TH_GASCAR_REV_C

Default Initial Values Selected

Pressure	88.260
Flow	640.001
Temperature	25.731
% C1	89.200
% C2	5.900
% C3	1.810
% IC4	0.290
% NC4	0.400
% IC5	0.120
% NC5	0.080
% C6	0.090
% CO2	1.390
% N2	0.710
% O2	0.010

Problem Size Report

Problem Size Report

Nodes	520
Pipes	335
Supplies	2
Deliveries	50
Energy Deliveries	0
Fuel Deliveries	19
Leak Deliveries	0
Fixed Volume Storages	0
Reservoirs	0
Block Valves	128
Check Valves	0
Centrifugal Compressors	0
Generic Compressors	4
Reciprocating Compressors	0
Regulators	2
Resistances	19
Relief Valves	0
Heaters	0
Coolers	19
Stations	15
Banks	15
Centrifugal Bank Compressors	29
Generic Bank Compressors	0
Reciprocating Bank Compressors	11
Generic Drivers	8
Turbine Drivers	3
Centrifugal Performance Types	7
Reciprocating Performance Types	7
Generic Driver Performance Types	3
Turbine Driver Performance Types	5
Cylinder Types	4
Simple Fluids	0
Compositional Fluids	1

Steady State Convergence Report

Steady State Convergence Report

Iteration Number	Tolerance Requested	Greatest Hydraulic Adjustment	Greatest Temperature Adjustment	Greatest Composition Adjustment	Associated Device
0	0.0100000	130.0097878	0.0000000	0.0000000	Flux N11-C0002
1	0.0100000	66.2031297	0.0000000	0.0000000	Flux N11-C0002
2	0.0100000	8.7553911	0.0000000	0.0000000	Flux N11-C0002
3	0.0100000	0.5049543	0.0000000	0.0000000	Flux N11-C0002
4	0.0100000	0.0167010	0.0000000	0.0000000	Node S02-J0003-ARC2

DPMX increased to 9764.86

5	0.0100000	0.0004102	0.0000000	0.0000000	Node S02-J0003-ARC2

6	**Regulator ERP ARC**	**FROM: MaximumDownstreamPressure TO: Bypass**
6	**Compressor CBA-B**	**FROM: BankControl TO: Closed**
6	**Compressor CBA-A**	**FROM: BankControl TO: Closed**
6	**Compressor MRD-B**	**FROM: BankControl TO: Closed**
6	**Compressor MRD-A**	**FROM: BankControl TO: Closed**
6	**Compressor ANT-B**	**FROM: BankControl TO: Closed**
6	**Compressor CGR-D**	**FROM: BankControl TO: Closed**
6	**Compressor CGR-C**	**FROM: BankControl TO: Closed**
6	**Compressor CGR-B**	**FROM: BankControl TO: Closed**
6	**Compressor CGR-A**	**FROM: BankControl TO: Closed**
6	**Compressor RRP-B**	**FROM: BankControl TO: Closed**
6	**Compressor RRP-A**	**FROM: BankControl TO: Closed**
6	**Compressor TLG-B**	**FROM: BankControl TO: Closed**
6	**Compressor MIR-B**	**FROM: BankControl TO: Closed**
6	**Compressor MIR-A**	**FROM: BankControl TO: Closed**
6	**Compressor PEN-D**	**FROM: BankControl TO: Closed**
6	**Compressor PEN-C**	**FROM: BankControl TO: Closed**
6	**Compressor PEN-B**	**FROM: BankControl TO: Closed**
6	**Compressor PEN-A**	**FROM: BankControl TO: Closed**
6	**Compressor IAC-B**	**FROM: BankControl TO: Closed**
6	**Compressor SCA-B**	**FROM: BankControl TO: Closed**
6	**Compressor SCA-A**	**FROM: BankControl TO: Closed**
6	**Compressor ARC_MCC**	**FROM: BankControl TO: Closed**
6	**Compressor SID_MCC**	**FROM: BankControl TO: Closed**
6	**Compressor BIG_MCC**	**FROM: BankControl TO: Closed**

Steady State Convergence Report

Iteration Number	Tolerance Requested	Greatest Hydraulic Adjustment	Greatest Temperature Adjustment	Greatest Composition Adjustment	Associated Device
6	0.0100000	0.0363909	0.0000000	0.0000000	Xreg COMB_PLN
7	0.0100000	0.0005949	0.0000000	0.0000000	Xreg COMB_YAC
8	**Compressor BIG_MCB**		**FROM: BankControl TO: MaximumSpeed**		
8	**Compressor BIG_MCA**		**FROM: BankControl TO: MaximumSpeed**		
8	0.0100000	0.0075411	0.0060096	0.0000000	Node S04-H0005-SID1
		DPMX increased to 19529.72			
9	0.0100000	1.5119802	0.0060096	0.0000000	Flux B01-A0001
10	0.0100000	0.0170592	0.0079094	0.0000000	Node S04-H0004
11	0.0100000	0.1070527	0.0079094	0.0000000	Flux S05-A0001
		DPMX increased to 39059.44			
12	0.0100000	0.0001990	0.0094005	0.0000000	TNode S01-L0003-CBO3
13	**Bank BIG**		**FROM: UnitControl TO: MaximumDownstreamPressure**		
13	0.0100000	0.1316265	0.0094005	0.0000000	Node S04-H0005-SID1
14	0.0100000	0.0025151	0.0040403	0.0000000	TNode S05-A0003
15	**Compressor BIG_MCB**		**FROM: MaximumSpeed TO: BankControl**		
15	**Compressor BIG_MCA**		**FROM: MaximumSpeed TO: BankControl**		
		DPMX increased to 48824.28			
15	0.0100000	0.0919638	0.0040403	0.0000000	Flux S05-A0001
16	0.0100000	0.0000552	0.0072635	0.0000000	TNode S05-A0004-PENVZ
17	0.0100000	0.0013415	0.0001163	0.0000000	Equip 80_VES_020

TH_GASCAR_REV_C : 0.000 hours

Reference Conditions Report	
Reference Pressure	0.00 kg/cm2g
Reference Temperature	20.00 Deg C

Network Flow Balance Report : 0.000 hours

Network Flow Balance		
	Mass Units	Volumetric Units
	Tonn/h	kSm3/d
Total Input Flow	966.126	30446.710
Total Output Flow	966.130	30446.838
Network Flow Balance	-0.004	-0.128

Node Mass Balance Report : 0.000 hours

Node Mass Balance - Threshold = 0.100000	
Node Name	Mass Balance Error
	kSm3/d
No Mass Balance Errors Above Threshold	

Pipe Hydraulic Summary Report : 0.000 hours

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
B01-A001	99.84	99.61	17744.730	17744.730	163.1708	51.70	50.89
B01-A002	99.61	99.36	17744.730	17744.729	169.3441	50.89	50.07
B01-A003	99.36	98.77	17744.729	17744.730	422.7408	50.07	48.19
B01-A004	98.77	97.89	17744.730	17744.730	666.4689	48.19	45.59
B01-B001	97.89	96.14	17744.730	17744.730	1442.4427	45.59	41.19
B01-C001	96.14	94.93	17744.730	17744.730	980.3766	41.19	38.86
B01-D001	94.93	93.13	17744.730	17744.730	1414.6804	38.86	36.20
B01-E001	93.13	91.67	17744.730	17744.730	1148.7398	36.20	34.52
B02-A001	91.46	89.55	17744.730	17744.730	1436.2428	34.49	32.85
B02-B001	89.55	87.47	17744.730	17744.731	1463.8219	32.85	31.52
B02-C001	87.47	85.56	17744.731	17744.731	1314.5693	31.52	30.63
B02-D001	85.56	82.87	17744.731	17744.731	1519.4661	30.63	29.59
B03-A001	99.00	96.97	17712.648	17712.649	1423.0827	43.00	39.21
B03-B001	96.97	95.59	17712.649	17712.648	1347.9139	39.21	36.79
B03-C001	95.59	93.44	17712.648	17712.648	961.0144	36.79	34.73
B03-D001	93.44	93.00	17712.648	17712.648	1474.3676	34.73	33.85
B03-E001	93.00	91.86	17712.648	17712.649	1167.8939	33.85	32.86
B04-A001	91.77	89.95	17712.649	17712.650	1531.3039	32.83	31.66
B04-B001	89.95	87.94	17712.650	17712.651	1554.9582	31.66	30.71
B04-C001	87.94	85.85	17712.651	17712.651	1474.3779	30.71	29.96
B04-D001	85.85	85.35	17712.651	17712.651	338.9039	29.96	29.80
B04-D002	85.35	85.08	17712.651	17712.652	236.9754	29.80	29.77
B04-D003	85.08	83.74	17712.652	17712.652	945.1594	29.77	29.46
B05-A001	99.80	98.87	17681.115	17681.114	810.4427	42.69	40.60
B05-B001	98.87	96.86	17681.114	17681.114	1626.8155	40.60	37.20
B05-C001	96.86	94.86	17681.114	17681.114	1270.8844	37.20	34.96
N01-A001	94.86	93.28	17681.114	17681.115	1446.7387	34.96	32.89
N01-B001	93.28	91.92	17681.115	17681.115	978.9751	32.89	31.61
N02-A001	91.79	91.22	17681.115	17681.116	663.4758	31.56	31.05
N02-B001	91.22	89.50	17681.116	17681.116	1237.1679	31.05	29.88
N02-C001	89.50	87.58	17681.116	17681.117	1360.1976	29.88	28.87
N02-D001	87.58	85.55	17681.117	17681.118	1323.6577	28.87	28.04
N02-E001	85.55	83.31	17681.118	17681.118	1464.7516	28.04	27.40
N03-A001	83.17	81.38	17681.118	17681.119	1076.4900	27.35	26.93
N03-B001	81.38	79.15	17681.119	17681.120	1154.7239	26.93	26.42

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
N03-C001	79.15	76.81	17681.120	17681.121	953.0492	26.42	25.77
N03-D001	76.81	75.06	17681.121	17681.121	1171.3777	25.77	26.01
N03-E001	75.06	73.32	17681.121	17681.122	893.1674	26.01	25.89
N04-A001	100.00	98.61	17618.878	17618.878	548.6215	48.00	45.23
N04-A002	98.61	98.80	17618.878	17618.878	398.2346	45.23	44.17
N04-A003	98.80	98.31	17618.878	17618.878	83.0334	44.17	43.61
N04-B001	98.31	95.91	17618.878	17618.878	1390.4471	43.61	38.95
N04-C001	95.91	96.11	17618.878	17618.878	441.8756	38.95	38.32
N04-C002	96.11	94.54	17618.878	17618.877	508.5060	38.32	36.55
N04-C003	94.54	94.24	17618.877	17618.878	631.7104	36.55	35.61
N04-D001	94.24	90.38	17618.878	17618.878	1423.7380	35.61	32.03
N05-A001	90.24	87.36	17118.728	17118.728	1660.9599	31.98	29.78
N05-B001	87.36	87.15	17118.728	17118.728	667.5711	29.78	29.72
N05-B002	87.15	85.85	17118.728	17118.728	349.6428	29.72	28.88
N05-B003	85.85	86.45	17118.728	17118.728	280.3066	28.88	29.39
N05-B004	86.45	85.07	17118.728	17118.728	320.3768	29.39	28.51
N05-C001	85.07	83.51	17118.728	17118.728	1624.6669	28.51	28.18
N05-D001	83.51	82.31	17118.728	17118.728	1314.9729	28.18	28.06
N06-A001	82.15	82.59	17118.728	17118.728	92.3688	28.00	28.38
N06-A002	82.59	79.43	17118.728	17118.728	1196.9729	28.38	26.88
N06-B001	79.43	79.53	17118.728	17118.728	533.5026	26.88	27.45
N06-B002	79.53	77.63	17118.728	17118.728	929.2926	27.45	26.84
N06-C001	77.63	76.27	17118.728	17118.728	1052.5198	26.84	26.90
N06-D001	76.27	74.35	17118.728	17118.728	828.9664	26.90	26.33
N06-E001	74.34	72.86	17118.728	17118.728	998.9510	26.33	26.46
N07-A001	100.00	98.40	17057.400	17057.400	1475.4661	48.00	42.27
N07-B001	98.40	97.00	17057.400	17057.399	605.2349	42.27	39.96
N07-B002	97.00	96.52	17057.399	17057.399	653.4329	39.96	38.15
N07-C001	96.52	96.66	14936.699	14936.699	631.4269	38.15	36.73
N07-C002	96.66	95.21	14936.699	14936.699	1089.4426	36.73	33.81
N07-D001	95.21	93.53	14936.699	14936.700	1167.9227	33.81	31.31
N07-E001	93.53	92.30	14936.700	14936.700	1119.3850	31.31	29.69
N08-A001	92.17	90.95	14936.700	14936.700	1577.3184	29.65	28.27
N08-B001	90.95	89.89	14913.500	14913.500	1214.2469	28.27	27.43
N08-B002	89.89	88.77	14913.500	14913.499	394.1591	27.43	26.71

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
N08-C001	88.77	88.69	14913.499	14913.500	843.6683	26.71	26.79
N08-C002	88.69	87.57	14834.680	14834.680	498.1603	26.79	26.14
N08-D001	87.57	87.65	14834.680	14834.680	513.9439	26.14	26.35
N08-D002	87.65	87.31	14834.680	14834.680	53.0402	26.35	26.12
N08-D003	87.31	86.22	14834.680	14834.680	911.4482	26.12	25.72
N10-A001	100.00	100.36	14558.050	14558.050	205.6695	42.40	41.89
N10-A002	100.36	99.17	14558.050	14558.049	271.8263	41.89	40.24
N10-A003	99.17	99.17	14558.049	14558.050	664.2016	40.24	38.35
N10-B001	98.69	97.71	14511.670	14511.669	1366.3613	37.30	34.02
N10-C001	97.71	97.75	14511.669	14511.670	211.9648	34.02	33.72
N10-C002	97.75	96.19	14511.670	14511.669	295.2794	33.72	32.33
N10-C003	96.19	95.82	14511.669	14511.670	331.9853	32.33	31.72
N10-C004	95.82	95.31	14511.670	14511.670	287.4142	31.72	31.12
N10-C005	95.31	96.20	14511.670	14511.670	232.4565	31.12	31.47
N10-C006	96.20	95.89	14511.670	14511.670	32.5026	31.47	31.24
N10-D001	95.89	92.69	14288.140	14288.140	1661.5937	31.24	28.20
N10-E001	92.69	93.40	14288.140	14288.140	118.3261	28.20	28.69
N10-E002	93.40	92.36	14288.140	14288.140	143.9538	28.69	28.04
N10-E003	92.36	93.70	14288.140	14288.141	118.5429	28.04	28.93
N10-E004	93.70	91.93	14288.141	14288.140	367.9418	28.93	27.85
N11-A001	91.81	90.78	14288.140	14288.140	390.7831	27.80	27.28
N11-A002	90.78	90.86	14288.140	14288.140	99.3739	27.28	27.38
N11-A003	90.86	91.77	14000.000	14000.000	232.9121	27.38	28.06
N11-A004	91.77	90.29	14000.000	14000.000	695.8508	28.06	27.33
N11-B001	90.29	89.60	13999.200	13999.200	150.1091	27.33	26.94
N11-B002	89.60	91.56	13999.200	13999.200	213.0644	26.94	28.34
N11-B003	91.56	91.33	13999.200	13999.200	629.1437	28.34	28.31
N11-B004	91.33	90.81	13999.200	13999.200	201.5816	28.31	28.02
N11-C001	90.81	91.11	13999.200	13999.200	66.0669	28.02	28.20
N11-C002	91.11	90.84	13999.200	13999.200	12.2164	28.20	28.02
N11-C003	90.84	90.87	13999.200	13999.200	609.7945	28.02	27.92
N11-C004	90.87	88.86	12756.230	12756.230	497.9592	27.92	26.52
N11-C005	88.86	89.64	12756.230	12756.230	273.6062	26.52	27.05
N11-D001	89.64	89.75	12756.230	12756.230	201.4415	27.05	27.12
N11-D002	89.75	90.29	11612.200	11612.200	152.4964	27.12	27.45

