

Appendix F
Blend Descriptions

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Fischer Tropach Products Upgrading Complex
Base Case / Gasoline Blend

Complex Flow Rates		Total Gasoline Pool Properties	
	MT/D	Flow Rate MT/D	1391.5
		Flow Rate KG/D	1953.5
Feed to Once Thru Panex	.0	Flow Rate BPSD	12286
Feed to Panex-Molex	551.2	Specific Gravity	.712
Feed to CCR Platforming Unit		RONC	93.5
RONC = 95	1042.2	MONC	85.9
MONC = 90	.0		
Poly Gasoline from		(R + M) / 2	89.7
Catalytic Condensate Unit	100.7	RVP	10.5

Unit	Panex w/ Recycle	Platforming RONC = 95	Cat Con
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Feeds

Liquid Feed	MT/D	551.2	1042.2
N2 to Unit	MT/D	.1	.0
			
Total to Unit	MT/D	551.4	1042.2

Products

N2	MT/D	.0	23.6	
Fuel Gas	MT/D	.3	172.3	
LPG	MT/D	2.6	104.0	
Liquid Prod	MT/D	548.4	742.4	100.7
				
Total from Unit	MT/D	551.4	1042.2	100.7

Gasoline Blend Stock Properties

Flow Rate	MT/D	548.4	742.4	100.7
Flow Rate	KG/D	853.5	964.2	133.5
Flow Rate	BPSD	5381	6065	840
Specific Gravity		.6410	.7699	.7539
API Gravity		89.2	52.3	56.2
RVP		14.6	6.6	5.9
MW		78.4	93.3	95.5

Fischer Tropsch Products Upgrading Complex
Alternate Case / Gasoline Blend

Complex Flow Rates		Total Gasoline Pool Properties	
	MT/D	Flow Rate MT/D	683.6
Feed to Once Thru Penex	.0	Flow Rate KG/D	990.0
Feed to Penex-Molex	382.1	Flow Rate BPSD	6226
Feed to CCR Platforming Unit		Specific Gravity	.691
RONC = 95	284.6	RONC	92.2
RONC = 90	.0	MONC	86.0
Poly Gasoline from Catalytic Condensate Unit	100.7	(R + M) / 2	89.1
		RVP	11.7

Unit		Penex w/ Recycle	Platforming Ronc =95	Cat Con
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Feeds

Liquid Feed	MT/D	382.1	284.6	
N2 to Unit	MT/D	.1	.0	
		-----	-----	
Total to Unit	MT/D	382.2	284.6	

Products

N2	MT/D	.0	6.4	
Fuel Gas	MT/D	.2	47.0	
LPG	MT/D	1.8	28.4	
Liquid Prod	MT/D	380.2	202.7	100.7
		-----	-----	-----
Total from Unit	MT/D	382.2	284.6	100.7

Gasoline Blend Stock Properties

Flow Rate	MT/D	380.2	202.7	100.7
Flow Rate	KG/D	593.1	263.3	133.5
Flow Rate	BPSD	3730	1656	840
Specific Gravity		.6410	.7699	.7539
API Gravity		89.2	52.3	56.2
RVP		14.4	6.6	5.9
MW		78.4	93.3	95.5
RONC		89.0	95.0	90.0
MONC		87.3	84.5	80.5

