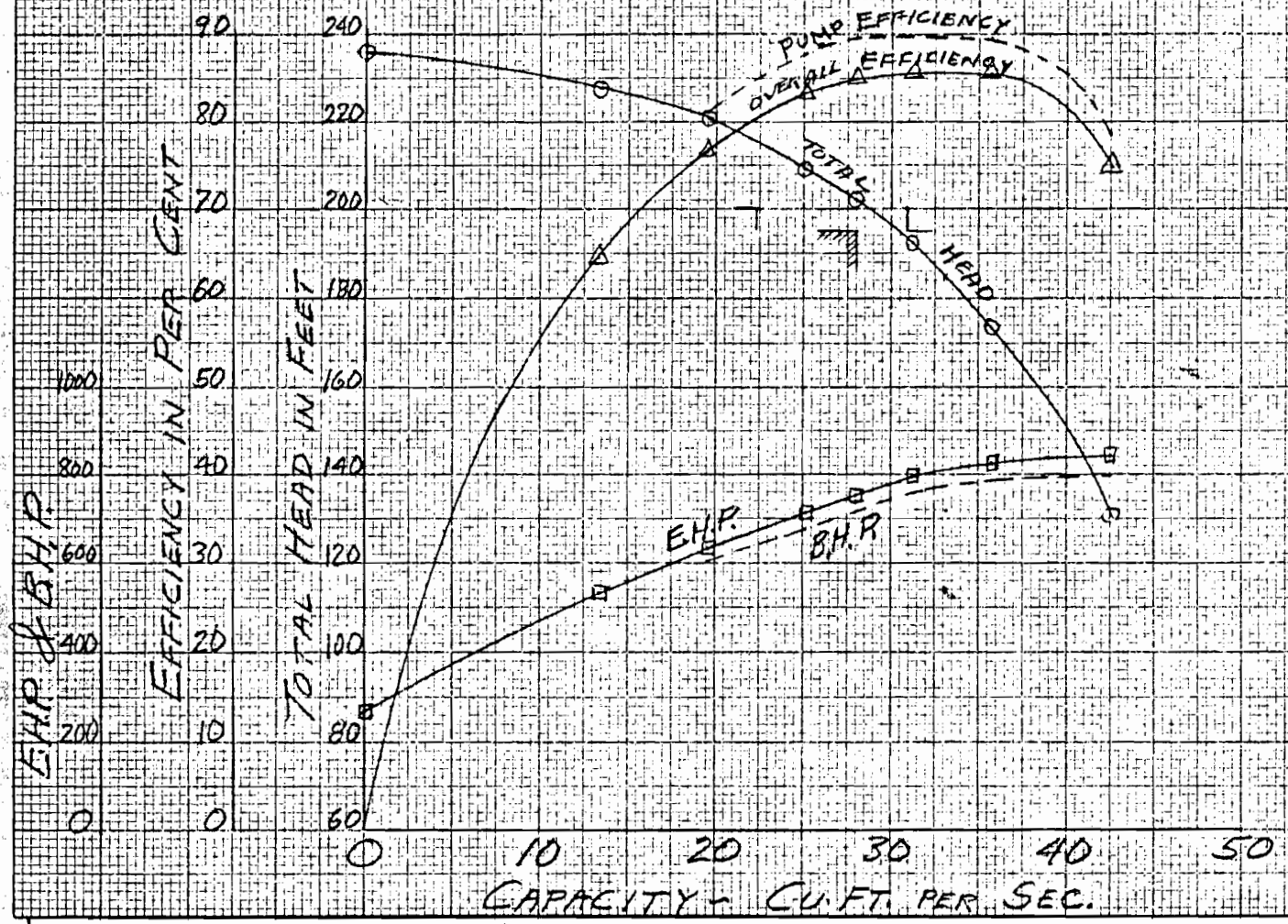
Worthington 2/15

DS-4558
Item 2
M.3

I certify that this Test correctly represents the Performance of 16LNS-28 Pump No. 1520487
R. Griffin

IMPELLER DIA. 28½"
SPEED 900 R.P.M.



HOW TESTED:	CAPACITY. VENTURI	DRIVER CUSTOMER'S MOTOR	SPEED 900 R.P.M.	DRIVE DIRECT	
WITNESS TEST CURVE	WORTHINGTON CORPORATION		NEW YORK	P-423928	
				ORDER No.	TEST No.
R.C. 2-4-57	16	LNS-28	VOLUTE	1520487	900	A-1	E-134927
APPROVED DATE	SIZE	TYPE	STYLE	MACHINE	R.P.M.	COMB No.	CURVE No.

CENTRIFUGAL PUMP TEST SHEET

ORDER NO. P-423928

CONDITIONS OF SERVICE:

G.P.M. 12,566 T.D.H. 195 FT. R.P.M. 900 EFF. 88% PUMP NO. 1520487

SIZE 16 TYPE LNS-28 TEST NO.

E-13492 CURVE N

REV	SUCT. GAUGE	DISCH. GAUGE	VEL HEAD CORR.	TOTAL HEAD	G.P.M.	WATER H.P.	C.F.S.	K.W.	VOLTS	OVER ALL EFF.	MOTOR EFF.	ELECTRIC H.P.	BRAKE H.P.	PUMP EFF.
RPM	INS. HG.	P.S.I.G.	FT.	FT.						%	%			%
900	8.2	48.3	11.5	130.9	19050		42.5	627.5		74.75	95.1	840.7	799.5	78.7
	6.8	68.9	8.1	173.6	16000		35.7	615.		85.4	95.03	824.0	784.	89.6
	6.2	78.0	6.2	192.2	14000		31.2	595.		85.4	95.0	796.6	757.	89.7
	5.6	83.1	5.0	202.1	12550		28.0	563.		85.0	94.86	754.4	715.	89.7
	5.4	85.6	4.04	208.7	11250		25.1	533.		83.2	94.73	713.9	676.	87.9
	4.4	92.8	2.4	220.5	8750		19.5	475.		76.5	94.5	636.2	601.	81.0
	4.1	96.6	1.2	227.7	6000		13.38	398.5		64.5		534.8		
	3.6	101.0	0	235.8	0		0	124		0		166.1		

TEMPERATURES:

INBOARD BEARING	78°F
OUTBOARD BEARING	78°F
STATOR WINDING	97°F
STATOR CORE	98°F
ROTOR	83°F
AMBIENT	71°F

DISTANCE BETWEEN GAUGES 1.25 FT. COMB. A-1 DWG. NO.

DRIVER NO.

IMP. DIMENSIONS

D_2	VANE DIA.	WIDTH	TIP
$28\frac{1}{2}$"	$28\frac{1}{2}$"	$5\frac{1}{8}$"	

Br. ~~[illegible]~~

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
800	2300		3	60		900	900	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 20X14

REMARKS:

DATE 2-4-57 IDENTIFIED BY R. Griffin