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
N11-D003	90.29	89.21	11612.200	11612.200	281.5613	27.45	26.69
N11-D004	89.21	89.24	11612.200	11612.200	576.1171	26.69	26.71
N11-E001	89.24	89.42	11612.200	11612.200	123.6430	26.71	26.82
N11-E002	89.42	89.76	11247.550	11247.550	242.6797	26.82	27.03
N11-E003	89.76	88.84	11247.550	11247.550	279.7153	27.03	26.40
N11-E004	88.84	88.61	11247.550	11247.550	414.5953	26.40	26.29
S01-A002	99.37	97.98	12371.690	12371.690	246.7575	47.20	44.43
S01-B001	97.98	97.12	12371.690	12371.690	147.1346	44.43	42.90
S01-B002	97.12	96.09	12103.690	12103.690	128.4420	42.90	41.45
S01-C001	96.09	94.96	12103.690	12103.690	227.8408	41.45	39.52
S01-C002	94.96	94.95	12044.290	12044.289	71.7968	39.52	39.18
S01-D001	94.95	92.28	12044.289	12044.288	398.0474	39.18	35.89
S01-E002	91.78	89.52	11972.987	11972.984	529.6317	34.88	32.37
S01-F001	89.52	86.99	11522.084	11522.081	446.9012	32.37	30.21
S01-G001	85.90	85.75	11072.980	11072.979	129.1169	28.96	28.88
S01-G002	85.75	83.19	11072.979	11072.975	390.8546	28.88	27.32
S01-H001	83.19	80.69	10910.975	10910.968	578.7114	27.32	26.35
S01-I001	80.69	80.39	10910.968	10910.967	69.6326	26.35	26.27
S01-I002	80.39	79.10	10910.967	10910.965	72.5691	26.27	25.43
S01-I003	79.10	77.11	10910.965	10910.959	433.4256	25.43	25.14
S01-J001	77.11	76.37	10905.839	10905.836	148.5167	25.14	25.02
S01-J002	76.37	73.09	10905.836	10905.828	387.5375	25.02	23.80
S01-J003	73.09	72.19	10905.828	10905.824	208.7264	23.80	23.99
S01-K001	72.19	71.44	10905.824	10905.818	226.7754	23.99	24.37
S01-K002	71.44	67.81	10905.818	10905.806	448.4004	24.37	23.46
S02-A001	99.75	94.75	10853.044	10853.045	588.6733	48.00	39.31
S02-B001	94.75	95.07	10853.045	10853.045	67.3483	39.31	39.07
S02-B002	95.07	93.61	10853.045	10853.044	76.7384	39.07	37.62
S02-B003	93.61	93.91	10853.044	10853.043	243.1508	37.62	36.49
S02-B004	93.91	91.84	10853.043	10853.042	110.7834	36.49	34.59
S02-B005	91.84	91.55	10853.042	10853.042	142.4864	34.59	33.84
S02-C001	91.54	91.57	10853.042	10853.041	202.2795	33.84	33.14
S02-C002	91.57	89.50	10853.041	10853.040	107.3696	33.14	31.43
S02-C003	89.50	89.97	10853.040	10853.041	28.6068	31.43	31.69
S02-C004	89.97	88.49	10853.041	10853.040	76.3650	31.69	30.49

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
S02-C005	88.49	88.39	10853.040	10853.040	144.0344	30.49	30.18
S02-D001	88.39	85.48	10853.040	10853.034	799.8483	30.18	27.46
S02-E002	87.24	85.30	10853.032	10853.030	82.8874	28.24	26.85
S02-E003	85.30	85.76	10853.030	10853.030	47.6865	26.85	27.19
S02-E004	85.76	82.67	10853.030	10853.027	243.0985	27.19	25.12
S02-E005	82.67	84.20	10853.027	10853.027	38.5108	25.12	26.28
S02-E006	84.20	82.68	10853.027	10853.025	146.6081	26.28	25.30
S02-G001	78.52	78.86	10853.012	10853.008	260.6787	22.66	23.70
S02-G002	78.86	75.13	10853.008	10853.003	245.9576	23.70	21.58
S02-G003	75.13	76.23	10853.003	10853.003	19.8806	21.58	22.56
S02-G004	76.23	74.72	10853.003	10853.002	49.7922	22.56	21.53
S02-G005	74.72	72.40	10853.002	10852.998	195.4638	21.53	20.57
S02-H001	72.40	73.54	10852.998	10852.996	85.4168	20.57	21.95
S02-H002	73.54	69.00	10852.996	10852.989	324.4131	21.95	19.94
S02-H003	69.00	68.54	10852.989	10852.985	193.2201	19.94	20.78
S02-H004	68.54	67.08	10852.985	10852.982	97.0452	20.78	20.10
S02-I001	67.08	64.15	10852.982	10852.976	254.8550	20.10	19.36
S02-I002	64.15	62.65	10852.976	10852.971	192.2097	19.36	19.66
S02-J001	62.65	59.38	10689.971	10689.961	364.2375	19.66	19.92
S02-J002	59.38	59.13	9309.961	9309.960	37.5674	19.92	20.01
S03-A001	73.18	73.08	4192.483	4192.482	11.5017	33.86	33.40
S03-A002	73.08	72.97	4192.482	4192.480	120.4522	33.40	30.13
S03-A003	72.97	72.55	4192.480	4192.480	60.6964	30.13	28.56
S03-B001	72.55	71.02	4192.480	4192.478	416.8667	28.56	23.23
S03-C001	71.02	70.46	4192.478	4192.478	159.7285	23.23	22.32
S03-C002	70.46	70.56	4192.478	4192.478	138.0770	22.32	22.20
S03-D001	70.56	74.25	4192.478	4192.478	398.1590	22.20	23.87
S03-E001	74.25	73.00	4192.478	4192.480	400.3404	23.87	21.82
S03-F001	73.00	72.50	4083.380	4083.381	44.7874	21.82	21.39
S03-F002	72.50	72.02	4083.381	4083.383	288.6746	21.39	21.21
S03-F003	72.02	71.31	4083.383	4083.384	139.1015	21.21	20.82
S03-F004	71.31	71.40	4083.384	4083.384	26.6743	20.82	20.95
S03-G001	71.40	68.43	3696.884	3696.888	358.8590	20.95	19.68
S03-G002	68.43	69.28	3696.888	3696.888	26.5424	19.68	20.55
S03-H001	69.28	68.67	3696.888	3696.888	9.2802	20.55	20.03

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
S03-H002	68.67	69.47	3696.888	3696.890	142.6951	20.03	21.12
S03-H003	69.47	66.78	3696.890	3696.892	135.2429	21.12	19.25
S03-H004	66.78	68.16	3696.892	3696.893	77.0657	19.25	20.84
S03-H005	68.16	66.88	3696.893	3696.893	22.2190	20.84	19.76
S03-H006	66.88	68.85	3696.893	3696.895	93.5667	19.76	21.76
S03-I001	68.85	68.85	3541.995	3541.995	13.8713	21.76	21.75
S03-I002	68.85	67.22	3541.995	3541.998	144.6818	21.75	20.45
S03-I003	67.22	67.86	3541.998	3542.000	112.0929	20.45	21.25
S03-J001	67.86	67.86	3542.000	3542.001	78.6465	21.25	21.30
S03-J002	67.86	67.42	3524.501	3524.504	115.3808	21.30	21.00
S03-L001	67.42	64.73	3524.504	3524.506	101.9341	21.00	19.01
S03-L002	64.73	66.75	3524.506	3524.509	89.8267	19.01	21.28
S03-L003	66.75	65.06	3524.509	3524.509	20.2053	21.28	19.76
S03-L004	65.06	66.57	3524.509	3524.510	25.0343	19.76	21.26
S03-L005	66.57	65.83	3524.510	3524.511	63.5903	21.26	20.67
S03-L006	65.83	66.41	3524.511	3524.515	114.2550	20.67	21.37
S03-M001	66.41	64.68	3239.515	3239.524	294.3122	21.37	20.38
S03-M002	64.68	65.42	3239.524	3239.527	96.7770	20.38	21.27
S03-M003	65.42	65.27	3239.527	3239.528	29.1612	21.27	21.15
S04-A001	75.00	73.05	3233.737	3233.737	143.0938	31.98	26.28
S04-A002	73.05	72.14	3167.738	3167.748	43.9241	26.28	24.81
S04-A003	72.14	73.55	3167.748	3167.756	110.2461	24.81	24.65
S04-A004	73.55	70.34	3167.756	3167.734	63.6867	24.65	21.54
S04-A005	70.34	72.28	3167.734	3167.750	37.3265	21.54	23.11
S04-B001	72.28	69.33	3167.750	3167.729	36.0501	23.11	20.52
S04-B002	69.33	69.65	3167.729	3167.737	58.9453	20.52	21.01
S04-B003	69.65	68.03	3167.737	3167.730	21.3820	21.01	19.68
S04-B004	68.03	70.22	3167.730	3167.738	78.9666	19.68	21.89
S04-B005	70.22	67.72	3167.738	3167.736	73.5218	21.89	19.90
S04-B006	67.72	68.94	3167.736	3167.740	18.3308	19.90	21.09
S04-B007	68.94	67.38	3167.740	3167.739	23.6082	21.09	19.80
S04-B008	67.38	68.36	3167.739	3167.744	34.1421	19.80	20.88
S04-B009	68.36	66.50	3167.744	3167.744	20.3211	20.88	19.32
S04-B010	66.50	67.00	3167.744	3167.745	4.2088	19.32	19.82
S04-C001	67.00	67.94	3167.745	3167.749	42.6573	19.82	20.91

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
S04-C002	67.94	66.86	3167.749	3167.749	29.2572	20.91	20.07
S04-C003	66.86	67.87	3167.749	3167.754	79.7238	20.07	21.32
S04-C004	67.87	66.33	3167.754	3167.757	113.6157	21.32	20.34
S04-C005	66.33	67.53	3167.757	3167.760	118.5061	20.34	21.77
S04-D001	67.53	67.59	3167.760	3167.764	147.3531	21.77	21.76
S04-D002	67.59	66.24	3167.764	3167.766	54.2633	21.76	20.64
S04-D003	66.24	66.93	3167.766	3167.770	101.1648	20.64	21.54
S04-E001	66.93	65.74	3167.770	3167.771	17.6112	21.54	20.48
S04-E002	65.74	66.85	3167.771	3167.772	18.1019	20.48	21.57
S04-E003	66.85	65.61	3167.772	3167.774	33.4005	21.57	20.52
S04-E004	65.61	66.62	3167.774	3167.775	18.9599	20.52	21.52
S04-E005	66.62	64.85	3167.775	3167.779	91.3190	21.52	20.22
S04-E006	64.85	65.54	3167.779	3167.784	82.0694	20.22	21.25
S04-E007	65.54	65.49	3167.784	3167.784	2.2303	21.25	21.20
S04-F001	65.49	62.93	3044.784	3044.787	50.6436	21.20	19.12
S04-F002	62.93	63.59	3044.787	3044.789	23.4912	19.12	20.00
S04-F003	63.59	62.56	3044.789	3044.791	25.3122	20.00	19.25
S04-G001	62.56	63.16	3044.791	3044.797	100.9668	19.25	20.68
S04-G002	63.16	61.47	3044.797	3044.801	54.6102	20.68	19.46
S04-G003	61.47	63.52	3044.801	3044.805	52.3463	19.46	21.76
S04-H001	63.52	62.78	3044.805	3044.808	43.8656	21.76	21.10
S04-H002	62.78	61.25	2804.708	2804.715	93.9494	21.10	20.11
S04-H003	61.25	61.92	2804.715	2804.716	17.9393	20.11	20.89
S04-H004	61.92	61.36	2804.716	2804.717	13.9129	20.89	20.40
S05-A001	74.50	74.79	2800.260	2800.267	19.8755	35.54	34.27
S05-A002	74.79	73.76	2800.267	2800.279	24.4347	34.27	31.82
S05-A003	73.76	74.74	2800.279	2800.250	64.1325	31.82	29.48
S05-A004	74.74	73.82	2463.252	2463.274	165.5651	29.48	23.94
S05-B001	73.82	72.12	2463.274	2463.282	77.3710	23.94	21.89
S05-B002	72.12	72.11	2463.282	2463.281	114.9475	21.89	21.70
S05-B003	72.11	70.47	2463.281	2463.282	15.6691	21.70	20.34
S05-B004	70.47	71.62	2463.282	2463.278	26.5899	20.34	21.44
S05-C001	71.62	70.01	2463.278	2463.277	115.2199	21.44	20.54
S05-C002	70.01	63.69	2463.277	2463.278	43.6209	20.54	15.85
S05-D001	63.69	63.69	2463.278	2463.289	208.0619	15.85	20.36

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
S05-D002	63.69	62.34	2463.289	2463.292	54.1141	20.36	19.72
S05-E001	62.34	62.65	2463.292	2463.293	17.0225	19.72	20.24
S05-E002	62.65	61.59	2463.293	2463.297	85.2101	20.24	20.20
S05-E003	61.59	62.25	2463.297	2463.297	15.0919	20.20	20.99
S05-E004	62.25	61.16	2463.297	2463.300	43.5553	20.99	20.27
S05-F001	61.16	60.97	2463.300	2463.302	38.7495	20.27	20.49
S05-F002	60.97	61.02	2463.302	2463.306	73.5640	20.49	21.09
S05-F003	61.02	58.87	2463.306	2463.314	133.1905	21.09	20.21
S05-G001	58.87	58.41	2333.514	2333.524	140.2084	20.21	20.99
S05-G002	58.41	56.81	2333.524	2333.533	107.6513	20.99	20.37
S05-H001	56.81	59.69	2333.533	2333.540	87.8083	20.37	23.25
S05-H002	59.69	57.75	2333.540	2333.543	30.6225	23.25	21.08
S05-H003	57.75	59.27	2333.543	2333.545	22.1460	21.08	22.67
S05-H004	59.27	57.13	2333.545	2333.550	51.8725	22.67	20.48
S05-H005	57.13	58.68	2333.550	2333.555	53.3997	20.48	22.30
S05-H006	58.68	58.47	2321.855	2321.857	20.1489	22.30	21.99
S05-I001	58.47	57.93	2321.857	2321.858	10.4985	21.99	21.42
S05-I002	57.93	57.72	2321.858	2321.867	81.2311	21.42	21.42
S05-I003	57.72	57.37	2321.867	2321.870	25.6615	21.42	21.14
S05-I004	57.37	56.96	2143.070	2143.075	53.5983	21.14	20.99
S05-J001	56.96	55.61	2143.075	2143.083	65.9943	20.99	20.20
S05-J002	55.61	56.06	2143.083	2143.085	20.8167	20.20	20.92
S05-J003	56.06	55.15	2143.085	2143.088	29.4528	20.92	20.23
S05-L001	55.15	54.97	2143.088	2143.089	3.1431	20.23	20.07
S05-L002	54.97	55.35	2143.089	2143.095	54.8464	20.07	21.08
S05-L003	55.35	55.02	1905.195	1905.200	41.5771	21.08	20.94
P01-A001	75.00	74.74	8722.550	8722.550	137.5423	20.62	21.02
P01-A002	74.74	73.94	8722.550	8722.550	84.9468	21.02	20.74
P01-B001	73.94	74.05	7339.090	7339.090	52.2246	20.74	21.06
P01-B002	74.05	72.78	7339.090	7339.090	203.0409	21.06	20.91
P01-B003	72.78	72.19	7339.090	7339.090	80.0797	20.91	20.77
P01-C001	72.19	72.71	7339.090	7339.090	38.0547	20.77	21.39
P01-C002	72.71	71.40	7339.090	7339.090	247.6060	21.39	21.31
P01-D001	71.40	71.45	7339.090	7339.090	23.8537	21.31	21.45
P01-D002	71.45	69.69	7339.090	7339.090	290.8893	21.45	21.24

