

SYNERGY PROCESS SYSTEMS				Client	
TUBULAR EXCHANGER DATA SHEET				Location	
Job				Item No.	
Item Name				Number	
4	PERFORMANCE DESIRED OF ONE UNIT				
5	Fluid Allocation	Shell-side		Tube-side	
6	Fluid Name				
7	Fluid Flow -	Total	kg/hr		
8		Vapor	kg/hr		
9		Liquid	kg/hr		
10		Steam	kg/hr		
11		Noncondensables	kg/hr		
12	Fluid vaporized or condensed		kg/hr		
13	Steam condensed		kg/hr		
14	STREAM PROPERTIES			In	Out
15	Bulk Properties	Density	kg/m ³	/	/
16		Viscosity	cP	/	/
17		Thermal Conductivity	kCal/hr.m.°C	/	/
18		Specific Heat	kCal/kg.°C	/	/
19		Latent Heat	kCal/kg	/	/
20		Molecular Weight		/	/
21	Film Properties	Density	kg/m ³	/	/
22		Viscosity	cP	/	/
23		Thermal Conductivity	kCal/hr.m.°C	/	/
24		Specific Heat	kCal/kg.°C	/	/
25	Temperature		°C	/	/
26	Inlet Pressure		kg/cm ² (a)		
29	Pressure Drop (Allowable)		kg/cm ²	/	/
30	Fouling Factor		m ² .hr.°C/KCal		
31	Heat exchanged		KCal/hr	Mean Temp. Diff. (corrected)	°C
32	Transfer Rate (Service)		KCal/hr.m ² .°C	Transfer Rate (Clean)	KCal/hr.m ² .°C
33	CONSTRUCTION OF ONE SHELL				
34	Design Pressure		kg/cm ² (g)		
35	Test Pressure		kg/cm ² (g)		
36	Design Temperature		°C		
37	No. of tubes -	O.D.-	Tk.-	Length-	Pitch- mm
38	Shell I.D.-	O.D.-	Baffle Config. -		
51	Remarks:				
52	Any limitation / preferences for tube moc, length, diameter and thk. ?				
53	% Overdesign required ?				
54					
55					
56					