BIPHENYL TUBULAR UNIT

RUN 22 RECYCLE RUN

SERIES TIME DATE	REFLUX GLC % ϕ_2	FEED GLC % ϕ_2	PASS	CONVERSION GLC % ϕ_2	CONVERSION GLC % ϕ_x	CONV DIST	% WT % ϕ_2	% ϕ_x IN % P ϕ_3	DIST. BOTTOMS % M ϕ_3	DIST. BOTTOMS % P ϕ_3	DIST. BOTTOMS % ϕ_4 +	$\phi_{>4}/\phi_{<4}$
22/6/15	5.8	6.8	B	13.7	15.2	16.1	82.8	2.0	8.5	4.7	2.1	7.15
1700	AFTERNOON DIST, FROM CONV. DIST			0.06%				2.1	13.7		0.[illegible]	
24/6/15	4.2	4.8	4.4 ST. A	13.3	14.5	14.6	84.5	1.4	8.2	4.1	1.8	
1800	RC 5.7	RC 6.9	DIST 5.8			RC 14.9	87.2	1.5	9.6		1.5	
25/6/15	6.1	5.5	B	14.9	16.3	16.0			11.5			
2200				RC 13.8	15.4				11.1			
26/6/15	5.9	6.2	A	14.9	16.5	16.1	84.4	1.8	7.8	3.9	2.0	
0200						16.8	13.1	2.2			[illegible]	
27/6/15	7.7	9.4	B	15.0	16.5	15.9	82.7	2.0	8.0	4.3	3.0	
0600	RC 8.3	7.7			RC 16.7		13.1	2.3	13.4		[illegible]	
*28/6/15	7.4	8.2	6.1 ST A	14.6	16.2	16.0	84.3	1.6	7.8	4.2	2.0	
1000		BY DIST. 7.0	← 0.04% ϕ_2 IN DIST.			RC 16.1	85.3	1.6	11.3		1.7	
29/6/15	8.6	8.0	6.1 ST B	14.0	15.3	15.2	84.7	1.6	7.1	4.0	2.6	
1400		BY DIST. 6.6	← 0.04% ϕ_2 IN DIST.			RC 14.8	86.9	1.9	9.9		1.5	
30/6/15	5.7	6.4	6.1 A	13.4	14.7	15.8	84.7	1.8	7.9	3.6	2.0	
1800	RC 6.0	RC 6.1				RC 14.4						
31/6/15	6.0	6.3	B	13.9	15.3	16.2	84.0	1.8	7.8	4.4	2.0	
2200												
32/6/17	5.1	6.3	A	13.4	14.8	14.8	85.6	2.0	7.3	3.8	1.3?	
0200									13.9		VPC OPER. QUEST.	
*33/6/17	5.4	6.7	5.9 B	13.2	14.6	15.1	83.6	1.9	8.0	4.0	2.4	5.8
0600							85.9	1.6	10.4		1.5	
34/6/17	6.0	6.2	5.9 A	13.2	14.7	14.2	83.4	1.8	8.2	4.2	2.5	
1000	RC 5.8	RC 6.3			RC 14.6		86.9	1.5	10.2		1.3	
35/6/17	6.2	6.3	B	13.0	14.5	14.6	84.9	1.5	7.5	4.3	1.8	
1400	RC 6.4	RC 6.5			RC 15.1							
[illegible]	7.2	6.4	A	14.2	15.8	15.4						
18[illegible]	RC 7.1	RC 6.2			15.7	1						
37[illegible]	6.4	7.6	B	15.3	16.8	15.0						
22[illegible]	6.7	7.7		RC 14.9	RC 16.6							
38/6/15	7.5	7.6	A	15.8	17.2	15.5						
0200	RC 8.0	RC 7.9		RC 15.5	RC 17.0							
39/6/15	9.35	9.0	B	15.6	17.1	14.5			13.4			
0600												
[illegible]/6/18	9.2	8.1	6.25 STL A	14.1	15.2	15.0	84.8	1.5	8.4	3.5	1.8	
1000							87.2	1.8	9.4		1.6	
									11.8			

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[illegible] - 2
[illegible] RUN 22

BIPHENYL TUBULAR UNIT
RECYCLE RUN

SERIES TIME DATE	REFLUX GLC % ϕ_2	FEED GLC % ϕ_2	PASS	CONVERSION GLC % ϕ_3	CONVERSION GLC % ϕ_x	CONV DIST % ϕ_x	WT. % ϕ_2	% ϕ_x IN DISTILLATION BOTTOMS % O-ϕ_3	% H ϕ_3	% P ϕ_3	% ϕ_4	ϕ_{24}/ϕ_{24}
6/6/[illegible]	7.05	7.1	B	13.4	14.80	21.5						
2400	RC 7.4			RECHECK 13.5	15.1							
7/6/13	7.6	6.0	A	15.2	17.4	15.7						
0200		RC 7.0										
8/6/[illegible]	7.6	7.5	B	13.3	14.6	15.4						
0600		RC 9.3										
9/6/[illegible]	6.0	5.8	A	16.0	17.9	17.3						
1000												
No Series			A		13.7	15.0						
1300			B		12.8	14.9						
10/6/13	6.7	8.1	B		20.2	22.6						
1400		RC 8.1										
No Series			A			15.7						
1800			B			15.6						
11/6/13		RC 7.8	B	12.4	13.8							
1800	6.9	6.4	A	13.8	15.0							
12/6/13	5.4	6.2										
2200												
13/6/14	5.6	5.8										
0200												
14/6/14			A	14.9	16.6	15.3						
0600			B	15.5	17.6	15.8						
[illegible]/6/14	5.5	6.1										
0600												
16/6/14	5.6	7.0	A	15.8 ~~17.5~~	17.5	15.1	84.7	1.9	7.4	4.2	1.8	
1000			B	16.4	17.3	16.4	12.8	2.0	13.5		0.3	
17/6/14	11.5	4.7										
1400	RC 6.5	RC 8.2										
18/6/14	6.7	10.2	A			15.6						
1800		RC 7.8										
19/6/14	6.1	9.5	B		11.2							
2200		RC 8.5		RC 15.8	17.9							
20/6/15	6.8	6.2	A	14.6	16.2	16.1	83.2	1.9	8.2	4.7	1.9	
0200							13.4	2.4	14.3		0.3	
[illegible]/6/15	6.4	6.6	B	14.1	15.5	15.8						
0600							13.3	2.2	12.[illegible]		0.5	
22/6/15	6.8	6.9	A	14.8	16.3	16.0	83.2	1.8	8.6	3.4	3.0	✓
[illegible]		DIST 6.9	6.6 ST				81.9	1.9	14.1		2.2	

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