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
P01-E001	69.69	68.61	6618.400	6618.400	469.9880	21.24	22.22
P01-F001	68.61	67.82	6618.400	6618.400	312.0874	22.22	22.62
P01-G001	67.82	67.55	6618.400	6618.400	94.8228	22.62	22.68
P01-G002	67.55	65.63	6618.400	6618.400	172.1252	22.68	21.59
P01-G003	65.63	66.28	6618.400	6618.400	33.0020	21.59	22.35
P01-H001	66.28	66.22	6618.400	6618.400	133.4465	22.35	22.77
P01-H002	66.22	64.96	6618.400	6618.400	79.1349	22.77	21.90
P01-H003	64.96	66.16	6618.400	6618.400	246.7346	21.90	23.83
P01-H004	66.16	65.27	6618.400	6618.400	41.2231	23.83	23.08
P01-I001	65.27	64.89	6618.400	6618.400	91.3240	23.08	23.01
P01-I002	64.89	64.65	6618.400	6618.400	267.6053	23.01	23.55
P01-J001	64.65	64.36	6020.000	6020.000	31.4952	23.55	23.35
P01-J002	64.36	64.72	6020.000	6020.000	153.6157	23.35	24.01
P01-J003	64.72	64.49	6020.000	6020.000	28.7691	24.01	23.84
P01-L001	64.49	63.73	6020.000	6020.000	126.6232	23.84	23.38
S01-F002	86.99	85.90	11072.981	11072.980	160.8744	30.21	28.96
S01-A001	99.66	99.37	12641.690	12641.690	57.7600	48.00	47.20
N10-A004	99.17	98.69	14511.670	14511.670	296.3099	38.35	37.30
S01-E001	92.28	91.78	12044.288	12044.287	129.5992	35.89	34.88
S02-E001	85.48	87.24	10853.034	10853.032	234.0851	27.46	28.24
S02-F008	78.74	80.20	10853.014	10853.013	59.2805	22.75	23.92
S02-F001	82.68	83.41	10853.025	10853.025	59.1102	25.30	25.81
S02-F002	83.41	79.66	10853.025	10853.021	224.6410	25.81	23.03
S02-F003	79.66	80.84	10853.021	10853.018	227.5434	23.03	24.07
S02-F004	80.84	79.31	10853.018	10853.017	87.0617	24.07	22.97
S02-F005	79.31	80.09	10853.017	10853.015	92.4039	22.97	23.65
S02-F006	80.09	78.55	10853.015	10853.015	43.4540	23.65	22.50
S02-F007	78.55	78.74	10853.015	10853.014	71.7225	22.50	22.75
S02-F009	80.20	78.52	10853.013	10853.012	35.2432	23.92	22.66
N09_A001	86.07	86.41	14834.680	14834.680	117.3015	25.66	25.95
N09_A002	86.41	85.17	14834.680	14834.680	342.6241	25.95	25.23
N09_A003	85.17	85.45	14834.680	14834.680	585.2124	25.23	25.74
N09_A004	85.45	85.03	14834.680	14834.680	77.5427	25.74	25.48
N09_A005	85.03	85.12	14834.680	14834.680	102.7596	25.48	25.60
N09_B001	85.12	85.18	14834.680	14834.680	125.5095	25.60	25.70

Pipe Summary							
Pipe Name	Pressure		Flow		Line Pack	Temperature	
	kg/cm2g		kSm3/d		KPM3	Deg C	
	Head	Tail	Head	Tail		Head	Tail
N09_B002	85.18	84.39	14834.680	14834.680	206.6421	25.70	25.24
N09_B003	84.39	84.83	14834.680	14834.680	95.1633	25.24	25.62
N09_B004	84.83	84.29	14834.680	14834.680	116.0043	25.62	25.30
N09_B005	84.29	84.48	14761.230	14761.230	184.9507	25.30	25.53
N09_B006	84.48	83.43	14761.230	14761.230	317.6773	25.53	24.97
N09_B007	83.43	83.27	14761.230	14761.230	409.3584	24.97	25.14
N09_C001	83.27	83.47	14761.230	14761.230	272.3615	25.14	25.45
N09_C002	83.47	81.95	14761.230	14761.230	440.7178	25.45	24.65
N09_C003	81.95	82.33	14761.230	14761.230	258.4364	24.65	25.13
N09_C004	82.33	81.53	14761.230	14761.230	120.7865	25.13	24.62
N09_C005	81.53	81.17	14761.230	14761.230	770.5000	24.62	24.98
N09_D001	81.17	81.29	14761.230	14761.230	137.9300	24.98	25.17
N09_D002	81.29	80.65	14761.230	14761.230	75.0157	25.17	24.74
N09_D003	80.65	81.12	14761.230	14761.230	228.8654	24.74	25.27
N09_D004	81.12	80.33	14761.230	14761.230	161.5790	25.27	24.79
N09_D005	80.33	80.71	14761.230	14761.230	86.1817	24.79	25.15
N09_D006	80.71	79.82	14761.230	14761.230	169.2963	25.15	24.61
N09_D007	79.82	80.36	14761.230	14761.230	132.3148	24.61	25.13
N09_D008	80.36	79.57	14761.230	14761.230	125.1222	25.13	24.63
N09_D009	79.57	79.68	14761.230	14761.230	121.8500	24.63	24.82