Hydrocracked Distillate Properties

Cut Description	deg F	Total	18F-350	350-400	400-450	450-500	500-650	650-700
Flow Rate	WT/D	2914.0	757.7	174.8	204.0	174.8	582.8	1019.9
Wt% of Total		100.0	26.0	6.0	7.0	6.0	20.0	35.0
Flow Rate	M3/D	3811.1	1078.4	232.4	267.0	226.0	740.1	1267.1
Vol% of Total		100.0	28.3	6.1	7.0	5.9	19.4	33.2
API		48.4	69.9	56.6	53.7	51.4	48.2	44.3
S.G.		.7865	.7825	.7523	.7640	.7736	.7874	.8049
ASTM Distillation								
IBP	deg F	122	117	348	402			
10%	" "	230	154	360	412			
30%	" "	406	199	365	417			
50%	" "	534	237	370	421	475	575	675
70%	" "	619	284	378	428			
90%	" "	676	329	394	439			
95%	" "	700	349	405	446			
EP	" "	700	387	435	468			
Octane Number		74						
Octane Index (calc'd)		74.5	46.2	62.8	68.5	73.3	77.7	73.1
Octane Index (vol avg)		65.4						
Flash Point	deg F	135	30	136	174	210	260	360
Flash Point Index (calc'd)		181.8	22977	175.2	48.08	16.39	4.40	.49
Flash Point Index (vol avg)		7649						
Flash Point	deg F	52						
Pour Point	deg F	10	-75	-75	-75	-35	-10	15
Pour Point Index (calc'd)		9.85	1.96	.82	.60	2.00	3.55	6.28
Pour Point Index (wt avg)		3.63						
Pour Point	deg F	-14						
Viscosity	cSt		.572	1.15	1.35	2.09	3.59	8.52
Viscosity Index (calc'd)			-9.25	5.42	9.32	12.36	16.53	22.15
Viscosity Index (wt avg)		10.37						
Viscosity	cSt	1.71						
Smoke Point	mm			>50	>50	>50	>50	>50
Freeze Point	deg F			<-65				>+68

Note : Analytical results in normal print are actual laboratory data.
Analytical results in bold print are estimated or calculated.

F-T Condensate Distillate Properties

Cut	deg F	Total	1BP-350	350-400	400-450	450-500	500-650	650-700
Flow Rate	MT/D	1770.0	283.2	106.2	123.9	212.4	442.5	601.8
Wt% of Total		100.0	16.0	6.0	7.0	12.0	25.0	34.0
Flow Rate	M3/D	2206.2	388.9	141.2	162.4	275.0	562.9	675.8
Vol% of Total		100.0	17.6	6.4	7.4	12.5	25.5	30.6
API		48.3	62.8	56.7	54.0	51.7	48.5	27.4
s.g.		.7870	.7283	.7519	.7628	.7724	.7861	.8905
ASTM Distillation								
IBP	deg F	302	158	351	394			
10%	" "	379	223	356	397			
30%	" "	473	253	361	399			
50%	" "	540	271	365	401	475	575	675
70%	" "	603	293	367	403			
90%	" "	689	316	374	406			
95%	" "	698	338	381	412			
EP	" "	.	358	392	432			
Cetane Number								
Cetane Index (calc'd)		74.9	43.6	61.7	64.7	74.0	78.3	44.5
Cetane Index (vol avg)		59.2						
Flash Point	deg F	102	30	132	168	208	265	345
Flash Point Index (calc'd)		670.9	26977	203.1	58.27	17.35	3.89	.66
Flash Point Index (vol avg)		4776						
Flash Point	deg F	61						
Pour Point	deg F	80	-75	-35	-10	20	60	125
Pour Point Index (calc'd)		188.06	1.55	3.36	6.91	17.06	79.74	1738.27
Pour Point Index (wt avg)		555.92						
Pour Point	deg F	106						
Viscosity	cSt		.572	1.19	1.56	2.13	3.54	8.52
Viscosity Index (calc'd)			-9.25	5.92	9.39	12.53	16.44	22.15
Viscosity Index (wt avg)		12.68						
Viscosity	cSt	2.16						
Smoke Point	mm			>50	>50	>50	>50	>50
Freeze Point	deg F			-30	-3	25	65	

Note : Analytical results in normal print are actual laboratory data.
Analytical results in bold print are estimated or calculated.

