

WORK ORDER REQUEST AND CERTIFICATION

VIKING PUMP, INC. - A Unit of IDEX Corporation

Product Engineering Laboratory

406 State Street

Cedar Falls, IA. 50613

PW532C.1/1 (CLIENT TAG#: 19-P-759A)

PW532C.1/2 (CLIENT TAG#: 19-P-759B)

PW532C.2/1 (CLIENT TAG#: 19-P-859A)

PW532C.2/2 (CLIENT TAG#: 19-P-859B)

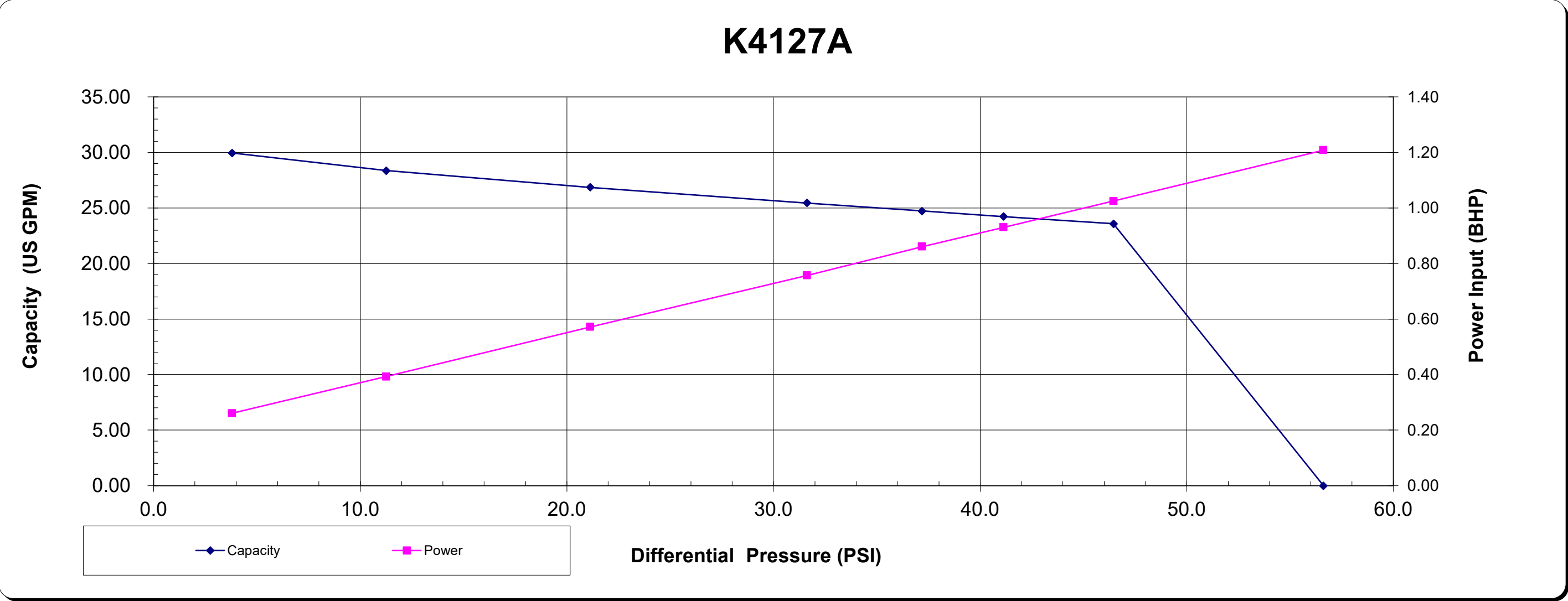
W.O. Number:	804070	Date:	3/28/2022
Customer:	Pye Barker	Customer Order No.:	
Viking Invoice No.:	804070	Serial No. (s):	
Pump Model:	K4127A		7887890032-0035