Pipe Wall Temperature Summary Report : 0.000 hours

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
B01-A001	Head	51.70	51.70	51.60	30.00
	Tail	50.89	50.89	50.80	30.00
B01-A002	Head	50.89	50.89	50.80	30.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	50.07	50.07	49.98	30.00
B01-A003	Head	50.07	50.07	49.98	30.00
	Tail	48.19	48.19	48.11	30.00
B01-A004	Head	48.19	48.19	48.11	30.00
	Tail	45.59	45.59	45.52	30.00
B01-B001	Head	45.59	45.59	45.52	30.00
	Tail	41.19	41.19	41.14	30.00
B01-C001	Head	41.19	41.19	41.14	30.00
	Tail	38.86	38.86	38.82	30.00
B01-D001	Head	38.86	38.86	38.82	30.00
	Tail	36.20	36.20	36.17	30.00
B01-E001	Head	36.20	36.20	36.17	30.00
	Tail	34.52	34.52	34.50	30.00
B02-A001	Head	34.49	34.49	34.47	30.00
	Tail	32.85	32.85	32.83	30.00
B02-B001	Head	32.85	32.85	32.83	30.00
	Tail	31.52	31.52	31.52	30.00
B02-C001	Head	31.52	31.52	31.52	30.00
	Tail	30.63	30.63	30.62	30.00
B02-D001	Head	30.63	30.63	30.62	30.00
	Tail	29.59	29.59	29.59	30.00
B03-A001	Head	43.00	43.00	42.94	30.00
	Tail	39.21	39.21	39.17	30.00
B03-B001	Head	39.21	39.21	39.17	30.00
	Tail	36.79	36.79	36.76	30.00
B03-C001	Head	36.79	36.79	36.76	30.00
	Tail	34.73	34.73	34.71	30.00
B03-D001	Head	34.73	34.73	34.71	30.00
	Tail	33.85	33.85	33.84	30.00
B03-E001	Head	33.85	33.85	33.84	30.00
	Tail	32.86	32.86	32.85	30.00
B04-A001	Head	32.83	32.83	32.82	30.00
	Tail	31.66	31.66	31.65	30.00
B04-B001	Head	31.66	31.66	31.65	30.00
	Tail	30.71	30.71	30.71	30.00
B04-C001	Head	30.71	30.71	30.71	30.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	29.96	29.96	29.96	30.00
B04-D001	Head	29.96	29.96	29.96	30.00
	Tail	29.80	29.80	29.80	30.00
B04-D002	Head	29.80	29.80	29.80	30.00
	Tail	29.77	29.77	29.77	30.00
B04-D003	Head	29.77	29.77	29.77	30.00
	Tail	29.46	29.46	29.46	30.00
B05-A001	Head	42.69	42.69	42.64	30.00
	Tail	40.60	40.60	40.55	30.00
B05-B001	Head	40.60	40.60	40.55	30.00
	Tail	37.20	37.20	37.17	30.00
B05-C001	Head	37.20	37.20	37.17	30.00
	Tail	34.96	34.96	34.94	30.00
N01-A001	Head	34.96	34.96	34.93	28.00
	Tail	32.89	32.89	32.87	28.00
N01-B001	Head	32.89	32.89	32.87	28.00
	Tail	31.61	31.61	31.59	28.00
N02-A001	Head	31.56	31.56	31.54	28.00
	Tail	31.05	31.05	31.04	28.00
N02-B001	Head	31.05	31.05	31.04	28.00
	Tail	29.88	29.88	29.87	28.00
N02-C001	Head	29.88	29.88	29.87	28.00
	Tail	28.87	28.87	28.87	28.00
N02-D001	Head	28.87	28.87	28.87	28.00
	Tail	28.04	28.04	28.04	28.00
N02-E001	Head	28.04	28.04	28.04	28.00
	Tail	27.40	27.40	27.40	28.00
N03-A001	Head	27.35	27.35	27.35	28.00
	Tail	26.93	26.93	26.93	28.00
N03-B001	Head	26.93	26.93	26.93	28.00
	Tail	26.42	26.42	26.42	28.00
N03-C001	Head	26.42	26.42	26.42	28.00
	Tail	25.77	25.77	25.78	28.00
N03-D001	Head	25.77	25.77	25.78	28.00
	Tail	26.01	26.01	26.01	28.00
N03-E001	Head	26.01	26.01	26.01	28.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	25.89	25.89	25.90	28.00
N04-A001	Head	48.00	48.00	47.91	28.00
	Tail	45.23	45.23	45.15	28.00
N04-A002	Head	45.23	45.23	45.15	28.00
	Tail	44.17	44.17	44.09	28.00
N04-A003	Head	44.17	44.17	44.09	28.00
	Tail	43.61	43.61	43.54	28.00
N04-B001	Head	43.61	43.61	43.54	28.00
	Tail	38.95	38.95	38.90	28.00
N04-C001	Head	38.95	38.95	38.90	28.00
	Tail	38.32	38.32	38.27	28.00
N04-C002	Head	38.32	38.32	38.27	28.00
	Tail	36.55	36.55	36.51	28.00
N04-C003	Head	36.55	36.55	36.51	28.00
	Tail	35.61	35.61	35.57	28.00
N04-D001	Head	35.61	35.61	35.57	28.00
	Tail	32.03	32.03	32.01	28.00
N05-A001	Head	31.98	31.98	31.96	28.00
	Tail	29.78	29.78	29.77	28.00
N05-B001	Head	29.78	29.78	29.77	28.00
	Tail	29.72	29.72	29.72	28.00
N05-B002	Head	29.72	29.72	29.72	28.00
	Tail	28.88	28.88	28.88	28.00
N05-B003	Head	28.88	28.88	28.88	28.00
	Tail	29.39	29.39	29.39	28.00
N05-B004	Head	29.39	29.39	29.39	28.00
	Tail	28.51	28.51	28.51	28.00
N05-C001	Head	28.51	28.51	28.51	28.00
	Tail	28.18	28.18	28.18	28.00
N05-D001	Head	28.18	28.18	28.18	28.00
	Tail	28.06	28.06	28.06	28.00
N06-A001	Head	28.00	28.00	28.00	28.00
	Tail	28.38	28.38	28.38	28.00
N06-A002	Head	28.38	28.38	28.38	28.00
	Tail	26.88	26.88	26.89	28.00
N06-B001	Head	26.88	26.88	26.89	28.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	27.45	27.45	27.45	28.00
N06-B002	Head	27.45	27.45	27.45	28.00
	Tail	26.84	26.84	26.85	28.00
N06-C001	Head	26.84	26.84	26.84	28.00
	Tail	26.90	26.90	26.90	28.00
N06-D001	Head	26.90	26.90	26.90	28.00
	Tail	26.33	26.33	26.34	28.00
N06-E001	Head	26.33	26.33	26.34	28.00
	Tail	26.46	26.46	26.46	28.00
N07-A001	Head	48.00	48.00	47.91	28.00
	Tail	42.27	42.27	42.21	28.00
N07-B001	Head	42.27	42.27	42.21	28.00
	Tail	39.96	39.96	39.90	28.00
N07-B002	Head	39.96	39.96	39.90	26.00
	Tail	38.15	38.15	38.09	26.00
N07-C001	Head	38.15	38.15	38.09	26.00
	Tail	36.73	36.73	36.68	26.00
N07-C002	Head	36.73	36.73	36.68	26.00
	Tail	33.81	33.81	33.77	26.00
N07-D001	Head	33.81	33.81	33.77	26.00
	Tail	31.31	31.31	31.28	26.00
N07-E001	Head	31.31	31.31	31.28	26.00
	Tail	29.69	29.69	29.67	26.00
N08-A001	Head	29.65	29.65	29.63	26.00
	Tail	28.27	28.27	28.26	26.00
N08-B001	Head	28.27	28.27	28.26	26.00
	Tail	27.43	27.43	27.42	26.00
N08-B002	Head	27.43	27.43	27.42	26.00
	Tail	26.71	26.71	26.71	26.00
N08-C001	Head	26.71	26.71	26.71	26.00
	Tail	26.79	26.79	26.79	26.00
N08-C002	Head	26.79	26.79	26.79	26.00
	Tail	26.14	26.14	26.14	26.00
N08-D001	Head	26.14	26.14	26.14	26.00
	Tail	26.35	26.35	26.35	26.00
N08-D002	Head	26.35	26.35	26.35	26.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	26.12	26.12	26.12	26.00
N08-D003	Head	26.12	26.12	26.12	26.00
	Tail	25.72	25.72	25.72	26.00
N10-A001	Head	42.40	42.40	42.32	26.00
	Tail	41.89	41.89	41.81	26.00
N10-A002	Head	41.89	41.89	41.81	26.00
	Tail	40.24	40.24	40.17	26.00
N10-A003	Head	40.24	40.24	40.17	26.00
	Tail	38.35	38.35	38.28	26.00
N10-B001	Head	37.30	37.30	37.24	26.00
	Tail	34.02	34.02	33.98	26.00
N10-C001	Head	34.02	34.02	33.98	26.00
	Tail	33.72	33.72	33.68	26.00
N10-C002	Head	33.72	33.72	33.68	26.00
	Tail	32.33	32.33	32.30	26.00
N10-C003	Head	32.33	32.33	32.30	26.00
	Tail	31.72	31.72	31.70	26.00
N10-C004	Head	31.72	31.72	31.70	26.00
	Tail	31.12	31.12	31.09	26.00
N10-C005	Head	31.12	31.12	31.09	26.00
	Tail	31.47	31.47	31.44	26.00
N10-C006	Head	31.47	31.47	31.44	26.00
	Tail	31.24	31.24	31.21	26.00
N10-D001	Head	31.24	31.24	31.21	26.00
	Tail	28.20	28.20	28.19	26.00
N10-E001	Head	28.20	28.20	28.20	28.00
	Tail	28.69	28.69	28.69	28.00
N10-E002	Head	28.69	28.69	28.69	28.00
	Tail	28.04	28.04	28.04	28.00
N10-E003	Head	28.04	28.04	28.04	28.00
	Tail	28.93	28.93	28.92	28.00
N10-E004	Head	28.93	28.93	28.92	28.00
	Tail	27.85	27.85	27.85	28.00
N11-A001	Head	27.80	27.80	27.80	28.00
	Tail	27.28	27.28	27.29	28.00
N11-A002	Head	27.28	27.28	27.29	28.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	27.38	27.38	27.38	28.00
N11-A003	Head	27.38	27.38	27.38	28.00
	Tail	28.06	28.06	28.06	28.00
N11-A004	Head	28.06	28.06	28.06	28.00
	Tail	27.33	27.33	27.33	28.00
N11-B001	Head	27.33	27.33	27.33	28.00
	Tail	26.94	26.94	26.95	28.00
N11-B002	Head	26.94	26.94	26.95	28.00
	Tail	28.34	28.34	28.34	28.00
N11-B003	Head	28.34	28.34	28.34	28.00
	Tail	28.31	28.31	28.31	28.00
N11-B004	Head	28.31	28.31	28.31	28.00
	Tail	28.02	28.02	28.02	28.00
N11-C001	Head	28.02	28.02	28.01	26.00
	Tail	28.20	28.20	28.19	26.00
N11-C002	Head	28.20	28.20	28.19	26.00
	Tail	28.02	28.02	28.01	26.00
N11-C003	Head	28.02	28.02	28.01	26.00
	Tail	27.92	27.92	27.91	26.00
N11-C004	Head	27.92	27.92	27.91	26.00
	Tail	26.52	26.52	26.51	26.00
N11-C005	Head	26.52	26.52	26.51	26.00
	Tail	27.05	27.05	27.05	26.00
N11-D001	Head	27.05	27.05	27.05	26.00
	Tail	27.12	27.12	27.11	26.00
N11-D002	Head	27.12	27.12	27.11	26.00
	Tail	27.45	27.45	27.44	26.00
N11-D003	Head	27.45	27.45	27.44	26.00
	Tail	26.69	26.69	26.69	26.00
N11-D004	Head	26.69	26.69	26.69	26.00
	Tail	26.71	26.71	26.70	26.00
N11-E001	Head	26.71	26.71	26.70	26.00
	Tail	26.82	26.82	26.82	26.00
N11-E002	Head	26.82	26.82	26.82	26.00
	Tail	27.03	27.03	27.03	26.00
N11-E003	Head	27.03	27.03	27.03	26.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	26.40	26.40	26.40	26.00
N11-E004	Head	26.40	26.40	26.40	26.00
	Tail	26.29	26.29	26.28	26.00
S01-A002	Head	47.20	47.20	47.11	26.00
	Tail	44.43	44.43	44.35	26.00
S01-B001	Head	44.43	44.43	44.35	26.00
	Tail	42.90	42.90	42.83	26.00
S01-B002	Head	42.90	42.90	42.83	26.00
	Tail	41.45	41.45	41.38	26.00
S01-C001	Head	41.45	41.45	41.38	26.00
	Tail	39.52	39.52	39.46	26.00
S01-C002	Head	39.52	39.52	39.46	26.00
	Tail	39.18	39.18	39.12	26.00
S01-D001	Head	39.18	39.18	39.12	26.00
	Tail	35.89	35.89	35.85	26.00
S01-E002	Head	34.88	34.88	34.84	26.00
	Tail	32.37	32.37	32.34	26.00
S01-F001	Head	32.37	32.37	32.34	26.00
	Tail	30.21	30.21	30.19	26.00
S01-G001	Head	28.96	28.96	28.95	26.00
	Tail	28.88	28.88	28.87	26.00
S01-G002	Head	28.88	28.88	28.87	26.00
	Tail	27.32	27.32	27.31	26.00
S01-H001	Head	27.32	27.32	27.31	26.00
	Tail	26.35	26.35	26.35	26.00
S01-I001	Head	26.35	26.35	26.35	26.00
	Tail	26.27	26.27	26.26	26.00
S01-I002	Head	26.27	26.27	26.26	26.00
	Tail	25.43	25.43	25.44	26.00
S01-I003	Head	25.43	25.43	25.44	26.00
	Tail	25.14	25.14	25.15	26.00
S01-J001	Head	25.14	25.14	25.15	26.00
	Tail	25.02	25.02	25.02	26.00
S01-J002	Head	25.02	25.02	25.02	26.00
	Tail	23.80	23.80	23.81	26.00
S01-J003	Head	23.80	23.80	23.81	26.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	23.99	23.99	24.00	26.00
S01-K001	Head	23.99	23.99	24.00	26.00
	Tail	24.37	24.37	24.38	26.00
S01-K002	Head	24.37	24.37	24.38	26.00
	Tail	23.46	23.46	23.47	26.00
S02-A001	Head	48.00	48.00	47.89	24.00
	Tail	39.31	39.31	39.24	24.00
S02-B001	Head	39.31	39.31	39.24	24.00
	Tail	39.07	39.07	39.00	24.00
S02-B002	Head	39.07	39.07	39.00	24.00
	Tail	37.62	37.62	37.56	24.00
S02-B003	Head	37.62	37.62	37.56	24.00
	Tail	36.49	36.49	36.43	24.00
S02-B004	Head	36.49	36.49	36.43	24.00
	Tail	34.59	34.59	34.54	24.00
S02-B005	Head	34.59	34.59	34.54	24.00
	Tail	33.84	33.84	33.79	24.00
S02-C001	Head	33.84	33.84	33.79	24.00
	Tail	33.14	33.14	33.10	24.00
S02-C002	Head	33.14	33.14	33.10	24.00
	Tail	31.43	31.43	31.40	24.00
S02-C003	Head	31.43	31.43	31.40	24.00
	Tail	31.69	31.69	31.65	24.00
S02-C004	Head	31.69	31.69	31.65	24.00
	Tail	30.49	30.49	30.47	24.00
S02-C005	Head	30.49	30.49	30.47	24.00
	Tail	30.18	30.18	30.15	24.00
S02-D001	Head	30.18	30.18	30.15	24.00
	Tail	27.46	27.46	27.44	24.00
S02-E002	Head	28.24	28.24	28.22	24.00
	Tail	26.85	26.85	26.83	24.00
S02-E003	Head	26.85	26.85	26.83	24.00
	Tail	27.19	27.19	27.17	24.00
S02-E004	Head	27.19	27.19	27.17	24.00
	Tail	25.12	25.12	25.11	24.00
S02-E005	Head	25.12	25.12	25.11	24.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	26.28	26.28	26.27	24.00
S02-E006	Head	26.28	26.28	26.27	24.00
	Tail	25.30	25.30	25.30	24.00
S02-G001	Head	22.66	22.66	22.66	24.00
	Tail	23.70	23.70	23.71	24.00
S02-G002	Head	23.70	23.70	23.71	24.00
	Tail	21.58	21.58	21.59	24.00
S02-G003	Head	21.58	21.58	21.59	24.00
	Tail	22.56	22.56	22.56	24.00
S02-G004	Head	22.56	22.56	22.56	24.00
	Tail	21.53	21.53	21.54	24.00
S02-G005	Head	21.53	21.53	21.54	24.00
	Tail	20.57	20.57	20.58	24.00
S02-H001	Head	20.57	20.57	20.58	24.00
	Tail	21.95	21.95	21.96	24.00
S02-H002	Head	21.95	21.95	21.96	24.00
	Tail	19.94	19.94	19.95	24.00
S02-H003	Head	19.94	19.94	19.95	24.00
	Tail	20.78	20.78	20.79	24.00
S02-H004	Head	20.78	20.78	20.79	24.00
	Tail	20.10	20.10	20.12	24.00
S02-I001	Head	20.10	20.10	20.12	24.00
	Tail	19.36	19.36	19.38	24.00
S02-I002	Head	19.36	19.36	19.38	24.00
	Tail	19.66	19.66	19.68	24.00
S02-J001	Head	19.66	19.66	19.68	24.00
	Tail	19.92	19.92	19.94	24.00
S02-J002	Head	19.92	19.92	19.94	24.00
	Tail	20.01	20.01	20.03	24.00
S03-A001	Head	33.86	33.86	33.76	21.00
	Tail	33.40	33.40	33.30	21.00
S03-A002	Head	33.40	33.40	33.30	21.00
	Tail	30.13	30.13	30.06	21.00
S03-A003	Head	30.13	30.13	30.06	21.00
	Tail	28.56	28.56	28.50	21.00
S03-B001	Head	28.56	28.56	28.50	21.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	23.23	23.23	23.22	21.00
S03-C001	Head	23.23	23.23	23.22	21.00
	Tail	22.32	22.32	22.31	21.00
S03-C002	Head	22.32	22.32	22.31	21.00
	Tail	22.20	22.20	22.20	21.00
S03-D001	Head	22.20	22.20	22.20	21.00
	Tail	23.87	23.87	23.85	21.00
S03-E001	Head	23.87	23.87	23.85	21.00
	Tail	21.82	21.82	21.81	21.00
S03-F001	Head	21.82	21.82	21.81	21.00
	Tail	21.39	21.39	21.39	21.00
S03-F002	Head	21.39	21.39	21.39	21.00
	Tail	21.21	21.21	21.21	21.00
S03-F003	Head	21.21	21.21	21.21	21.00
	Tail	20.82	20.82	20.82	21.00
S03-F004	Head	20.82	20.82	20.82	21.00
	Tail	20.95	20.95	20.95	21.00
S03-G001	Head	20.95	20.95	20.95	21.00
	Tail	19.68	19.68	19.69	21.00
S03-G002	Head	19.68	19.68	19.69	21.00
	Tail	20.55	20.55	20.55	21.00
S03-H001	Head	20.55	20.55	20.55	21.00
	Tail	20.03	20.03	20.04	21.00
S03-H002	Head	20.03	20.03	20.04	21.00
	Tail	21.12	21.12	21.12	21.00
S03-H003	Head	21.12	21.12	21.12	21.00
	Tail	19.25	19.25	19.26	21.00
S03-H004	Head	19.25	19.25	19.26	21.00
	Tail	20.84	20.84	20.84	21.00
S03-H005	Head	20.84	20.84	20.84	21.00
	Tail	19.76	19.76	19.77	21.00
S03-H006	Head	19.76	19.76	19.77	21.00
	Tail	21.76	21.76	21.75	21.00
S03-I001	Head	21.76	21.76	21.75	21.00
	Tail	21.75	21.75	21.74	21.00
S03-I002	Head	21.75	21.75	21.74	21.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	20.45	20.45	20.46	21.00
S03-I003	Head	20.45	20.45	20.46	21.00
	Tail	21.25	21.25	21.25	21.00
S03-J001	Head	21.25	21.25	21.24	21.00
	Tail	21.30	21.30	21.29	21.00
S03-J002	Head	21.30	21.30	21.29	21.00
	Tail	21.00	21.00	21.00	21.00
S03-L001	Head	21.00	21.00	21.00	21.00
	Tail	19.01	19.01	19.02	21.00
S03-L002	Head	19.01	19.01	19.02	21.00
	Tail	21.28	21.28	21.28	21.00
S03-L003	Head	21.28	21.28	21.28	21.00
	Tail	19.76	19.76	19.77	21.00
S03-L004	Head	19.76	19.76	19.77	21.00
	Tail	21.26	21.26	21.26	21.00
S03-L005	Head	21.26	21.26	21.26	21.00
	Tail	20.67	20.67	20.67	21.00
S03-L006	Head	20.67	20.67	20.67	21.00
	Tail	21.37	21.37	21.37	21.00
S03-M001	Head	21.37	21.37	21.37	21.00
	Tail	20.38	20.38	20.38	21.00
S03-M002	Head	20.38	20.38	20.38	21.00
	Tail	21.27	21.27	21.27	21.00
S03-M003	Head	21.27	21.27	21.27	21.00
	Tail	21.15	21.15	21.15	21.00
S04-A001	Head	31.98	31.98	31.88	21.00
	Tail	26.28	26.28	26.24	21.00
S04-A002	Head	26.28	26.28	26.23	21.00
	Tail	24.81	24.81	24.78	21.00
S04-A003	Head	24.81	24.81	24.78	21.00
	Tail	24.65	24.65	24.62	21.00
S04-A004	Head	24.65	24.65	24.62	21.00
	Tail	21.54	21.54	21.53	21.00
S04-A005	Head	21.54	21.54	21.53	21.00
	Tail	23.11	23.11	23.09	21.00
S04-B001	Head	23.11	23.11	23.09	21.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	20.52	20.52	20.53	21.00
S04-B002	Head	20.52	20.52	20.53	21.00
	Tail	21.01	21.01	21.01	21.00
S04-B003	Head	21.01	21.01	21.01	21.00
	Tail	19.68	19.68	19.70	21.00
S04-B004	Head	19.68	19.68	19.70	21.00
	Tail	21.89	21.89	21.88	21.00
S04-B005	Head	21.89	21.89	21.88	21.00
	Tail	19.90	19.90	19.91	21.00
S04-B006	Head	19.90	19.90	19.91	21.00
	Tail	21.09	21.09	21.08	21.00
S04-B007	Head	21.09	21.09	21.08	21.00
	Tail	19.80	19.80	19.81	21.00
S04-B008	Head	19.80	19.80	19.81	21.00
	Tail	20.88	20.88	20.88	21.00
S04-B009	Head	20.88	20.88	20.88	21.00
	Tail	19.32	19.32	19.34	21.00
S04-B010	Head	19.32	19.32	19.34	21.00
	Tail	19.82	19.82	19.83	21.00
S04-C001	Head	19.82	19.82	19.83	21.00
	Tail	20.91	20.91	20.91	21.00
S04-C002	Head	20.91	20.91	20.91	21.00
	Tail	20.07	20.07	20.08	21.00
S04-C003	Head	20.07	20.07	20.08	21.00
	Tail	21.32	21.32	21.32	21.00
S04-C004	Head	21.32	21.32	21.32	21.00
	Tail	20.34	20.34	20.35	21.00
S04-C005	Head	20.34	20.34	20.35	21.00
	Tail	21.77	21.77	21.76	21.00
S04-D001	Head	21.77	21.77	21.76	21.00
	Tail	21.76	21.76	21.76	21.00
S04-D002	Head	21.76	21.76	21.76	21.00
	Tail	20.64	20.64	20.64	21.00
S04-D003	Head	20.64	20.64	20.64	21.00
	Tail	21.54	21.54	21.53	21.00
S04-E001	Head	21.54	21.54	21.53	21.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	20.48	20.48	20.49	21.00
S04-E002	Head	20.48	20.48	20.49	21.00
	Tail	21.57	21.57	21.57	21.00
S04-E003	Head	21.57	21.57	21.57	21.00
	Tail	20.52	20.52	20.52	21.00
S04-E004	Head	20.52	20.52	20.52	21.00
	Tail	21.52	21.52	21.51	21.00
S04-E005	Head	21.52	21.52	21.51	21.00
	Tail	20.22	20.22	20.23	21.00
S04-E006	Head	20.22	20.22	20.23	21.00
	Tail	21.25	21.25	21.24	21.00
S04-E007	Head	21.25	21.25	21.24	21.00
	Tail	21.20	21.20	21.20	21.00
S04-F001	Head	21.20	21.20	21.20	21.00
	Tail	19.12	19.12	19.14	21.00
S04-F002	Head	19.12	19.12	19.14	21.00
	Tail	20.00	20.00	20.01	21.00
S04-F003	Head	20.00	20.00	20.01	21.00
	Tail	19.25	19.25	19.27	21.00
S04-G001	Head	19.25	19.25	19.27	21.00
	Tail	20.68	20.68	20.68	21.00
S04-G002	Head	20.68	20.68	20.68	21.00
	Tail	19.46	19.46	19.47	21.00
S04-G003	Head	19.46	19.46	19.47	21.00
	Tail	21.76	21.76	21.76	21.00
S04-H001	Head	21.76	21.76	21.76	21.00
	Tail	21.10	21.10	21.10	21.00
S04-H002	Head	21.10	21.10	21.10	21.00
	Tail	20.11	20.11	20.12	21.00
S04-H003	Head	20.11	20.11	20.12	21.00
	Tail	20.89	20.89	20.89	21.00
S04-H004	Head	20.89	20.89	20.89	21.00
	Tail	20.40	20.40	20.40	21.00
S05-A001	Head	35.54	35.54	35.42	21.00
	Tail	34.27	34.27	34.16	21.00
S05-A002	Head	34.27	34.27	34.16	21.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	31.82	31.82	31.73	21.00
S05-A003	Head	31.82	31.82	31.73	21.00
	Tail	29.48	29.48	29.42	21.00
S05-A004	Head	29.48	29.48	29.41	21.00
	Tail	23.94	23.94	23.92	21.00
S05-B001	Head	23.94	23.94	23.92	21.00
	Tail	21.89	21.89	21.89	21.00
S05-B002	Head	21.89	21.89	21.89	21.00
	Tail	21.70	21.70	21.70	21.00
S05-B003	Head	21.70	21.70	21.70	21.00
	Tail	20.34	20.34	20.35	21.00
S05-B004	Head	20.34	20.34	20.35	21.00
	Tail	21.44	21.44	21.44	21.00
S05-C001	Head	21.44	21.44	21.44	21.00
	Tail	20.54	20.54	20.55	21.00
S05-C002	Head	20.54	20.54	20.55	21.00
	Tail	15.85	15.85	15.89	21.00
S05-D001	Head	15.85	15.85	15.89	21.00
	Tail	20.36	20.36	20.37	21.00
S05-D002	Head	20.36	20.36	20.37	21.00
	Tail	19.72	19.72	19.73	21.00
S05-E001	Head	19.72	19.72	19.73	21.00
	Tail	20.24	20.24	20.24	21.00
S05-E002	Head	20.24	20.24	20.24	21.00
	Tail	20.20	20.20	20.20	21.00
S05-E003	Head	20.20	20.20	20.20	21.00
	Tail	20.99	20.99	20.99	21.00
S05-E004	Head	20.99	20.99	20.99	21.00
	Tail	20.27	20.27	20.28	21.00
S05-F001	Head	20.27	20.27	20.27	21.00
	Tail	20.49	20.49	20.50	21.00
S05-F002	Head	20.49	20.49	20.50	21.00
	Tail	21.09	21.09	21.09	21.00
S05-F003	Head	21.09	21.09	21.09	21.00
	Tail	20.21	20.21	20.22	21.00
S05-G001	Head	20.21	20.21	20.22	21.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	20.99	20.99	20.99	21.00
S05-G002	Head	20.99	20.99	20.99	21.00
	Tail	20.37	20.37	20.38	21.00
S05-H001	Head	20.37	20.37	20.38	21.00
	Tail	23.25	23.25	23.23	21.00
S05-H002	Head	23.25	23.25	23.23	21.00
	Tail	21.08	21.08	21.08	21.00
S05-H003	Head	21.08	21.08	21.08	21.00
	Tail	22.67	22.67	22.66	21.00
S05-H004	Head	22.67	22.67	22.66	21.00
	Tail	20.48	20.48	20.48	21.00
S05-H005	Head	20.48	20.48	20.48	21.00
	Tail	22.30	22.30	22.29	21.00
S05-H006	Head	22.30	22.30	22.29	21.00
	Tail	21.99	21.99	21.99	21.00
S05-I001	Head	21.99	21.99	21.98	21.00
	Tail	21.42	21.42	21.42	21.00
S05-I002	Head	21.42	21.42	21.42	21.00
	Tail	21.42	21.42	21.41	21.00
S05-I003	Head	21.42	21.42	21.41	21.00
	Tail	21.14	21.14	21.14	21.00
S05-I004	Head	21.14	21.14	21.14	21.00
	Tail	20.99	20.99	20.99	21.00
S05-J001	Head	20.99	20.99	20.99	21.00
	Tail	20.20	20.20	20.20	21.00
S05-J002	Head	20.20	20.20	20.21	21.00
	Tail	20.92	20.92	20.92	21.00
S05-J003	Head	20.92	20.92	20.92	21.00
	Tail	20.23	20.23	20.24	21.00
S05-L001	Head	20.23	20.23	20.24	21.00
	Tail	20.07	20.07	20.08	21.00
S05-L002	Head	20.07	20.07	20.08	21.00
	Tail	21.08	21.08	21.08	21.00
S05-L003	Head	21.08	21.08	21.08	21.00
	Tail	20.94	20.94	20.94	21.00
P01-A001	Head	20.62	20.62	20.63	24.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	21.02	21.02	21.03	24.00
P01-A002	Head	21.02	21.02	21.03	24.00
	Tail	20.74	20.74	20.76	24.00
P01-B001	Head	20.74	20.74	20.76	24.00
	Tail	21.06	21.06	21.08	24.00
P01-B002	Head	21.06	21.06	21.08	24.00
	Tail	20.91	20.91	20.93	24.00
P01-B003	Head	20.91	20.91	20.93	24.00
	Tail	20.77	20.77	20.79	24.00
P01-C001	Head	20.77	20.77	20.79	24.00
	Tail	21.39	21.39	21.40	24.00
P01-C002	Head	21.39	21.39	21.40	24.00
	Tail	21.31	21.31	21.32	24.00
P01-D001	Head	21.31	21.31	21.32	24.00
	Tail	21.45	21.45	21.47	24.00
P01-D002	Head	21.45	21.45	21.47	24.00
	Tail	21.24	21.24	21.26	24.00
P01-E001	Head	21.24	21.24	21.26	24.00
	Tail	22.22	22.22	22.23	24.00
P01-F001	Head	22.22	22.22	22.23	24.00
	Tail	22.62	22.62	22.63	24.00
P01-G001	Head	22.62	22.62	22.63	24.00
	Tail	22.68	22.68	22.69	24.00
P01-G002	Head	22.68	22.68	22.69	24.00
	Tail	21.59	21.59	21.61	24.00
P01-G003	Head	21.59	21.59	21.61	24.00
	Tail	22.35	22.35	22.36	24.00
P01-H001	Head	22.35	22.35	22.36	24.00
	Tail	22.77	22.77	22.78	24.00
P01-H002	Head	22.77	22.77	22.78	24.00
	Tail	21.90	21.90	21.91	24.00
P01-H003	Head	21.90	21.90	21.91	24.00
	Tail	23.83	23.83	23.83	24.00
P01-H004	Head	23.83	23.83	23.83	24.00
	Tail	23.08	23.08	23.09	24.00
P01-I001	Head	23.08	23.08	23.09	24.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	23.01	23.01	23.02	24.00
P01-I002	Head	23.01	23.01	23.02	24.00
	Tail	23.55	23.55	23.55	24.00
P01-J001	Head	23.55	23.55	23.55	24.00
	Tail	23.35	23.35	23.36	24.00
P01-J002	Head	23.35	23.35	23.36	24.00
	Tail	24.01	24.01	24.01	24.00
P01-J003	Head	24.01	24.01	24.01	24.00
	Tail	23.84	23.84	23.84	24.00
P01-L001	Head	23.84	23.84	23.84	24.00
	Tail	23.38	23.38	23.38	24.00
S01-F002	Head	30.21	30.21	30.17	21.00
	Tail	28.96	28.96	28.93	21.00
S01-A001	Head	48.00	48.00	47.89	21.00
	Tail	47.20	47.20	47.09	21.00
N10-A004	Head	38.35	38.35	38.28	26.00
	Tail	37.30	37.30	37.24	26.00
S01-E001	Head	35.89	35.89	35.83	21.00
	Tail	34.88	34.88	34.82	21.00
S02-E001	Head	27.46	27.46	27.43	21.00
	Tail	28.24	28.24	28.20	21.00
S02-F008	Head	22.75	22.75	22.74	21.00
	Tail	23.92	23.92	23.91	21.00
S02-F001	Head	25.30	25.30	25.28	21.00
	Tail	25.81	25.81	25.79	21.00
S02-F002	Head	25.81	25.81	25.79	21.00
	Tail	23.03	23.03	23.02	21.00
S02-F003	Head	23.03	23.03	23.02	21.00
	Tail	24.07	24.07	24.06	21.00
S02-F004	Head	24.07	24.07	24.06	21.00
	Tail	22.97	22.97	22.96	21.00
S02-F005	Head	22.97	22.97	22.96	21.00
	Tail	23.65	23.65	23.64	21.00
S02-F006	Head	23.65	23.65	23.64	21.00
	Tail	22.50	22.50	22.50	21.00
S02-F007	Head	22.50	22.50	22.50	21.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	22.75	22.75	22.74	21.00
S02-F009	Head	23.92	23.92	23.91	21.00
	Tail	22.66	22.66	22.65	21.00
N09_A001	Head	25.66	25.66	25.66	26.00
	Tail	25.95	25.95	25.95	26.00
N09_A002	Head	25.95	25.95	25.95	26.00
	Tail	25.23	25.23	25.24	26.00
N09_A003	Head	25.23	25.23	25.24	26.00
	Tail	25.74	25.74	25.75	26.00
N09_A004	Head	25.74	25.74	25.75	26.00
	Tail	25.48	25.48	25.48	26.00
N09_A005	Head	25.48	25.48	25.48	26.00
	Tail	25.60	25.60	25.60	26.00
N09_B001	Head	25.60	25.60	25.60	26.00
	Tail	25.70	25.70	25.71	26.00
N09_B002	Head	25.70	25.70	25.71	26.00
	Tail	25.24	25.24	25.25	26.00
N09_B003	Head	25.24	25.24	25.25	26.00
	Tail	25.62	25.62	25.62	26.00
N09_B004	Head	25.62	25.62	25.62	26.00
	Tail	25.30	25.30	25.30	26.00
N09_B005	Head	25.30	25.30	25.30	26.00
	Tail	25.53	25.53	25.54	26.00
N09_B006	Head	25.53	25.53	25.54	26.00
	Tail	24.97	24.97	24.98	26.00
N09_B007	Head	24.97	24.97	24.98	26.00
	Tail	25.14	25.14	25.14	26.00
N09_C001	Head	25.14	25.14	25.14	26.00
	Tail	25.45	25.45	25.46	26.00
N09_C002	Head	25.45	25.45	25.46	26.00
	Tail	24.65	24.65	24.65	26.00
N09_C003	Head	24.65	24.65	24.65	26.00
	Tail	25.13	25.13	25.13	26.00
N09_C004	Head	25.13	25.13	25.13	26.00
	Tail	24.62	24.62	24.63	26.00
N09_C005	Head	24.62	24.62	24.63	26.00