Diesel Hydrotreater Distillate and LCO Properties

Cut	deg F	Total	LCO 1	LCO 2	LCO 3
Flow Rate	MT/D	246.8	1000.0	1000.0	1000.0
Wt% of Total		100.0	100.0	100.0	100.0
Flow Rate	MT/D	316.4	1078.4	1043.1	1029.0
Vol% of Total		100.0	100.0	100.0	100.0
API		49.9	21.1	16.1	14.1
S.G.		.7800	.9273	.9587	.9718
ASTM Distillation					
10P	deg F	329	437	435	477
10%	" "		504	496	513
30%	" "		550	534	554
50%	" "	406	572	559	592
70%	" "		601	595	637
90%	" "		640	644	687
95%	" "		662	660	702
EP	" "	482	689	693	723
Cetane Number		30	27	21	17
Cetane Index (calc'd)		57.0	31.4	26.5	26.6
Cetane Index (vol avg)					
Flash Point	deg F	126	163	204	191
Flash Point Index (calc'd)		255	69	19	28
Flash Point Index (vol avg)					
Flash Point	deg F				
Pour Point	deg F	-60	10	0	-25
Pour Point Index (calc'd)		1.13	9.39	5.91	1.65
Pour Point Index (wt avg)					
Pour Point	deg F				
Viscosity	cSt	1.2	3.343	3.932	3.226
Viscosity Index (calc'd)		6.04	16.05	17.13	15.80
Viscosity Index (wt avg)					
Viscosity	cSt				
Smoke Point	mm	>25	6	5	4
Freeze Point	deg F	<-75	24	29	17
Aromatics	wt%		63.8	72.6	79.1
Paraffins + Naphthenes	wt%		36.2	20.6	18.2
Olefin	wt%			6.8	2.7

Note:

Analytical results in normal print are actual laboratory data.

Analytical results in bold print are estimated or calculated.

Blended Diesel Product to Compare With Laboratory Data / 0% LCO in Blend

	Wt% of Cut	Flow Rate MT/D	Wt% M3/D	Flow Rate Vol%	API	s.g.	50% pt deg F	Cetane Index	Flash Point deg F	Pour Point deg F	Viscosity cSt @ 100 F
Hydrocracked Distillate											
1BP-350	0	0	.0	0	.0	#VALUE!#DIV/0!	237	46.2	30	-75	.57
350-400	100	141.2	4.9	187.7	5.1	56.6 .7523	370	62.8	136	-75	1.15
400-450	100	164.7	5.7	215.6	5.9	53.7 .7640	421	68.5	174	-75	1.55
450-500	100	141.2	4.9	182.5	5.0	51.4 .7736	475	73.3	210	-35	2.09
500-650	100	470.5	16.4	597.6	16.3	48.2 .7874	575	77.7	260	-10	3.59
650-700	100	823.4	28.7	1023.0	27.9	44.3 .8049	675	73.1	360	15	8.52
Total		1741.0	60.6	2206.3	60.2						

F-T Hot+Cold Condensate

1BP-350	0	0	.0	0	.0	#VALUE!#DIV/0!	271	43.6	30	-75	.57
350-400	100	106.2	3.7	141.2	3.9	56.7 .7519	365	61.7	132	-35	1.19
400-450	100	123.9	4.3	162.4	4.4	54 .7628	401	64.7	168	-10	1.56
450-500	100	212.4	7.4	275.0	7.5	51.7 .7724	475	74.0	208	20	2.13
500-650	100	442.5	15.4	562.9	15.4	48.5 .7861	575	78.3	265	60	3.54
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!	675	44.5	345	125	8.52
Total		885.0	30.8	1141.6	31.2						

Distillate Hydrotreater Product

Total	100	246.8	8.6	316.4	8.6	49.9 .7800	406	57.0	126	-60	1.20
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Light Cycle Oil

LCO 1	.0	.0	.0	0	.0	#DIV/0!	0	572	31.4	163	10	3.34
LCO 2	.0	.0	.0	0	.0	#DIV/0!	0	559	26.5	204	0	3.93
LCO 3	.0	.0	.0	0	.0	#DIV/0!	0	592	26.6	191	-25	3.23
Total		.0	.0	0	.0	#VALUE!#DIV/0!						