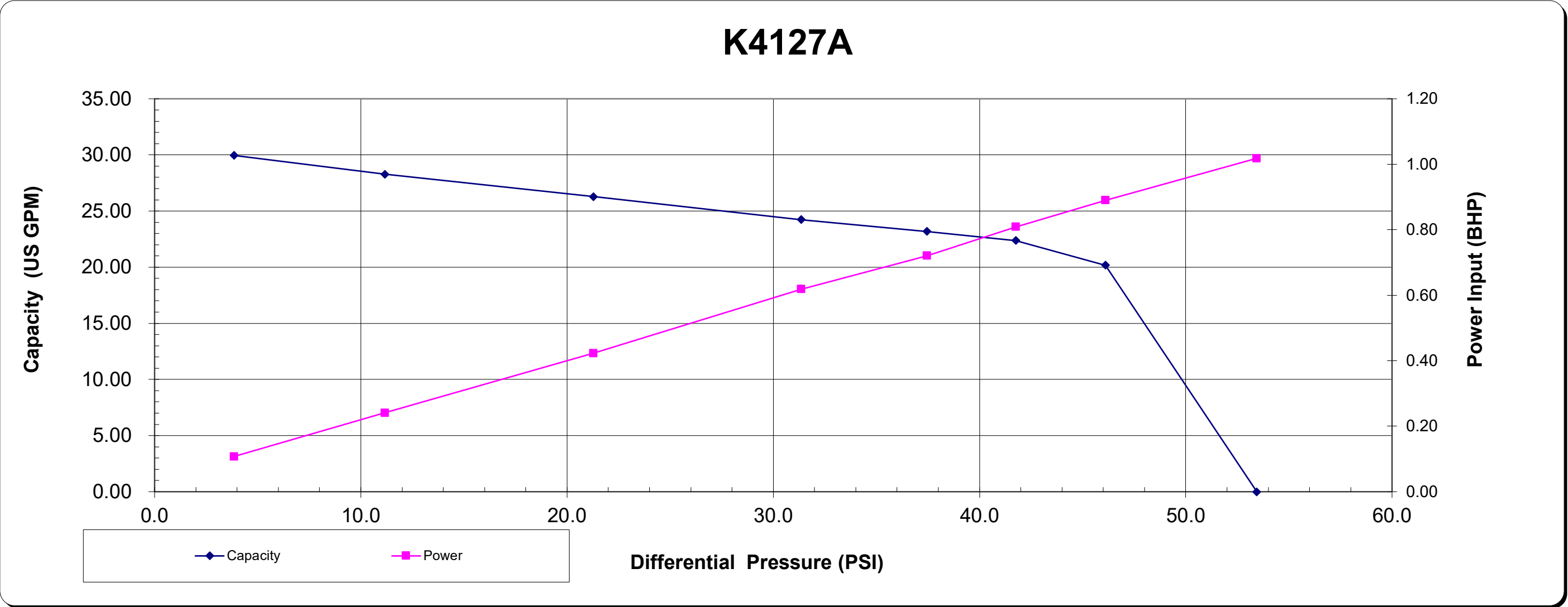
TEST TO BE PERFORMED AS FOLLOWS:		Technician's Init'ls:	
Hydrostatic Test Per WIS-1	NONE	Date:	
Pumping Chamber:	0.0 (PSI _g)		
Jacketed Chamber:			
Duration:	0		
Pressure Gage#:			