Pipe Wall Temperature Summary					
Pipe Name		Fluid Temp	Inner Wall Temp	Outer Wall Temp	Ambient Temp
		Deg C	Deg C	Deg C	Deg C
	Tail	24.98	24.98	24.98	26.00
N09_D001	Head	24.98	24.98	24.98	26.00
	Tail	25.17	25.17	25.17	26.00
N09_D002	Head	25.17	25.17	25.17	26.00
	Tail	24.74	24.74	24.75	26.00
N09_D003	Head	24.74	24.74	24.75	26.00
	Tail	25.27	25.27	25.28	26.00
N09_D004	Head	25.27	25.27	25.28	26.00
	Tail	24.79	24.79	24.80	26.00
N09_D005	Head	24.79	24.79	24.80	26.00
	Tail	25.15	25.15	25.15	26.00
N09_D006	Head	25.15	25.15	25.15	26.00
	Tail	24.61	24.61	24.62	26.00
N09_D007	Head	24.61	24.61	24.62	26.00
	Tail	25.13	25.13	25.14	26.00
N09_D008	Head	25.13	25.13	25.14	26.00
	Tail	24.63	24.63	24.64	26.00
N09_D009	Head	24.63	24.63	24.64	26.00
	Tail	24.82	24.82	24.83	26.00

Equipment Hydraulic Summary Report : 0.000 hours

Equipment Summary								
Equipment Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
BOL_VES_001	PercentOpen	97.89	97.89	17744.730	45.59	45.59	0.6325	35.97
BOL_VES_002	PercentOpen	96.14	96.14	17744.730	41.19	41.19	0.6325	35.97
BOL_VES_003	PercentOpen	94.93	94.93	17744.730	38.86	38.86	0.6325	35.97
BOL_VES_004	PercentOpen	93.13	93.13	17744.730	36.20	36.20	0.6325	35.97