Other Components

1
2

Total	0	0	0	0							
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The blend properties shown below were
calculated without correction factors

*****	*****										
Blended Diesel Product	2872.8	100.0	3664.2	100.0	49.0	.7840	543	72	174	23	2.9
Laboratory Data					48.2		559	>74	186	13	3.5

Blended Diesel Product to Compare With Laboratory Data / 40% LCD in Blend

	Wt% of Cut	Flow Rate MT/D	Flow Rate Wt% MS/D	Flow Rate Vol%	API	s.g.	50% pt deg F	Cetane Index	Flash Point deg F	Pour Point deg F	Viscosity cSt @ 100 F
Hydrocracked Distillate											
180-350	0	0	.0	0	.0	0.8616	237	45.2	30	-75	.57
350-400	100	141.2	2.9	187.7	3.3	0.866	370	62.8	136	-75	1.15
400-450	100	164.7	3.4	215.6	3.8	0.867	421	68.5	174	-75	1.55
450-500	100	141.2	2.9	182.3	3.2	0.8736	475	73.3	210	-35	2.09
500-650	100	470.3	9.8	597.6	10.5	0.874	575	77.7	260	-10	3.90
650-700	100	823.4	17.2	1023.6	18.0	0.8749	675	73.1	360	15	8.52

Total 1741.0 36.4 2206.3 38.9

F-T Hot-Cold Condensate

180-350	0	0	.0	0	.0	0.8616	271	43.8	30	-75	.57
350-400	100	106.2	2.2	141.2	2.5	0.867	365	61.7	132	-35	1.19
400-450	100	123.9	2.6	162.4	2.9	0.868	401	64.7	168	-10	1.56
450-500	100	212.4	4.4	275.0	4.8	0.8724	475	74.0	208	20	2.13
500-650	100	442.5	9.2	562.9	9.9	0.8761	575	78.3	265	40	3.54
650-700	0	0	.0	0	.0	0.8616	675	44.5	345	125	8.52

Total 885.0 18.5 1141.6 20.1

Distillate Hydrocracker Product

Total	100	246.0	5.2	316.4	5.6	0.8600	406	57.0	126	-60	1.20
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Light Cycle Oil

LCO 1	63.8	638.4	13.3	688.5	12.1	0.8773	572	31.4	163	10	3.34
LCO 2	63.8	638.4	13.3	665.9	11.7	0.8787	559	26.9	204	0	3.93
LCO 3	63.8	638.4	13.3	656.9	11.6	0.8718	592	26.4	191	-25	3.23

Total 1915.2 40.0 2011.3 35.4 17.1 .8922

Other Components

1
2

Total	0	0	0	0
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The blend properties shown below were calculated without correction factors

Blended Diesel Product											
	4782.0	100.0	5675.5	100.0	36.2	.8436	543	72	174	23	2.9
Laboratory Data					36.5		540	55	187	10	3.2
Blended Diesel Product (with correction factors)					36.2		555	55	184	5	3.3

Blended Diesel Product to Compare With Laboratory Data / 60% LCD in Blend

	Wt%	Flow Rate	Flow Rate	API	s.g.	50% pt	Cetane	Flash	Pour	Viscosity
	of Cut	MT/D	Wt%	M3/D	Vol%		Index	Point	Point	cSt
						deg F		deg F	deg F	@ 100 F
Hydrocracked Distillate										
IBP-350	0	0	.0	0	.0	#VALUE!#DIV/0!	237	46.2	30	-.75
350-400	100	141.2	2.0	187.7	2.3	56.6 .7523	370	62.8	136	-.75
400-450	100	164.7	2.3	215.6	2.6	53.7 .7640	421	68.5	174	-.75
450-500	100	141.2	2.0	182.5	2.2	51.4 .7736	475	73.3	210	-.35
500-650	100	470.5	6.6	597.6	7.3	48.2 .7874	575	77.7	260	-10
650-700	100	823.4	11.5	1023.0	12.5	44.3 .8049	675	73.1	360	15

Total 1741.0 24.2 2206.3 26.9

F-7 Hot-Cold Condensate

IBP-350	0	0	.0	0	.0	#VALUE!#DIV/0!	271	43.6	30	-.75
350-400	100	106.2	1.5	141.2	1.7	56.7 .7519	365	61.7	132	-.35
400-450	100	123.9	1.7	162.4	2.0	54 .7628	401	64.7	168	-10
450-500	100	212.4	3.0	275.0	3.4	51.7 .7724	475	74.0	208	20
500-650	100	442.5	6.2	562.9	6.9	48.5 .7861	575	78.3	265	60
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!	675	44.5	345	125