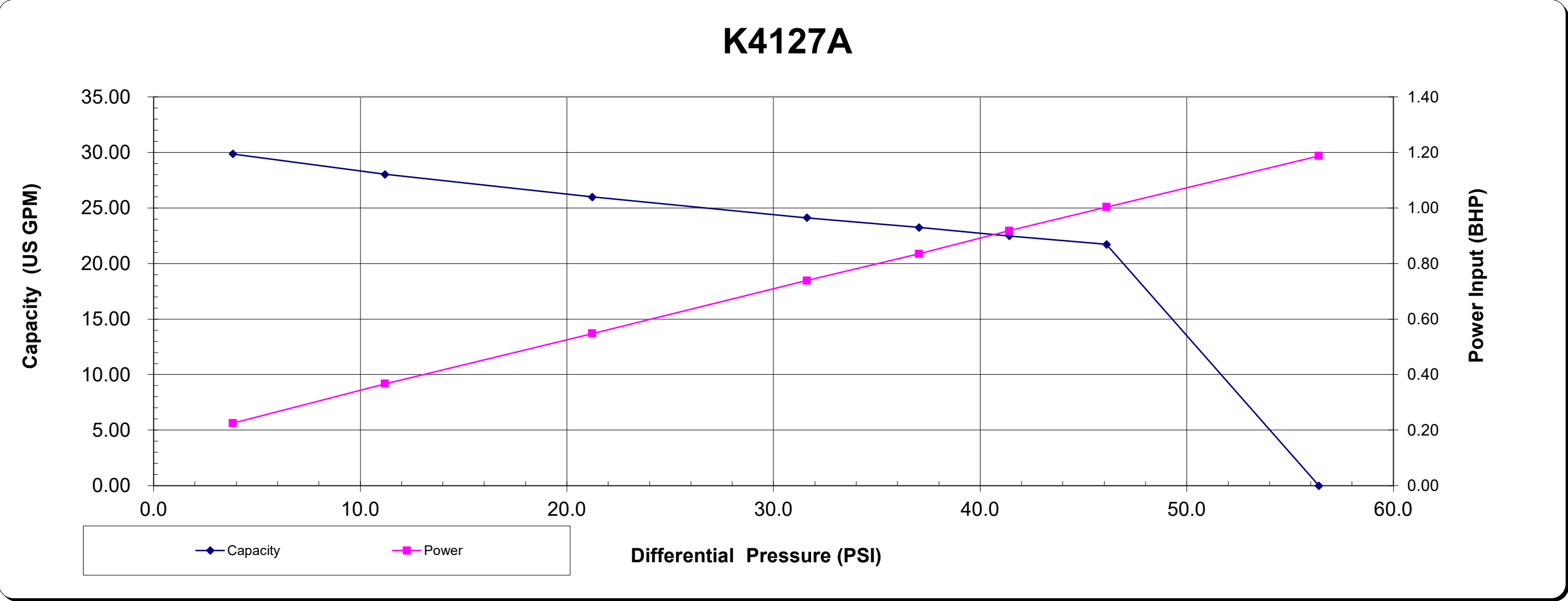
Performance Test Per WIS-2			Record Capacity and HP Data From Minimum to: 50.0 (PSI _g)	
	YES		Technician's Init'ls:	T.W.
RPM:	301	rpm		
Liquid:	LVG - 04/SM			
Temp:	92.0	(° F)		
Viscosity:	100	ssu	Date:	3/28/2022
Inlet Condition:	0	(In-HgVac)		
Required Capacity:	21	(US GPM)		

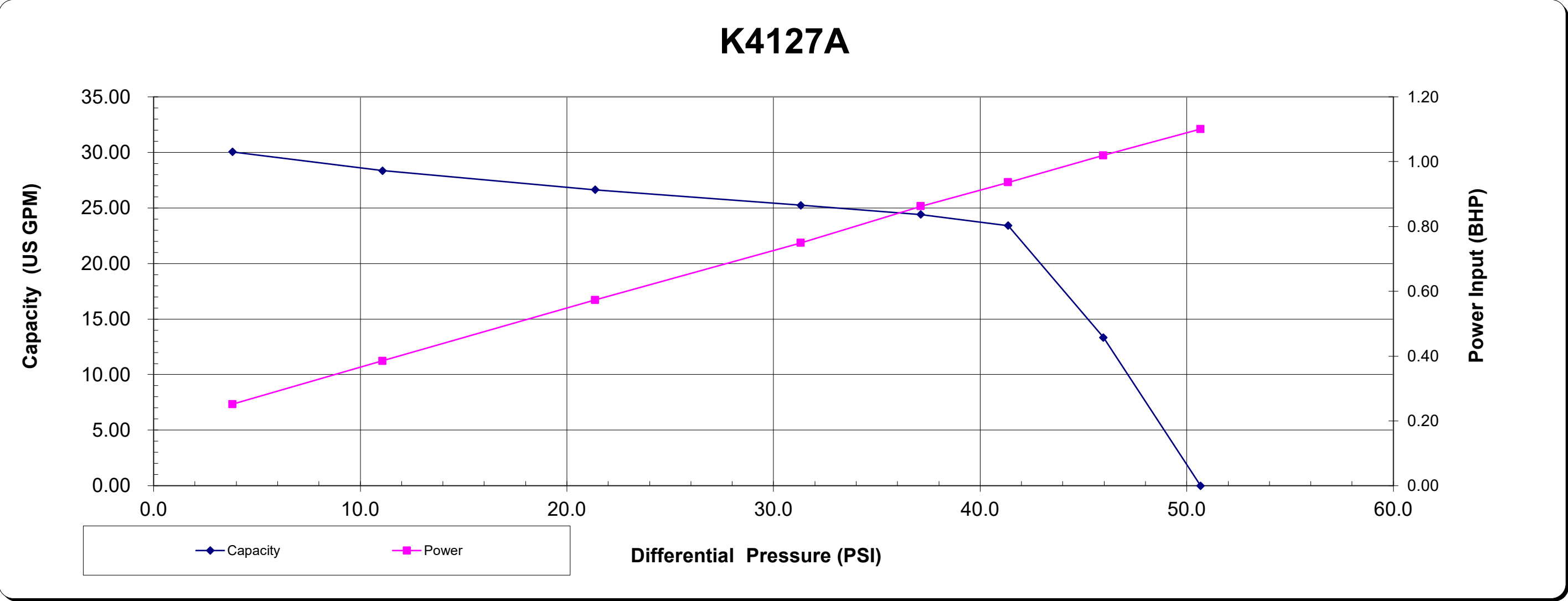
NPSH Test NONE	Record Capacity vs. Vacuum Data From minimum (In-HgVac) to Point of Cavitation.	
	Technician's Init'ls: Date:	
Misc. Testing Requirements:	Technician's Init'ls: Date:	