Equipment Summary								
Equipment Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
BOL_VES_005	PercentOpen	89.55	89.55	17744.730	32.85	32.85	0.6325	35.97
BOL_VES_006	PercentOpen	87.47	87.47	17744.731	31.52	31.52	0.6325	35.97
BOL_VES_007	PercentOpen	85.56	85.56	17744.731	30.63	30.63	0.6325	35.97
BOL_VES_008	PercentOpen	96.97	96.97	17712.648	39.21	39.21	0.6325	35.97
BOL_VES_009	PercentOpen	95.59	95.59	17712.648	36.79	36.79	0.6325	35.97
BOL_VES_010	PercentOpen	93.44	93.44	17712.648	34.73	34.73	0.6325	35.97
BOL_VES_011	PercentOpen	93.00	93.00	17712.649	33.85	33.85	0.6325	35.97
BOL_VES_012	PercentOpen	89.95	89.95	17712.650	31.66	31.66	0.6325	35.97
BOL_VES_013	PercentOpen	87.94	87.94	17712.650	30.71	30.71	0.6325	35.97
BOL_VES_014	PercentOpen	85.85	85.85	17712.651	29.96	29.96	0.6325	35.97
BOL_VES_015	PercentOpen	98.87	98.87	17681.115	40.60	40.60	0.6325	35.97
BOL_VES_016	PercentOpen	96.86	96.86	17681.115	37.20	37.20	0.6325	35.97
10_VES_060	PercentOpen	91.22	91.22	17681.116	31.05	31.05	0.6325	35.97
10_VES_070	PercentOpen	89.50	89.50	17681.116	29.88	29.88	0.6325	35.97
10_VES_080	PercentOpen	87.58	87.58	17681.117	28.87	28.87	0.6325	35.97
10_VES_090	PercentOpen	85.55	85.55	17681.118	28.04	28.04	0.6325	35.97
10_VES_140	PercentOpen	81.38	81.38	17681.119	26.93	26.93	0.6325	35.97
10_VES_150	PercentOpen	79.15	79.15	17681.120	26.42	26.42	0.6325	35.97
10_VES_160	PercentOpen	76.81	76.81	17681.121	25.77	25.77	0.6325	35.97
10_VES_170	PercentOpen	75.06	75.06	17681.121	26.01	26.01	0.6325	35.97
10_VES_190	PercentOpen	98.31	98.31	17618.878	43.61	43.61	0.6325	35.97
10_VES_200	PercentOpen	95.91	95.91	17618.878	38.95	38.95	0.6325	35.97
10_VES_280	PercentOpen	87.36	87.36	17118.728	29.78	29.78	0.6325	35.97
10_VES_290	PercentOpen	85.07	85.07	17118.728	28.51	28.51	0.6325	35.97
10_VES_300	PercentOpen	83.51	83.51	17118.728	28.18	28.18	0.6325	35.97
10_VES_320	PercentOpen	79.43	79.43	17118.728	26.88	26.88	0.6325	35.97
10_VES_330	PercentOpen	77.63	77.63	17118.728	26.84	26.84	0.6325	35.97
10_VES_340	PercentOpen	76.27	76.27	17118.728	26.90	26.90	0.6325	35.97
10_VES_350	PercentOpen	74.35	74.34	17118.728	26.33	26.33	0.6325	35.97
10_VES_400	PercentOpen	98.40	98.40	17057.400	42.27	42.27	0.6325	35.97
10_VES_420	PercentOpen	95.21	95.21	14936.700	33.81	33.81	0.6325	35.97
10_VES_430	PercentOpen	93.53	93.53	14936.700	31.31	31.31	0.6325	35.97
10_VES_450	PercentOpen	90.95	90.95	14936.700	28.27	28.27	0.6325	35.97
10_VES_460	PercentOpen	88.77	88.77	14913.500	26.71	26.71	0.6325	35.97
10_VES_470	PercentOpen	87.57	87.57	14834.680	26.14	26.14	0.6325	35.97

Equipment Summary								
Equipment Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
10_VES_540	PercentOpen	85.12	85.12	14834.680	25.60	25.60	0.6325	35.97
10_VES_550	PercentOpen	83.27	83.27	14761.230	25.14	25.14	0.6325	35.97
10_VES_560	PercentOpen	81.17	81.17	14761.230	24.98	24.98	0.6325	35.97
10_VES_580	PercentOpen	98.69	98.69	14511.670	37.30	37.30	0.6325	35.97
10_VES_590	PercentOpen	97.71	97.71	14511.670	34.02	34.02	0.6325	35.97
10_VES_610	PercentOpen	92.69	92.69	14288.140	28.20	28.20	0.6325	35.97
10_VES_660	PercentOpen	90.29	90.29	14000.000	27.33	27.33	0.6325	35.97
10_VES_670	PercentOpen	90.81	90.81	13999.200	28.02	28.02	0.6325	35.97
10_VES_680	PercentOpen	89.64	89.64	12756.230	27.05	27.05	0.6325	35.97
10_VES_690	PercentOpen	89.24	89.24	11612.200	26.71	26.71	0.6325	35.97
40_VES_040	PercentOpen	97.98	97.98	12371.690	44.43	44.43	0.6325	35.97
40_VES_050	PercentOpen	96.09	96.09	12103.689	41.45	41.45	0.6325	35.97
40_VES_060	PercentOpen	94.95	94.95	12044.289	39.18	39.18	0.6325	35.97
40_VES_070	PercentOpen	92.28	92.28	12044.287	35.89	35.89	0.6325	35.97
40_VES_080	PercentOpen	89.52	89.52	11522.084	32.37	32.37	0.6325	35.97
40_VES_090	PercentOpen	85.90	85.90	11072.980	28.96	28.96	0.6325	35.97
40_VES_100	PercentOpen	83.19	83.19	10910.975	27.32	27.32	0.6325	35.97
40_VES_110	PercentOpen	80.69	80.69	10910.968	26.35	26.35	0.6325	35.97
40_VES_120	PercentOpen	77.11	77.11	10905.839	25.14	25.14	0.6325	35.97
40_VES_130	PercentOpen	72.19	72.19	10905.825	23.99	23.99	0.6325	35.97
40_VES_160	PercentOpen	67.81	67.81	10905.808	23.46	23.46	0.6325	35.97
40_VES_140	PercentOpen	94.75	94.75	10853.044	39.31	39.31	0.6325	35.97
40_VES_150	PercentOpen	91.55	91.54	10853.042	33.84	33.84	0.6325	35.97
40_VES_200	PercentOpen	88.39	88.39	10853.039	30.18	30.18	0.6325	35.97
40_VES_210	PercentOpen	85.48	85.48	10853.033	27.46	27.46	0.6325	35.97
40_VES_220	PercentOpen	82.68	82.68	10853.025	25.30	25.30	0.6325	35.97
40_VES_230	PercentOpen	78.52	78.52	10853.013	22.66	22.66	0.6325	35.97
40_VES_240	PercentOpen	72.40	72.40	10852.999	20.57	20.57	0.6325	35.97
40_VES_250	PercentOpen	67.08	67.08	10852.984	20.10	20.10	0.6325	35.97
40_VES_260	PercentOpen	62.65	62.65	10852.973	19.66	19.66	0.6325	35.97
40_VES_270	PercentOpen	59.13	59.13	4200.461	20.01	20.01	0.6325	35.97
60_VES_040	PercentOpen	72.55	72.55	4192.475	28.56	28.56	0.6325	35.97
60_VES_050	PercentOpen	71.02	71.02	4192.476	23.23	23.23	0.6325	35.97
60_VES_060	PercentOpen	70.56	70.56	4192.477	22.20	22.20	0.6325	35.97
60_VES_070	PercentOpen	74.25	74.25	4192.478	23.87	23.87	0.6325	35.97

Equipment Summary								
Equipment Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
60_VES_080	PercentOpen	73.00	73.00	4083.380	21.82	21.82	0.6325	35.97
60_VES_090	PercentOpen	71.40	71.40	3696.884	20.95	20.95	0.6325	35.97
60_VES_100	PercentOpen	69.28	69.28	3696.888	20.55	20.55	0.6325	35.97
60_VES_110	PercentOpen	68.85	68.85	3541.995	21.76	21.76	0.6325	35.97
60_VES_120	PercentOpen	67.86	67.86	3542.000	21.25	21.25	0.6325	35.97
60_VES_270	PercentOpen	67.42	67.42	3524.504	21.00	21.00	0.6325	35.97
60_VES_320	PercentOpen	66.41	66.41	3239.514	21.37	21.37	0.6325	35.97
60_VES_190	PercentOpen	72.28	72.28	3167.741	23.11	23.11	0.6325	35.97
60_VES_200	PercentOpen	67.00	67.00	3167.746	19.82	19.82	0.6325	35.97
60_VES_210	PercentOpen	67.53	67.53	3167.757	21.77	21.77	0.6325	35.97
60_VES_220	PercentOpen	66.93	66.93	3167.770	21.54	21.54	0.6325	35.97
60_VES_230	PercentOpen	65.49	65.49	3044.784	21.20	21.20	0.6325	35.97
60_VES_240	PercentOpen	62.56	62.56	3044.790	19.25	19.25	0.6325	35.97
60_VES_250	PercentOpen	63.52	63.52	3044.804	21.76	21.76	0.6325	35.97
60_VES_290	PercentOpen	74.50	74.50	2800.272	35.54	35.54	0.6325	35.97
80_VES_020	PercentOpen	73.82	73.82	2463.274	23.94	23.94	0.6325	35.97
80_VES_030	PercentOpen	71.62	71.62	2463.278	21.44	21.44	0.6325	35.97
80_VES_040	PercentOpen	63.69	63.69	2463.282	15.85	15.85	0.6325	35.97
80_VES_050	PercentOpen	62.34	62.34	2463.291	19.72	19.72	0.6325	35.97
80_VES_060	PercentOpen	61.16	61.16	2463.299	20.27	20.27	0.6325	35.97
80_VES_070	PercentOpen	58.87	58.87	2333.513	20.21	20.21	0.6325	35.97
80_VES_080	PercentOpen	56.81	56.81	2333.532	20.37	20.37	0.6325	35.97
80_VES_090	PercentOpen	58.47	58.47	2321.857	21.99	21.99	0.6325	35.97
80_VES_100	PercentOpen	56.96	56.96	2143.075	20.99	20.99	0.6325	35.97
80_VES_110	PercentOpen	55.15	55.15	2143.088	20.23	20.23	0.6325	35.97
10_VES_050	PercentOpen	72.19	72.19	7339.090	20.77	20.77	0.6325	35.97
90_VES_060	PercentOpen	71.40	71.40	7339.090	21.31	21.31	0.6325	35.97
90_VES_070	PercentOpen	69.69	69.69	6618.400	21.24	21.24	0.6325	35.97
90_VES_080	PercentOpen	68.61	68.61	6618.400	22.22	22.22	0.6325	35.97
90_VES_090	PercentOpen	67.82	67.82	6618.400	22.62	22.62	0.6325	35.97
90_VES_100	PercentOpen	66.28	66.28	6618.400	22.35	22.35	0.6325	35.97
90_VES_110	PercentOpen	65.27	65.27	6618.400	23.08	23.08	0.6325	35.97
90_VES_120	PercentOpen	64.65	64.65	6020.000	23.55	23.55	0.6325	35.97
90_VES_130	PercentOpen	64.49	64.49	6020.000	23.84	23.84	0.6325	35.97
MTN	PercentOpen	94.86	94.86	17681.115	34.96	34.96	0.6325	35.97

Equipment Summary								
Equipment Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
10_VES_040	PercentOpen	93.28	93.28	17681.116	32.89	32.89	0.6325	35.97
10_VES_210	PercentOpen	94.24	94.24	17618.878	35.61	35.61	0.6325	35.97
10_VES_410	PercentOpen	96.52	96.52	17057.400	38.15	38.15	0.6325	35.97
10_VES_600	PercentOpen	95.89	95.89	14511.670	31.24	31.24	0.6325	35.97
90_VES_040	PercentOpen	73.94	73.94	8722.550	20.74	20.74	0.6325	35.97
60_VES_140	PercentOpen	75.00	75.00	3233.739	31.98	31.98	0.6325	35.97
HUB7	PercentOpen	65.00	88.61	0.000	25.00	26.29	0.6325	35.97
HUB8	PercentOpen	65.00	65.00	-12701.980	25.00	25.00	0.6325	35.97
ARA1	PercentOpen	59.13	59.13	3009.500	20.01	20.01	0.6325	35.97
CAN1	PercentOpen	55.02	55.02	641.800	20.94	20.94	0.6325	35.97
CAN2	PercentOpen	55.02	55.02	589.400	20.94	20.94	0.6325	35.97
HUB1	PercentOpen	88.61	88.61	11247.550	26.29	26.29	0.6325	35.97
HUB2	PercentOpen	88.61	65.00	0.000	26.29	25.00	0.6325	35.97
HUB3	PercentOpen	65.00	65.00	12701.980	25.00	25.00	0.6325	35.97
HUB4	PercentOpen	88.61	65.00	0.000	26.29	25.00	0.6325	35.97
HUB5	PercentOpen	88.61	88.61	8722.550	26.29	26.29	0.6325	35.97
HUB6	PercentOpen	88.61	88.61	338.900	26.29	26.29	0.6325	35.97
HUB9	PercentOpen	88.61	88.61	2525.000	26.29	26.29	0.6325	35.97
HUB10	PercentOpen	88.61	65.00	0.000	26.29	25.00	0.6325	35.97
RES_IZG	Resistance	91.67	91.58	17744.730	34.52	34.49	0.6325	35.97
RES_CQT	Resistance	82.87	82.78	17744.731	29.59	29.55	0.6325	35.97
RES_RBR	Resistance	91.86	91.78	17712.649	32.86	32.83	0.6325	35.97
RES_YAC	Resistance	83.74	83.64	17712.652	29.46	29.43	0.6325	35.97
RES_CBA	Resistance	91.92	91.79	17681.116	31.61	31.56	0.6325	35.97
RES_MRD	Resistance	83.31	83.17	17681.118	27.40	27.35	0.6325	35.97
RES_ANT	Resistance	73.32	73.15	17681.122	25.89	25.82	0.6325	35.97
RES_CGR	Resistance	90.38	90.24	17118.728	32.03	31.98	0.6325	35.97
RES_RRP	Resistance	82.31	82.16	17118.728	28.06	28.00	0.6325	35.97
RES_TLG	Resistance	72.86	72.68	17118.728	26.46	26.38	0.6325	35.97
RES_MIR	Resistance	92.30	92.17	14936.700	29.69	29.65	0.6325	35.97
RES_PEN	Resistance	86.22	86.08	14834.680	25.72	25.66	0.6325	35.97
RES_IAC	Resistance	79.68	79.53	14606.370	24.82	24.76	0.6325	35.97
RES_SCA	Resistance	91.93	91.81	14288.140	27.85	27.80	0.6325	35.97
RES_BIG	Resistance	65.27	65.27	3239.528	21.15	21.15	0.6325	35.97
RES_SID	Resistance	61.36	61.36	2804.717	20.40	20.40	0.6325	35.97

Equipment Summary								
Equipment Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
RES_ARC	Resistance	59.13	58.73	4200.461	20.01	19.83	0.6325	35.97
RES_PLN	Resistance	65.00	64.45	12701.980	25.00	24.76	0.6325	35.97
RES_CBO	Resistance	67.81	67.50	10905.808	23.46	23.33	0.6325	35.97
ERP ARC	Bypass	73.18	73.18	4192.475	33.86	33.86	0.6325	35.97
ERP PLN	MaximumDownstreamPressure	88.61	75.00	8722.550	26.29	20.62	0.6325	35.97
COOL_IZG	Resistance	91.58	91.46	17744.730	34.49	34.49	0.6325	35.97
COOL_CQT	Resistance	99.00	99.00	17712.648	43.00	43.00	0.6325	35.97
COOL_RBR	Resistance	91.78	91.77	17712.649	32.83	32.83	0.6325	35.97
COOL_YAC	Resistance	99.80	99.80	17681.115	42.69	42.69	0.6325	35.97
COOL_CBA	Resistance	91.79	91.79	17681.116	31.56	31.56	0.6325	35.97
COOL_MRD	Resistance	83.17	83.17	17681.118	27.35	27.35	0.6325	35.97
COOL_ANT	Resistance	100.00	100.00	17618.878	50.55	48.00	0.6325	35.97
COOL_CGR	Resistance	90.24	90.24	17118.728	31.98	31.98	0.6325	35.97
COOL_RRP	Resistance	82.16	82.15	17118.728	28.00	28.00	0.6325	35.97
COOL_TLG	Resistance	100.00	100.00	17057.400	51.51	48.00	0.6325	35.97
COOL_MIR	Resistance	92.17	92.17	14936.700	29.65	29.65	0.6325	35.97
COOL_PEN	Resistance	86.08	86.07	14834.680	25.66	25.66	0.6325	35.97
COOL_IAC	Resistance	100.00	100.00	14558.050	42.40	42.40	0.6325	35.97
COOL_SCA	Resistance	91.81	91.81	14288.140	27.80	27.80	0.6325	35.97
COOL_BIG	Resistance	75.00	75.00	3233.739	31.98	31.98	0.6325	35.97
COOL_ARC	Resistance	73.50	73.18	4192.475	33.86	33.86	0.6325	35.97
COOL_PLN	Resistance	100.00	99.66	12641.690	57.96	48.00	0.6325	35.97
COOL_CBO	Resistance	100.00	99.75	10853.044	55.08	48.00	0.6325	35.97
COOL_SID	Resistance	74.50	74.50	2800.272	35.54	35.54	0.6325	35.97
IZG	Bypass	91.58	91.58	17744.730	34.49	34.49	0.6325	35.97
CQT	MaximumDownstreamPressure	82.78	99.00	17712.648	29.55	43.00	0.6325	35.97
RBR	Bypass	91.78	91.78	17712.649	32.83	32.83	0.6325	35.97
YAC	MaximumDownstreamPressure	83.64	99.80	17681.115	29.43	42.69	0.6325	35.97