Total 885.0 12.3 1141.6 13.9

Distillate Hydrotreater Product

Total 100 246.8 3.4 316.4 3.9 49.9 .7800 406 57.0 126 -60 1.20

Light Cycle Oil

LCO 1	143.6	1436.4	20.0	1549.1	18.9	21.1 .9275	572	31.4	163	10
LCO 2	143.6	1436.4	20.0	1498.3	18.3	16.1 .9587	559	26.5	204	0
LCO 3	143.6	1436.4	20.0	1478.0	18.0	14.1 .9718	592	26.6	191	-25

Total 4309.2 60.0 4525.4 55.3 17.1 .9522

Other Components

1
2

Total 0 0 0 0

The blend properties shown below were
calculated without correction factors

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Blended Diesel										
Product	7182.0	100.0	8189.7	100.0	29.9	.8770	562	48	178	12
Laboratory Data					30.2		541	45	184	0

Jet A Blend

	Wt%	Flow Rate	Flow Rate	API	s.g.	Centist	Flash	Pour	Viscosity
	of Cut	WT/D	WT/D	Vol%		Index	Point	Point	cSt
							deg F	deg F	@ 100 F
Hydrocracked Distillate									
18P-350	0	0	.0	0	.0	#VALUE!#DIV/0!	66.2	30	+.75
350-400	100	174.8	17.0	232.4	17.3	56.6	.7523	62.8	136
400-450	100	204.0	19.8	267.0	19.8	53.7	.7640	68.5	174
450-500	100	174.9	17.0	226.0	16.8	51.4	.7736	73.3	210
500-650	0	0	.0	0	.0	#VALUE!#DIV/0!	77.7	260	+.10
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!	73.1	360	15
Total		553.7	53.7	725.4	53.9				

F-T Hot-Cold Condensate

18P-350	0	0	.0	0	.0	#VALUE!#DIV/0!	43.6	30	+.75
350-400	100	106.2	10.3	141.2	10.5	56.7	.7519	61.7	132
400-450	100	123.9	12.0	162.4	12.1	54	.7625	64.7	168
450-500	0	0	.0	0	.0	#VALUE!#DIV/0!	74.0	208	20
500-650	0	0	.0	0	.0	#VALUE!#DIV/0!	78.3	265	60
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!	44.5	345	125
Total		230.1	22.3	303.7	22.6				

Distillate Hydrotreater Product

Total	100	244.8	23.9	316.4	23.5	49.9	.7800	57.0	126	+.60	1.20
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Light Cycle Oil

LCO 1	.0	.0	.0	0	.0	#DIV/0!	0	31.4	163	10	3.34
LCO 2	.0	.0	.0	0	.0	#DIV/0!	0	26.5	204	0	3.93
LCO 3	.0	.0	.0	0	.0	#DIV/0!	0	26.6	191	+.25	3.23
Total		.0	.0	0	.0	#VALUE!#DIV/0!					

Other Components

1											
2											
Total		0	0	0	0						

*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
Blended Jet											
Fuel Product	1030.6	100.0	1345.5	100.0	53.2	.7640	68	156	(51)	2.0	

JP-4 Blend A Product

	Wt%	Flow Rate	Flow Rate	API	s.g.	Cetane	Flash	Pour	Viscosity
	of Cut	MT/D	Wt%	MG/D	Vol%	Index	Point	Point	cSt
							deg F	deg F	@ 100 F
Hydrocracked Distillate									
1BP-350	0	0	.0	0	.0 #VALUE!#DIV/0!	46.2	30	-75	.57
350-400	100	174.8	20.4	232.4	20.8 56.6 .7523	62.8	136	-75	1.15
400-450	100	204.0	23.8	267.0	23.8 53.7 .7640	68.5	174	-75	1.55
450-500	0	0	.0	0	.0 #VALUE!#DIV/0!	73.3	210	-35	2.09
500-650	0	0	.0	0	.0 #VALUE!#DIV/0!	77.7	260	-10	3.59
650-700	0	0	.0	0	.0 #VALUE!#DIV/0!	73.1	360	15	8.52
Total		378.8	44.3	499.4	44.6				

