T	'L∮								Vertical Turbine	Recommended	Commissioni	ng Procedure) *
J.	'LŶ	Г	HB							Recommended	Commissioni	ng Procedure	
			GINCE 1981						Date of Commissioning:				
1													
ITE T	AG #:				· · ·								
	<u>/////////////////////////////////////</u>				/						Pump Serial		
ump	Manufac	turer:		1	1	<u> </u>		Model:			#:		
				Installa	ation & F	Pre- Star	rt Check	<u> </u>					
ЕМ										CHECKED BY	COMPLETED	DATE	INITIA
							TIONS						
OIE	SITE SAFE		EDURES	TO BE FOL	LOWED - I	NUEXCEP	TIONS						
	MANUFAC	TURER'S	SAFETY C	ONCERNS	SUPPLEM	IENT SITE	SAFETY P	ROCEDURES			-		
1	*Review a	l applica	ole Manufa	cturer's I.C	D.M. Manua	lls prior to	startup da	te					
	Examples	- Pump, I	Notor, Mec	hanical Se	als, Straine	ers, API Flu	ish Plans						
1,a	DO NOT P	ROCEED	PAST ITEN	A 1 if recor	mmended M	Manuals ha	ave not be	en reviewed &	review has not been signed off				
1.b	Review sig	ned off	,										
2		ll of the i	nanufactur	er's operat	ional and a	safety con	corne aro c	liscussed with	all parties				
3	Complete	recording	of model	& serial nu	mbers for	the assem	bly compo	nents on site					
	Pump, Mo	tor, Coup	ling, Mech	anical Sea	l, Flush Pla	in compon	ents, Strai	ner, Sensors,	Gauges				
4	Check - sy	stem flus	hed? Date	flushed - (Operationa	l since sys	stem flush	date? - RECO	RD DATA				
5	Record ali	anment s	ettings of	pump asse	mbly on fo	undation							
				n of compo			per operati	on			-		
-	Check pre	ssure sw	tch install	ation - reco	ord informa	ation							
	Recheck f	tting cor	nections o	on Flush Pla	an compon	ents		ĺ				ļ	
7	Physical c	<u>heck -</u> Ol	<u>ILY IF D</u> ET	ERMINED	<u>SAFE BY</u> S	ITE SAFET	TY PROCE	DURES					
				tings enga									
8	Physical c	neck - Ol	ILY IF DET	ERMINED	SAFE BY S	ILE SAFET	I Y PROCE	DURES					
_	Check stra	iner scre	en inside -	for contan	ninants, pa	rticulates	- record m	anually or elec	ctronically				
9	Drain & flu	ish strair	er if conta	minants / p	articulates	not accep	table for s	tartup conditi	ons				
10	<u>Discharge</u>	pressure	gauge / pi	ressure me	asurement	device on	system -	record					
				sure meas									
				ng - Recom			<u> </u>						
13	Relief valv	e setting	available -	record set	tting								
14	MOTOR S	upply - C	neck line v	oltage sup	ply to moto	or							
15	MOTOR - I	Record li	ne voltage	supply - Co	ompare aga	ainst moto	r nameplat	te					
16	MOTOR - (Check m	tor namen	late for rot	ation								
				een pump	∝ motor								
18	Bump mot	or for rot	ation		1								——
	Check pur	np rotatio	on located	on pump n	ameplate								
19	Rotate pu	<u>np - 4 t</u> o	5 times rot	ation - Do	not damag	<u>e pump</u> sh	aft						
20	MECHANI	CAL SEAL	- Install m	nechanical	seal								
21	SPACER C	OUPLIN	6 - Install C	oupling -	Check & A	djust drive	er & driven	coupling halv	res as required				
	Connect c	oupling I	etween pu	Imp & moto	or & rechec	k alignme	nt - Install	Coupling Bol	ts -				
	- Lift the r	otor / im	cellers to re	ecommend	ed setting-	minimum	lateral set	ting should b	e 0,19"				
22	MECHANI	CAL SEA	-Tighten	set screws									
23	MECHANI	CAL SEA	- REMOV	E SPACER	CLIPS								
	Reconnec												
25	Check suc	tion pipe	to pump -	Valves op	erational								
24	Check dis	charge pi	pe from pu	imp - Valve	es operatio	nal							
				Sta	rtup / Co	mmissio	ning			Checked	Completed	Date	Initia
								IF PUMP IS D	RY				
1	ONLY IF [DETERMI	NED SAFE	BY SITE S	AFETY PRO	CEDURES	S - Check	tor fluid in sys	stem & Pump -				
2	No fluid t	hen Prim	e pump wi	th fluid									
3	Re-check	oump su	tion - Valv	es open									
			tion - fluid		L								
				alves open									
6	Start Pum	o - Check	pump rpm	n - Record o	data		I						
7	Check pur	np suctio	n pressure	e gauge / pi	ressure me	asuremen	t device						
8	Check pur	np disch	arge pressu	ure gauge /	pressure r	measurem	ent device						
9	Check mo	tor ampe	age agains	st namepla	te value - d	do not exce	eed motor	nameplate					
				kage or hig									
10								<u>i</u>					
-	Immediate	shutdov	n if extern	al leakage	or unaccep	otable vibr	ation deteo	ted					
11	Check flus	h Plan p	ping for le	akage									
	Immediate	shutdov	n if extern	al leakage	detected								
10	Record me	otor amp	erage	L	L	L	L						L
				a									
			Record dat		1								
12	Record su	ction pre	ssure and	discharge	pressure v	alues					ļ		
13	Check pur	np rpm -	Record dat	ta									
14	Check pur	np and m	otor manu	facturers' I	.O.M. Manu	uals for im	proper per	formance			L		
15	Re Check	alignmen	t - record	data									
16					1								
	COMMISSIONING ACCEPTED:										-		
	Customer Representative:										ļ		
	Manufactu	irer Repr	esentative:								ļ		
	Sales / Sei	vice Rep	resentative	e:									
	Commer												
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			1	1	1	L	1	l					
	ATTENDE						-						
	ATTENDE Manufactur Pump						Customer Company:			Sales / Service Rep. Company:			
	Manufactur Pump Motor	er Rep.:	PI Flush Pla	0			Company: Location:		#				