Accumulated Volume Summary			
Equipment Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
BOL_VES_001	17744.7298	0.0000	24.000

Accumulated Volume Summary			
Equipment Name	**Current Flow Rate**	**Accumulated Volume**	**Timer Value**
	kSm3/d	**KPM3**	**hours**
BOL_VES_002	17744.7298	0.0000	24.000
BOL_VES_003	17744.7299	0.0000	24.000
BOL_VES_004	17744.7300	0.0000	24.000
BOL_VES_005	17744.7303	0.0000	24.000
BOL_VES_006	17744.7306	0.0000	24.000
BOL_VES_007	17744.7309	0.0000	24.000
BOL_VES_008	17712.6482	0.0000	24.000
BOL_VES_009	17712.6483	0.0000	24.000
BOL_VES_010	17712.6485	0.0000	24.000
BOL_VES_011	17712.6487	0.0000	24.000
BOL_VES_012	17712.6495	0.0000	24.000
BOL_VES_013	17712.6502	0.0000	24.000
BOL_VES_014	17712.6509	0.0000	24.000
BOL_VES_015	17681.1150	0.0000	24.000
BOL_VES_016	17681.1151	0.0000	24.000
10_VES_060	17681.1160	0.0000	24.000
10_VES_070	17681.1164	0.0000	24.000
10_VES_080	17681.1169	0.0000	24.000
10_VES_090	17681.1176	0.0000	24.000
10_VES_140	17681.1190	0.0000	24.000
10_VES_150	17681.1198	0.0000	24.000
10_VES_160	17681.1205	0.0000	24.000
10_VES_170	17681.1215	0.0000	24.000
10_VES_190	17618.8778	0.0000	24.000
10_VES_200	17618.8778	0.0000	24.000
10_VES_280	17118.7279	0.0000	24.000
10_VES_290	17118.7279	0.0000	24.000
10_VES_300	17118.7279	0.0000	24.000
10_VES_320	17118.7280	0.0000	24.000
10_VES_330	17118.7280	0.0000	24.000
10_VES_340	17118.7281	0.0000	24.000
10_VES_350	17118.7281	0.0000	24.000
10_VES_400	17057.3995	0.0000	24.000
10_VES_420	14936.6995	0.0000	24.000
10_VES_430	14936.6996	0.0000	24.000
10_VES_450	14936.6996	0.0000	24.000

Accumulated Volume Summary			
Equipment Name	**Current Flow Rate**	**Accumulated Volume**	**Timer Value**
	kSm3/d	**KPM3**	**hours**
10_VES_460	14913.4997	0.0000	24.000
10_VES_470	14834.6797	0.0000	24.000
10_VES_540	14834.6798	0.0000	24.000
10_VES_550	14761.2299	0.0000	24.000
10_VES_560	14761.2300	0.0000	24.000
10_VES_580	14511.6698	0.0000	24.000
10_VES_590	14511.6698	0.0000	24.000
10_VES_610	14288.1399	0.0000	24.000
10_VES_660	13999.9999	0.0000	24.000
10_VES_670	13999.1999	0.0000	24.000
10_VES_680	12756.2299	0.0000	24.000
10_VES_690	11612.2000	0.0000	24.000
40_VES_040	12371.6898	0.0000	24.000
40_VES_050	12103.6894	0.0000	24.000
40_VES_060	12044.2888	0.0000	24.000
40_VES_070	12044.2875	0.0000	24.000
40_VES_080	11522.0843	0.0000	24.000
40_VES_090	11072.9799	0.0000	24.000
40_VES_100	10910.9750	0.0000	24.000
40_VES_110	10910.9681	0.0000	24.000
40_VES_120	10905.8395	0.0000	24.000
40_VES_130	10905.8250	0.0000	24.000
40_VES_160	10905.8076	0.0000	24.000
40_VES_140	10853.0436	0.0000	24.000
40_VES_150	10853.0417	0.0000	24.000
40_VES_200	10853.0390	0.0000	24.000
40_VES_210	10853.0333	0.0000	24.000
40_VES_220	10853.0253	0.0000	24.000
40_VES_230	10853.0129	0.0000	24.000
40_VES_240	10852.9993	0.0000	24.000
40_VES_250	10852.9841	0.0000	24.000
40_VES_260	10852.9728	0.0000	24.000
40_VES_270	4200.4615	0.0000	24.000
60_VES_040	4192.4754	0.0000	24.000
60_VES_050	4192.4759	0.0000	24.000
60_VES_060	4192.4766	0.0000	24.000

Accumulated Volume Summary			
Equipment Name	**Current Flow Rate**	**Accumulated Volume**	**Timer Value**
	kSm3/d	**KPM3**	**hours**
60_VES_070	4192.4780	0.0000	24.000
60_VES_080	4083.3800	0.0000	24.000
60_VES_090	3696.8838	0.0000	24.000
60_VES_100	3696.8879	0.0000	24.000
60_VES_110	3541.9947	0.0000	24.000
60_VES_120	3541.9997	0.0000	24.000
60_VES_270	3524.5038	0.0000	24.000
60_VES_320	3239.5144	0.0000	24.000
60_VES_190	3167.7408	0.0000	24.000
60_VES_200	3167.7465	0.0000	24.000
60_VES_210	3167.7574	0.0000	24.000
60_VES_220	3167.7700	0.0000	24.000
60_VES_230	3044.7840	0.0000	24.000
60_VES_240	3044.7900	0.0000	24.000
60_VES_250	3044.8040	0.0000	24.000
60_VES_290	2800.2718	0.0000	24.000
80_VES_020	2463.2738	0.0000	24.000
80_VES_030	2463.2778	0.0000	24.000
80_VES_040	2463.2818	0.0000	24.000
80_VES_050	2463.2911	0.0000	24.000
80_VES_060	2463.2987	0.0000	24.000
80_VES_070	2333.5134	0.0000	24.000
80_VES_080	2333.5323	0.0000	24.000
80_VES_090	2321.8571	0.0000	24.000
80_VES_100	2143.0752	0.0000	24.000
80_VES_110	2143.0883	0.0000	24.000
10_VES_050	7339.0900	0.0000	24.000
90_VES_060	7339.0900	0.0000	24.000
90_VES_070	6618.4000	0.0000	24.000
90_VES_080	6618.4000	0.0000	24.000
90_VES_090	6618.4000	0.0000	24.000
90_VES_100	6618.4000	0.0000	24.000
90_VES_110	6618.4000	0.0000	24.000
90_VES_120	6020.0000	0.0000	24.000
90_VES_130	6020.0000	0.0000	24.000
MTN	17681.1152	0.0000	24.000

Accumulated Volume Summary			
Equipment Name	**Current Flow Rate**	**Accumulated Volume**	**Timer Value**
	kSm3/d	**KPM3**	**hours**
10_VES_040	17681.1155	0.0000	24.000
10_VES_210	17618.8779	0.0000	24.000
10_VES_410	17057.3995	0.0000	24.000
10_VES_600	14511.6698	0.0000	24.000
90_VES_040	8722.5500	0.0000	24.000
60_VES_140	3233.7388	0.0000	24.000
HUB7	0.0000	0.0000	24.000
HUB8	-12701.9805	0.0000	24.000
ARA1	3009.5000	0.0000	24.000
CAN1	641.8000	0.0000	24.000
CAN2	589.4000	0.0000	24.000
HUB1	11247.5500	0.0000	24.000
HUB2	0.0000	0.0000	24.000
HUB3	12701.9805	0.0000	24.000
HUB4	0.0000	0.0000	24.000
HUB5	8722.5500	0.0000	24.000
HUB6	338.9000	0.0000	24.000
HUB9	2525.0000	0.0000	24.000
HUB10	0.0000	0.0000	24.000
RES_IZG	17744.7301	0.0000	24.000
RES_CQT	17744.7314	0.0000	24.000
RES_RBR	17712.6490	0.0000	24.000
RES_YAC	17712.6519	0.0000	24.000
RES_CBA	17681.1158	0.0000	24.000
RES_MRD	17681.1184	0.0000	24.000
RES_ANT	17681.1222	0.0000	24.000
RES_CGR	17118.7279	0.0000	24.000
RES_RRP	17118.7279	0.0000	24.000
RES_TLG	17118.7282	0.0000	24.000
RES_MIR	14936.6996	0.0000	24.000
RES_PEN	14834.6798	0.0000	24.000
RES_IAC	14606.3701	0.0000	24.000
RES_SCA	14288.1399	0.0000	24.000
RES_BIG	3239.5280	0.0000	24.000
RES_SID	2804.7168	0.0000	24.000
RES_ARC	4200.4615	0.0000	24.000

Accumulated Volume Summary			
Equipment Name	**Current Flow Rate**	**Accumulated Volume**	**Timer Value**
	kSm3/d	**KPM3**	**hours**
RES_PLN	12701.9805	0.0000	24.000
RES_CBO	10905.8076	0.0000	24.000
ERP ARC	4192.4753	0.0000	24.000
ERP PLN	8722.5500	0.0000	24.000
COOL_IZG	17744.7301	0.0000	24.000
COOL_CQT	17712.6482	0.0000	24.000
COOL_RBR	17712.6490	0.0000	24.000
COOL_YAC	17681.1150	0.0000	24.000
COOL_CBA	17681.1158	0.0000	24.000
COOL_MRD	17681.1184	0.0000	24.000
COOL_ANT	17618.8778	0.0000	24.000
COOL_CGR	17118.7279	0.0000	24.000
COOL_RRP	17118.7279	0.0000	24.000
COOL_TLG	17057.3995	0.0000	24.000
COOL_MIR	14936.6996	0.0000	24.000
COOL_PEN	14834.6798	0.0000	24.000
COOL_IAC	14558.0498	0.0000	24.000
COOL_SCA	14288.1399	0.0000	24.000
COOL_BIG	3233.7388	0.0000	24.000
COOL_ARC	4192.4753	0.0000	24.000
COOL_PLN	12641.6899	0.0000	24.000
COOL_CBO	10853.0442	0.0000	24.000
COOL_SID	2800.2718	0.0000	24.000
IZG	17744.7301	0.0000	24.000
CQT	17712.6482	0.0000	24.000
RBR	17712.6490	0.0000	24.000
YAC	17681.1150	0.0000	24.000

Compressor Data Summary							
Compressor Name	**Head**	**Actual Flow**	**Speed**	**Adiabatic Efficiency**	**Discharge Temperature**	**Power Required**	**Power Available**
	N.m/kg	**m3/h**	**RPM**	**percent**	**Deg C**	**KW**	**KW**
IZG	0.00	7280.03		100.00	34.49	0.00	0.00
CQT	20963.33	7902.32		85.00	43.00	3929.08	28805.77
RBR	0.00	7178.62		100.00	32.83	0.00	0.00

Compressor Data Summary							
Compressor Name	Head	Actual Flow	Speed	Adiabatic Efficiency	Discharge Temperature	Power Required	Power Available
	N.m/kg	m3/h	RPM	percent	Deg C	KW	KW
YAC	20643.11	7790.63		85.00	42.69	3862.17	29492.61

Relief Valves Hydraulic Summary Report : 0.000 hours

Xreg Hydraulic Summary Report : 0.000 hours

Xreg Summary						
Xreg Name	Mode of Control	Pressure	Flow	Temperature	Specific Gravity	Heating Value
		kg/cm2g	kSm3/d	Deg C		MJ/m3
RGD	MaximumPressure	99.84	-17744.730	51.70	0.6325	35.97
Supply0001	MaximumPressure	65.00	-12701.980	25.00	0.6325	35.97
PE CBA	MaximumFlow	93.28	0.000	32.89	0.6325	35.97
PE CGR	MaximumFlow	90.38	500.150	32.03	0.6325	35.97
UTE TLG	MaximumFlow	96.52	2120.700	38.15	0.6325	35.97
PE BLC	MaximumFlow	88.69	78.820	26.79	0.6325	35.97
PE BSP	MaximumFlow	95.89	223.530	31.24	0.6325	35.97
PE SCA	MaximumFlow	90.86	288.140	27.38	0.6325	35.97
PE RCL	MaximumFlow	90.87	1242.970	27.92	0.6325	35.97
PE LMR	MaximumFlow	89.75	1144.030	27.12	0.6325	35.97
PE AMR	MaximumFlow	89.42	364.650	26.82	0.6325	35.97
PE RPL	MaximumFlow	88.61	2186.100	26.29	0.6325	35.97
PE SMR	MaximumFlow	97.12	268.000	42.90	0.6325	35.97
PE CMP	MaximumFlow	94.96	59.400	39.52	0.6325	35.97
PE ITU	MaximumFlow	89.52	450.900	32.37	0.6325	35.97
PE ACB	MaximumFlow	83.19	162.000	27.32	0.6325	35.97