F-T Bot+Cold Condensate

1BP-350	0	0	.0	0	.0 #VALUE!#DIV/0!	43.6	30	-75	.57
350-400	100	106.2	12.4	141.2	12.6 56.7 .7519	61.7	132	-35	1.19
400-450	100	123.9	14.5	162.4	14.5 54 .7628	64.7	168	-10	1.56
450-500	0	0	.0	0	.0 #VALUE!#DIV/0!	74.0	208	20	2.13
500-650	0	0	.0	0	.0 #VALUE!#DIV/0!	78.3	265	60	3.54
650-700	0	0	.0	0	.0 #VALUE!#DIV/0!	44.5	345	125	8.52
Total		230.1	26.9	303.7	27.1				

Distillate Hydrotreater Product

Total	100	246.8	28.8	316.4	28.3	49.9	.7800	57.0	126	-60	1.20
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Light Cycle Oil

LCO 1	.0	.0	.0	0	.0 #DIV/0!	0	31.4	163	10	3.34
LCO 2	.0	.0	.0	0	.0 #DIV/0!	0	26.5	204	0	3.93
LCO 3	.0	.0	.0	0	.0 #DIV/0!	0	26.6	191	-25	3.23
Total		.0	.0	0	.0 #VALUE!#DIV/0!					

Other Components

1										
2										
Total		0	0	0	0					

Blended Jet										
Fuel Product	855.7	100.0	1119.5	100.0	53.6	.7644	67	152	(53)	1.9

2P-4 Blend A Product with Naptha

	Wt%	Flow Rate	Flow Rate	API	A.g.	Cetane	Flash	Pour	Viscosity
	of Cut	WT/D	WT/D	Vol%		Index	Point	Point	cSt
							deg F	deg F	@ 100 F
Hydrotreated Distillate									
1BP-350	55.64	421.6	33.0	600.0	34.9	89.9	.7026	66.2	30
350-400	100	174.8	13.7	232.4	13.5	56.6	.7523	42.8	136
400-450	100	204.0	16.0	267.0	15.5	53.7	.7640	68.5	174
450-500	0	0	.0	0	.0	#VALUE!#DIV/0!		73.3	210
500-650	0	0	.0	0	.0	#VALUE!#DIV/0!		77.7	260
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!		73.1	360
Total		800.4	62.7	1099.4	63.9				
F-T Hot-Cold Condensate									
1BP-350	0	0	.0	0	.0	#VALUE!#DIV/0!		63.6	30
350-400	100	106.2	8.3	141.2	8.2	56.7	.7519	61.7	132
400-450	100	123.9	9.7	162.4	9.4	54	.7628	64.7	168
450-500	0	0	.0	0	.0	#VALUE!#DIV/0!		76.0	208
500-650	0	0	.0	0	.0	#VALUE!#DIV/0!		78.3	265
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!		44.5	345
Total		230.1	18.0	303.7	17.7				
Distillate Hydroreater Product									
Total	100	266.8	19.3	316.4	18.4	49.9	.7800	57.0	126
Light Cycle Oil									
LCO 1	.0	.0	.0	0	.0	#DIV/0!	0	31.4	163
LCO 2	.0	.0	.0	0	.0	#DIV/0!	0	26.5	204
LCO 3	.0	.0	.0	0	.0	#DIV/0!	0	26.6	191
Total		.0	.0	0	.0	#VALUE!#DIV/0!			
Other Components									
1									
2									
Total		0	0	0	0				

