							JOB NO 7T04									
● ◎ ■ □							PROJECT	ECT ERC 12345								
CENTRIFUGAL PUMP PROCESS DATA							DOC. NO.	O. 7T04-PR-21-DS-505								
							ITEM NO									
( METRIC UNITS )																
CI	LIENT Y	onsei					SERVICE PAGE								REV.	
LC	OCATION Kor	OVERFLASH PUMPS 1 OF 1							1	14						
01	PUMP TYPE			REQUIRED TYPE: HORIZONTAL												
02	DRIVER TYPE	STAND-BY : MOTOR														
03	NO. REQUIRED OPERATING : ONE						STAND-BY : ONE (NOTE 3)									
04	DUTY	DUTY CONTINUOUS IN						TERMITTENT @ APPROX. hr/yr								
05																
06		-			PR	OCES	SS REQUIREMENT									
07	OPERATING CASE						AM FE	ED	AH FE	ED						
08	LIQUID NAME						OVERFL	ASH	OVERFL	ASH						
09	NORMAL						384		384							
10	PUMPING TEMP	MAXIMUM	1													
11		MINIMUM														
12	VAPOR PRESSU	@ NOR. F	T	0.07	1	0.07	3									
13						Т										
14	SPECIFIC GRAV	@ NOR. F		0.77	7	0.77	7									
15		@ MIN. PT														
	VISCOSITY (cP)						1.0		1.0							
17	CAPACITY (m3/hr) @PT: NORMAL						71.1		70.4							
18					RATED		101 (NO	,	100 (NO	,						
	SUCTION PRESSURE (kg/cm2g)				RATED		1.0		1.0							
20		MAX. RATED FLO		5.9		6.0										
	DISCHARGE PR	17.1		17.1												
	DIFFERENTIAL F	16.1 207		16.1												
	DIFFERENTIAL HEAD (m)								207							
	NPSH AVAILABL	> 8		> 8												
	CORROSION/ER	Sulfur (3.2	6 wt%)	Sulfur (3.2	5 wt%)											
	SOLID SIZE, WT%															
27																
28			0.4.0111	_			THERS			0 (1101	<b>D</b> )				14	
29	CASING IMPELLED					API CLAS <mark>S A-8 <del>(HOLD)</del></mark>										
	MATERIAL SELECTION IMPELLER				API CLAS <mark>S A-8 (HOLD)</mark>										14 14	
31	SHAFT CORROSION ALLOWANCE (mm)						API CLAS <mark>S A-8 <del>(HOLD)</del></mark>									
	METHOD OF ST.															
	PUMPING LIQUII	■ MANUAL       □ AUTOMATIC         ■ FLAMMABLE       □ SOLIDIFICATION AS AMB.														
35																
		SULATION STEAM TRACING STEAM JACKET														
	INSULATION REQUIREMENT INSULATION INDOOR						■ OUTDOOR □ UNDER ROOF									
	LEAKAGE PERM		■ NO													
	ESTIMATED SHU			2g)	☐ YES		27.0									
	DRIVER STEAM	, 5 0,							@							
41	CONDITIONS								@							
42	NOTES :															
43	1. NPSHA IS	1. NPSHA IS BASED ON TOP OF FOUNDATION ( 0.3 METER FROM GRADE)														
44	2. DESIGN FL	2. DESIGN FLOW RATE FOR UNIT TURNDOWN OPERATION IS BASED ON 50% OF AH FEED.														
45	MINIMUM CONTINUOUS FLOW SHALL BE BELOW 35 m3/h.															
46	3. START-UP	3. START-UP CONDITION														
47	FLUID : GA	S OIL, (	OPER. TEM	MP. = 5	DEG C, I	LOWF	RATE = 35.	7 M3/HI	R							
48	DENSITY:	810 KG	i/M3													
49	4. THE TWO	4. THE TWO PERCENT OF ADDITIONAL OVERDESIGN IS APPLIED ON THE RATED FLOW FOR THE PROVISION OF														
50	SLOP OIL PROCESSING.															
51	5. MDMT = 2	°C														
52																
53			-					•	-				-			
	REVISION 10 11						11A		11B		12		13		14	
	DATE 2008-06-27 2008-07-11						0-06-18		0-09-08		1-01-26		2-08-14		2-12-26	
BY/CHECKED HJL/SKL WSJ				I / WGK	W.II	C/WGK	I W.JŁ	C/WGK	W.Jk	(/WGK	i tsi	_/ DHP	TSI	/ DHP		