

APPENDIX C

Fischer-Tropsch III Product Hydrocarbon Analysis

F-T III Light HC Product Analysis			
Sample ID (SSFI)		#6	
Date		11/04/96	
Condition		from trailer	
(Carbon distribution by capillary GC)			
Carbon No.	%w	Carbon No	%w
1	0.020	26	0.513
2	0.010	27	0.509
3	0.030	28	0.310
4	0.318	29	0.156
5	1.888	30	0.100
6	5.178	31	0.060
7	8.726	32	0.043
8	10.664	33	0.030
9	10.962	34	0.021
10	10.425	35	0.007
11	9.382	36	0.007
12	8.368	37	0.005
13	7.285	38	0.002
14	6.152	39	0.000
15	4.989	40	0.000
16	3.955	41	0.000
17	2.991	42	0.000
18	2.435	43	0.000
19	1.769	44	0.000
20	1.441	45	0.000
21	1.173	46	0.000
22	0.904	47	0.000
23	0.934	48	0.000
24	0.871	49	0.000
25	0.632	50	0.000

F-T III Light HC Product Analysis						
Sample ID (SSFI)		#6				
Date		11/04/96				
Condition		from trailer				
(Olefins and alcohols content per carbon number by capillary GC)						
Assumption: all unidentified GC peaks are assumed iso-paraffins						
Type	n-paraffins	iso-paraffins	1-alcohol	1-olefin	2-olefin	total
Carbon No.	%w	%w	%w	%w	%w	%w
4	37.5	0.0	40.6	15.6	6.3	100.0
5	44.7	2.1	18.9	29.5	4.7	100.0
6	45.9	2.9	9.4	37.4	4.4	100.0
7	46.5	3.5	6.0	40.4	3.5	100.0
8	45.8	4.7	4.8	41.6	3.3	100.0
9	45.9	6.1	4.0	40.7	3.4	100.0
10	47.4	6.3	3.9	38.5	3.9	100.0
11	51.1	6.3	2.9	36.2	3.6	100.0
12	53.7	6.2	2.7	33.1	4.3	100.0
13	56.6	7.6	3.3	27.8	4.6	100.0
14	59.5	9.2	3.4	23.1	4.8	100.0
15	62.2	10.6	3.0	19.1	5.2	100.0
16	63.3	9.5	3.0	19.1	5.0	100.0
17	68.8	9.6	0.0	16.9	4.7	100.0
18	65.3	15.1	0.0	13.9	5.7	100.0
19	68.0	13.5	0.0	11.8	6.7	100.0
20	66.9	21.4	0.0	7.6	4.1	100.0

F-T III Product Wax Analysis

(Carbon distribution of wax samples by high temp. GC)

Sample ID (SSFI)	#7	#8	Sample ID (SSFI)	#7	#8
Date	10/18/1996 9:15	10/16/1996 9:30	Date	10/18/1996 9:15	10/16/1996 9:30
Type	light ex 27.13	heavy ex 28.30	Type	light ex 27.13	heavy ex 28.30
Condition	15.1	15.1	Condition	15.1	15.1
Carbon No.	%w	%w	Carbon No.	%w	%w
11	0.0292	0.0016	56	0.0226	0.2959
12	0.0592	0.0156	57	0.0576	0.2872
13	0.2536	0.0549	58	0.0169	0.2786
14	0.8522	0.1487	59	0.0326	0.2493
15	1.8564	0.2805	60	0.0257	0.2378
16	2.9731	0.4455	61	0.0296	0.2206
17	4.1722	0.6375	62	0.0194	0.2129
18	5.241	0.8575	63	0.0161	0.1991
19	5.8694	1.1388	64	0.0138	0.1906
20	5.9348	1.3266	65	0.0135	0.181
21	6.0465	1.5325	66	0.0029	0.1776
22	6.8166	1.7861	67	0.0052	0.1663
23	7.3826	2.0485	68	0.004	0.1616
24	6.4555	2.3427	69	0.0039	0.1508
25	5.5545	3.019	70	0.0037	0.1468
26	6.018	6.7933	71	0.003	0.1405
27	11.5451	22.9744	72	0.0018	0.137
28	6.9542	10.7298	73	0.0027	0.133
29	2.2515	2.649	74	0.0026	0.1306
30	1.7879	2.4019	75	0.0017	0.1245
31	1.5409	2.3021	76	0.0012	0.1224
32	1.3263	2.3587	77		0.1174
33	1.455	3.549	78		0.1115
34	0.5816	6.6754	79		0.1128
35	1.6085	2.1632	80		0.1043
36	1.503	1.6353	81		0.106
37	0.6079	1.3106	82		0.1011
38	0.4422	1.1821	83		0.1013
39	0.3741	1.0967	84		0.0995
40	0.3294	1.0783	85		0.0932
41	0.2665	0.9347	86		0.0936
42	0.219	0.821	87		0.092
43	0.1783	0.7332	88		0.0851
44	0.2174	0.7701	89		0.0854
45	0.1545	0.64	90		0.081
46	0.1398	0.6078	91		0.0785
47	0.122	0.5752	92		0.0769
48	0.1054	0.5362	93		0.0762
49	0.0937	0.4958	94		0.0754
50	0.0784	0.4585	95		0.0707
51	0.0688	0.4217	96		0.0707
52	0.0551	0.3897	97		0.0692
53	0.0533	0.365	98		0.0601
54	0.0449	0.337	99+		1.1527
55	0.0431	0.3195	Total	99.9431	99.9999

F-T III Total Carbon Distribution				
(Combined purge gas, light hydrocarbon and wax in production ratio)				
Condition	15.1C		15.1C	
Light HC	Sample #6		Sample #6	
Heavy Wax	Sample #8		Sample #8	
Carbon No.	%w		Carbon No.	
1	15.318		51	0.120
2	1.906		52	0.110
3	6.411		53	0.103
4	6.157		54	0.096
5	5.776		55	0.091
6	4.702		56	0.084
7	4.221		57	0.081
8	3.652		58	0.079
9	3.373		59	0.071
10	3.208		60	0.067
11	2.887		61	0.063
12	2.579		62	0.060
13	2.257		63	0.056
14	1.935		64	0.054
15	1.615		65	0.051
16	1.343		66	0.050
17	1.101		67	0.047
18	0.992		68	0.046
19	0.867		69	0.043
20	0.819		70	0.042
21	0.795		71	0.040
22	0.784		72	0.039
23	0.868		73	0.038
24	0.932		74	0.037
25	1.050		75	0.035
26	2.083		76	0.035
27	6.668		77	0.033
28	3.136		78	0.032
29	0.799		79	0.032
30	0.712		80	0.030
31	0.671		81	0.030
32	0.682		82	0.029
33	1.015		83	0.029
34	1.898		84	0.028
35	0.615		85	0.026
36	0.466		86	0.027
37	0.373		87	0.026
38	0.336		88	0.024
39	0.311		89	0.024
40	0.306		90	0.023
41	0.265		91	0.022
42	0.233		92	0.022
43	0.208		93	0.022
44	0.218		94	0.021
45	0.181		95	0.020
46	0.172		96	0.020
47	0.163		97	0.020
48	0.152		98	0.017
49	0.141		99+	0.327
50	0.130		total	100.000