Blended Jet									
Fuel Product		1277.3	100.0	1719.5	100.0	59.0	.7428	61	60

JP-4 Blend B Product

	Wt%	Flow Rate	Flow Rate	API	s.g.	Cetane	Flash	Pour	Viscosity		
	of Cut	MT/D	Wt%	MS/D	Vol%	Index	Point	Point	cSt		
							deg F	deg F	@ 100 F		
Hydrocracked Distillate											
IBP-350	0	0	.0	0	.0	#VALUE!#DIV/0!	46.2	30	-75	.57	
350-400	100	174.8	62.2	232.4	62.2	56.6 .7523	62.8	136	-75	1.15	
400-450	0	0	.0	0	.0	#VALUE!#DIV/0!	68.5	174	-75	1.55	
450-500	0	0	.0	0	.0	#VALUE!#DIV/0!	73.3	210	-35	2.09	
500-650	0	0	.0	0	.0	#VALUE!#DIV/0!	77.7	260	-10	3.59	
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!	73.1	360	15	8.52	
Total		174.8	62.2	232.4	62.2						
F-T Hot+Cold Condensate											
IBP-350	0	0	.0	0	.0	#VALUE!#DIV/0!	43.6	30	-75	.57	
350-400	100	106.2	37.8	141.2	37.8	56.7 .7519	61.7	132	-35	1.19	
400-450	0	0	.0	0	.0	#VALUE!#DIV/0!	64.7	168	-10	1.56	
450-500	0	0	.0	0	.0	#VALUE!#DIV/0!	74.0	208	20	2.13	
500-650	0	0	.0	0	.0	#VALUE!#DIV/0!	78.3	265	60	3.54	
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!	44.5	345	125	8.52	
Total		106.2	37.8	141.2	37.8						
Distillate Hydrotreater Product											
Total	0	0	.0	0	.0	#VALUE!#DIV/0!	57.0	126	-60	1.20	
Light Cycle Oil											
LCO 1	.0	.0	.0	0	.0	#DIV/0!	0	31.4	163	10	3.34
LCO 2	.0	.0	.0	0	.0	#DIV/0!	0	26.5	204	0	3.93
LCO 3	.0	.0	.0	0	.0	#DIV/0!	0	26.6	191	-25	3.23
Total		.0	.0	0	.0	#VALUE!#DIV/0!					
Other Components											
1											
2											
Total		0	0	0	0						
=====											
Blended Jet											
Fuel Product		281.0	100.0	373.7	100.0	56.6 .7521	66	146	(61)	1.8	

JP-6 Blend B Product with Naphtha

	Wt%	Flow Rate	Flow Rate	API	s.g.	Cetane	Flash	Pour	Viscosity		
	of Cur	WT/D	Wt%	KG/D	Vol%	Index	Point	Point	cSt		
							deg F	deg F	@ 100 F		
Hydrocracked Distillate											
18P-35C	18.55	140.5	33.3	200.0	34.9	69.9	.7026	46.2	30	-75	.57
350-400	100	174.8	41.5	232.4	40.5	56.6	.7523	62.8	136	-75	1.15
400-450	0	0	.0	0	.0	#VALUE!#DIV/0!		68.5	174	-75	1.35
450-500	0	0	.0	0	.0	#VALUE!#DIV/0!		73.3	210	-35	2.09
500-650	0	0	.0	0	.0	#VALUE!#DIV/0!		77.7	260	-10	3.59
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!		73.1	360	15	8.52
Total		315.4	74.8	432.5	75.4						
F-T Hot+Cold Condensate											
18P-350	0	0	.0	0	.0	#VALUE!#DIV/0!		43.6	30	-75	.57
350-400	100	106.2	25.2	141.2	24.6	56.7	.7519	61.7	132	-35	1.19
400-450	0	0	.0	0	.0	#VALUE!#DIV/0!		64.7	168	-10	1.56
450-500	0	0	.0	0	.0	#VALUE!#DIV/0!		74.0	208	20	2.13
500-650	0	0	.0	0	.0	#VALUE!#DIV/0!		78.3	265	60	3.54
650-700	0	0	.0	0	.0	#VALUE!#DIV/0!		44.5	345	125	6.52
Total		106.2	25.2	141.2	24.6						
Distillate Hydrotreater Product											
Total	0	0	.0	0	.0	#VALUE!#DIV/0!		57.0	126	-60	1.20
Light Cycle Oil											
LCO 1	.0	.0	.0	0	.0	#DIV/0!	0	31.4	163	-10	3.34
LCO 2	.0	.0	.0	0	.0	#DIV/0!	0	26.5	204	0	3.93
LCO 3	.0	.0	.0	0	.0	#DIV/0!	0	26.6	191	-25	3.23
Total		.0	.0	0	.0	#VALUE!#DIV/0!					
Other Components											
1											
2											
Total		0	0	0	0						
Blended Jet Fuel Product											
		421.6	100.0	573.7	100.0	61.1	.7348	61	60	(67)	1.5