Lab Technician:	Electronic Signature Tom Wildeboer	
Date Completed:	3/28/2022	









PERFORMANCE DATA SHEET

Viking Pump, Inc.-A Unit of IDEX Corporation
Product Engineering Laboratory
406 State Street
Cedar Falls, IA. 50613

Work Order:	804070	For:	Pye Barker	Pump Serial No (s):	7887890035
Model:	K4127A	BOM No.:	4-2515-264C-588	Port Size:	2" F
Mat'l Specs:	0	Drive:	Direct	Rotation:	CW
Fluid:	LVG - 04/SM	Viscosity at Pumping Temperature:	100	SSU	

Volume Pumped	Time Req'd	Fluid Temp	Suction Pressure	Discharge Pressure	Torque	Pump Speed	Capacity	Differential Pressure	Power Input	Power Theo.	Pump Eff.	Vol. Eff.
(US GAL)	(SECS)	(° F)	(In-HgVac)	(PSIG)	(Lb-Ft)	(RPM)	(US GPM)	(PSI)	(BHP)	(THP)	(%)	(%)
30.04	60	92.2	2.3	2.7	4.39	301.02	30.04	3.8	0.25	0.07	26.57%	100.00%
28.36	60	92.3	2.3	10.0	6.72	301.02	28.36	11.1	0.39	0.18	47.58%	94.41%
26.64	60	92.0	2.1	20.3	10.00	301.02	26.64	21.4	0.57	0.33	57.97%	88.68%
25.24	60	91.8	2.1	30.3	13.07	301.02	25.24	31.3	0.75	0.46	61.56%	84.02%
24.41	60	91.9	2.0	36.2	15.04	301.02	24.41	37.1	0.86	0.53	61.34%	81.26%
23.41	60	91.8	1.9	40.4	16.34	300.93	23.41	41.4	0.94	0.56	60.33%	77.93%
13.34	60	91.9	1.6	45.2	17.79	300.93	13.34	46.0	1.02	0.36	35.09%	44.41%
0	60	91.9	1.3	50.0	19.21	300.93	0.00	50.7	1.10	0.00	0.00%	0.00%

EXTRA CLEARANCES											
OD Rotor		ID Rotor		OD Idler		ID Idler		ID Brg's		End Clr.	
										0.008	

LAB REMARKS											
Equipment:											
Pressure Gauge # 181170588 Dynamometer # 5833 HP DYNO 50											
Vacuum Gauge # 728732 Flow Meter # B305005											
Temp Probe # T1											

Certified by: Tom Wildeboer Date: 03/28/22