Xreg Summary						
Xreg Name	Mode of Control	Pressure	Flow	Temperature	Specific Gravity	Heating Value
		kg/cm2g	kSm3/d	Deg C		MJ/m3
PE CIC ARC	MaximumFlow	59.38	1380.000	19.92	0.6325	35.97
PE RPR	MaximumFlow	59.13	3009.500	20.01	0.6325	35.97
PE JVL	MaximumFlow	73.00	109.100	21.82	0.6325	35.97
PE GMM	MaximumFlow	71.40	386.500	20.95	0.6325	35.97
PE GSP	MaximumFlow	68.85	154.900	21.76	0.6325	35.97
PE BRQ	MaximumFlow	67.86	17.500	21.30	0.6325	35.97
PE TJC	MaximumFlow	66.41	285.000	21.37	0.6325	35.97
PE SPA	MaximumFlow	73.05	66.000	26.28	0.6325	35.97
PE TBR	MaximumFlow	65.49	123.000	21.20	0.6325	35.97
PE URS	MaximumFlow	62.78	240.100	21.10	0.6325	35.97
PE NVZ	MaximumFlow	74.74	337.000	29.48	0.6325	35.97
PE VZC	MaximumFlow	58.87	129.800	20.21	0.6325	35.97
PE ARA	MaximumFlow	57.37	178.800	21.14	0.6325	35.97
PE CCH	MaximumFlow	55.35	237.900	21.08	0.6325	35.97
PE RFP	MaximumFlow	55.02	641.800	20.94	0.6325	35.97
PE CAN	MaximumFlow	55.02	674.000	20.94	0.6325	35.97
PE JGN	MaximumFlow	73.94	1383.460	20.74	0.6325	35.97
PE ITA	MaximumFlow	69.69	720.690	21.24	0.6325	35.97
PE GRM	MaximumFlow	64.65	598.400	23.55	0.6325	35.97
EMED GRM	MaximumFlow	63.73	6020.000	23.38	0.6325	35.97
PE IND	MaximumFlow	91.78	71.300	34.88	0.6325	35.97
UTE ARC	MaximumFlow	59.13	2100.000	20.01	0.6325	35.97
UTE CAN	MaximumFlow	55.02	589.400	20.94	0.6325	35.97
PE PFZ	MaximumFlow	86.99	449.100	30.21	0.6325	35.97
PE CLG	MaximumFlow	62.65	163.000	19.66	0.6325	35.97
PE GMN	MaximumFlow	99.37	270.000	47.20	0.6325	35.97
EMED GASCAR	MaximumFlow	65.00	0.000	25.00	0.6325	35.97
PE IGR	MaximumFlow	58.68	11.700	22.30	0.6325	35.97
EMED JCT	MaximumFlow	88.61	338.900	26.29	0.6325	35.97
PE GUA	MaximumFlow	84.29	73.450	25.30	0.6325	35.97
PE VLP	MaximumFlow	90.95	23.200	28.27	0.6325	35.97
PE IAC	MaximumFlow	79.68	154.860	24.82	0.6325	35.97
PE IBT	MaximumFlow	99.17	46.380	38.35	0.6325	35.97
UFN TLG	MaximumFlow	96.52	0.000	38.15	0.6325	35.97
PE ITP	MaximumFlow	77.11	5.120	25.14	0.6325	35.97
PE ITR	MaximumFlow	90.29	0.800	27.33	0.6325	35.97

Xreg Summary						
Xreg Name	Mode of Control	Pressure	Flow	Temperature	Specific Gravity	Heating Value
		kg/cm2g	kSm3/d	Deg C		MJ/m3
COM_IZG	MaximumFlow	91.58	0.000	34.49	0.6325	35.97
COMB_CQT	MaximumFlow	82.78	32.083	29.55	0.6325	35.97
COMB_RBR	MaximumFlow	91.78	0.000	32.83	0.6325	35.97
COMB_YAC	MaximumFlow	83.64	31.537	29.43	0.6325	35.97
COM_CBA	MaximumFlow	91.79	0.000	31.56	0.6325	35.97
COM_MRD	MaximumFlow	83.17	0.000	27.35	0.6325	35.97
COMB_ANT	MaximumFlow	73.15	62.244	25.82	0.6325	35.97
COMB_CGR	MaximumFlow	90.24	0.000	31.98	0.6325	35.97
COMB_RRP	MaximumFlow	82.16	0.000	28.00	0.6325	35.97
COMB_TLG	MaximumFlow	72.68	61.329	26.38	0.6325	35.97
COMB_MIR	MaximumFlow	92.17	0.000	29.65	0.6325	35.97
COMB_PEN	MaximumFlow	86.08	0.000	25.66	0.6325	35.97
COMB_IAC	MaximumFlow	79.53	48.320	24.76	0.6325	35.97
COMB_SCA	MaximumFlow	91.81	0.000	27.80	0.6325	35.97
COMB_ARC	MaximumFlow	58.73	7.986	19.83	0.6325	35.97
COMB_PLN	MaximumFlow	64.45	60.291	24.76	0.6325	35.97
COMB_CBO	MaximumFlow	67.50	52.763	23.33	0.6325	35.97
COMB_SID	MaximumFlow	61.36	4.445	20.40	0.6325	35.97
COMB_BIG	MaximumFlow	65.27	5.789	21.15	0.6325	35.97

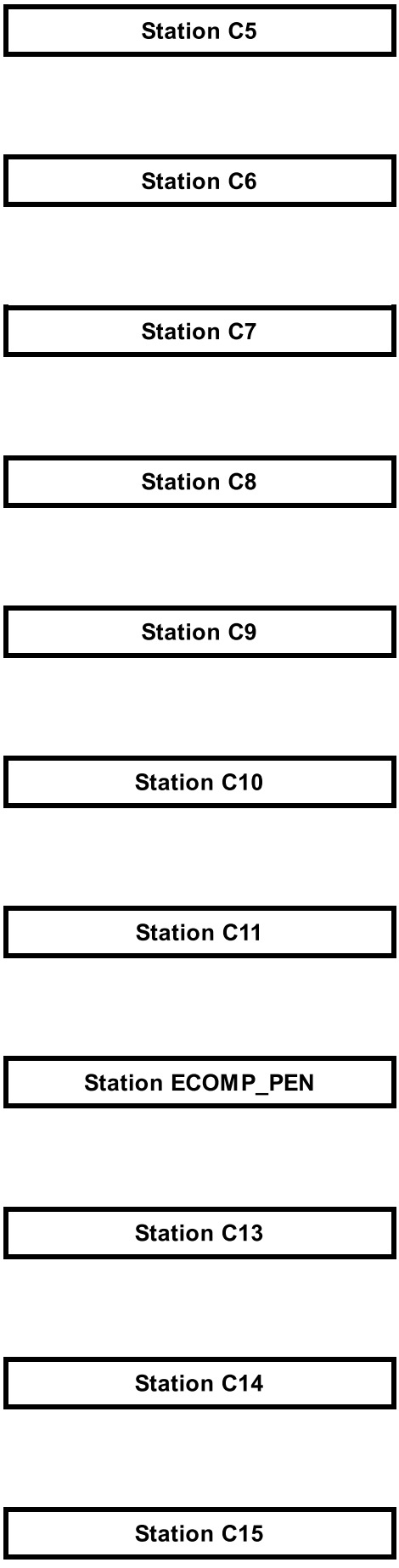
Accumulated Volume Summary			
Xreg Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
RGD	-17744.7297	0.0000	24.000
Supply0001	-12701.9805	0.0000	24.000
PE CBA	0.0000	0.0000	24.000
PE CGR	500.1500	0.0000	24.000
UTE TLG	2120.7000	0.0000	24.000
PE BLC	78.8200	0.0000	24.000
PE BSP	223.5300	0.0000	24.000
PE SCA	288.1400	0.0000	24.000
PE RCL	1242.9700	0.0000	24.000
PE LMR	1144.0300	0.0000	24.000
PE AMR	364.6500	0.0000	24.000

Accumulated Volume Summary			
Xreg Name	**Current Flow Rate**	**Accumulated Volume**	**Timer Value**
	kSm3/d	**KPM3**	**hours**
PE RPL	2186.1000	0.0000	24.000
PE SMR	268.0000	0.0000	24.000
PE CMP	59.4000	0.0000	24.000
PE ITU	450.9000	0.0000	24.000
PE ACB	162.0000	0.0000	24.000
PE CIC ARC	1380.0000	0.0000	24.000
PE RPR	3009.5000	0.0000	24.000
PE JVL	109.1000	0.0000	24.000
PE GMM	386.5000	0.0000	24.000
PE GSP	154.9000	0.0000	24.000
PE BRQ	17.5000	0.0000	24.000
PE TJC	285.0000	0.0000	24.000
PE SPA	66.0000	0.0000	24.000
PE TBR	123.0000	0.0000	24.000
PE URS	240.1000	0.0000	24.000
PE NVZ	337.0000	0.0000	24.000
PE VZC	129.8000	0.0000	24.000
PE ARA	178.8000	0.0000	24.000
PE CCH	237.9000	0.0000	24.000
PE RFP	641.8000	0.0000	24.000
PE CAN	674.0000	0.0000	24.000
PE JGN	1383.4600	0.0000	24.000
PE ITA	720.6900	0.0000	24.000
PE GRM	598.4000	0.0000	24.000
EMED GRM	6020.0000	0.0000	24.000
PE IND	71.3000	0.0000	24.000
UTE ARC	2100.0000	0.0000	24.000
UTE CAN	589.4000	0.0000	24.000
PE PFZ	449.1000	0.0000	24.000
PE CLG	163.0000	0.0000	24.000
PE GMN	270.0000	0.0000	24.000
EMED GASCAR	0.0000	0.0000	24.000
PE IGR	11.7000	0.0000	24.000
EMED JCT	338.9000	0.0000	24.000
PE GUA	73.4500	0.0000	24.000
PE VLP	23.2000	0.0000	24.000

Accumulated Volume Summary			
Xreg Name	**Current Flow Rate**	**Accumulated Volume**	**Timer Value**
	kSm3/d	**KPM3**	**hours**
PE IAC	154.8600	0.0000	24.000
PE IBT	46.3800	0.0000	24.000
UFN TLG	0.0000	0.0000	24.000
PE ITP	5.1200	0.0000	24.000
PE ITR	0.8000	0.0000	24.000
COM_IZG	0.0000	0.0000	24.000
COMB_CQT	32.0832	0.0000	24.000
COMB_RBR	0.0000	0.0000	24.000
COMB_YAC	31.5369	0.0000	24.000
COM_CBA	0.0000	0.0000	24.000
COM_MRD	0.0000	0.0000	24.000
COMB_ANT	62.2444	0.0000	24.000
COMB_CGR	0.0000	0.0000	24.000
COMB_RRP	0.0000	0.0000	24.000
COMB_TLG	61.3286	0.0000	24.000
COMB_MIR	0.0000	0.0000	24.000
COMB_PEN	0.0000	0.0000	24.000
COMB_IAC	48.3203	0.0000	24.000
COMB_SCA	0.0000	0.0000	24.000
COMB_ARC	7.9861	0.0000	24.000
COMB_PLN	60.2906	0.0000	24.000
COMB_CBO	52.7634	0.0000	24.000
COMB_SID	4.4450	0.0000	24.000
COMB_BIG	5.7891	0.0000	24.000

Storage Hydraulic Summary Report : 0.000 hours

Station Hydraulic Summary Report : 0.000 hours


Station C5
Station C6
Station C7
Station C8
Station C9
Station C10
Station C11
Station ECOMP_PEN
Station C13
Station C14
Station C15

Station C-17

Station C18

Station Station0032

Station Station0033

Bank Summary								
Bank Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
CBA	Bypass	91.79	91.79	17681.116	31.56	31.56	0.6325	35.97
MRD	Bypass	83.17	83.17	17681.118	27.35	27.35	0.6325	35.97
ANT	MaximumDownstreamPressure	73.15	100.00	17618.878	25.82	50.55	0.6325	35.97
CGR	Bypass	90.24	90.24	17118.728	31.98	31.98	0.6325	35.97
RRP	Bypass	82.16	82.16	17118.728	28.00	28.00	0.6325	35.97
TLG	MaximumDownstreamPressure	72.68	100.00	17057.400	26.38	51.51	0.6325	35.97
MIR	Bypass	92.17	92.17	14936.700	29.65	29.65	0.6325	35.97
PEN	Bypass	86.08	86.08	14834.680	25.66	25.66	0.6325	35.97
IAC	MaximumDownstreamPressure	79.53	100.00	14558.050	24.76	42.40	0.6325	35.97
SCA	Bypass	91.81	91.81	14288.140	27.80	27.80	0.6325	35.97
ARC	MaximumDownstreamPressure	58.73	73.50	4192.475	19.83	33.86	0.6325	35.97
PLN	MaximumDownstreamPressure	64.45	100.00	12641.690	24.76	57.96	0.6325	35.97
CBO	MaximumDownstreamPressure	67.50	100.00	10853.044	23.33	55.08	0.6325	35.97
SID_mod	MaximumDownstreamPressure	61.36	74.50	2800.272	20.40	35.54	0.6325	35.97
BIG	MaximumDownstreamPressure	65.27	75.00	3233.739	21.15	31.98	0.6325	35.97

Member Summary								
Member Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		

Member Summary								
Member Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
CBA-B	Closed	88.26	88.26	0.000	31.56	31.56	0.6325	35.97
CBA-A	Closed	88.26	88.26	0.000	31.56	31.56	0.6325	35.97
MRD-B	Closed	88.26	88.26	0.000	27.35	27.35	0.6325	35.97
MRD-A	Closed	88.26	88.26	0.000	27.35	27.35	0.6325	35.97
ANT-B	Closed	73.15	100.00	0.000	25.82	50.55	0.6325	35.97
ANT-A	BankControl	73.15	100.00	17618.878	25.82	50.55	0.6325	35.97
CGR-D	Closed	88.26	88.26	0.000	31.98	31.98	0.6325	35.97
CGR-C	Closed	88.26	88.26	0.000	31.98	31.98	0.6325	35.97
CGR-B	Closed	88.26	88.26	0.000	31.98	31.98	0.6325	35.97
CGR-A	Closed	88.26	88.26	0.000	31.98	31.98	0.6325	35.97
RRP-B	Closed	88.26	88.26	0.000	28.00	28.00	0.6325	35.97
RRP-A	Closed	88.26	88.26	0.000	28.00	28.00	0.6325	35.97
TLG-A	BankControl	72.68	100.00	17057.400	26.38	51.51	0.6325	35.97
TLG-B	Closed	72.68	100.00	0.000	26.38	51.51	0.6325	35.97
MIR-B	Closed	88.26	88.26	0.000	29.65	29.65	0.6325	35.97
MIR-A	Closed	88.26	88.26	0.000	29.65	29.65	0.6325	35.97
PEN-D	Closed	88.26	88.26	0.000	25.66	25.66	0.6325	35.97
PEN-C	Closed	88.26	88.26	0.000	25.66	25.66	0.6325	35.97
PEN-B	Closed	88.26	88.26	0.000	25.66	25.66	0.6325	35.97
PEN-A	Closed	88.26	88.26	0.000	25.66	25.66	0.6325	35.97
IAC-B	Closed	79.53	100.00	0.000	24.76	42.40	0.6325	35.97
IAC-A	BankControl	79.53	100.00	14558.050	24.76	42.40	0.6325	35.97
SCA-B	Closed	88.26	88.26	0.000	27.80	27.80	0.6325	35.97
SCA-A	Closed	88.26	88.26	0.000	27.80	27.80	0.6325	35.97
ARC_MCD	BankControl	58.73	73.50	1397.492	19.83	33.86	0.6325	35.97
ARC_MCC	Closed	58.73	73.50	0.000	19.83	33.86	0.6325	35.97
ARC_MCB	BankControl	58.73	73.50	1397.492	19.83	33.86	0.6325	35.97
ARC_MCA	BankControl	58.73	73.50	1397.492	19.83	33.86	0.6325	35.97
PLN-A	BankControl	64.44	100.00	12641.690	24.76	57.96	0.6325	35.97
PLN-B	Closed	64.44	100.00	0.000	24.76	57.96	0.6325	35.97
CBO-C	Closed	67.50	100.00	0.000	23.33	55.08	0.6325	35.97
CBO-B	BankControl	67.50	100.00	5426.522	23.33	55.08	0.6325	35.97
CBO-A	BankControl	67.50	100.00	5426.522	23.33	55.08	0.6325	35.97
SID_MCC	Closed	61.36	74.50	0.000	20.40	35.54	0.6325	35.97
SID_MCB	BankControl	61.36	74.50	1400.136	20.40	35.54	0.6325	35.97

Member Summary								
Member Name	Mode of Control	Pressure		Flow	Temperature		Specific Gravity	Heating Value
		kg/cm2g		kSm3/d	Deg C			MJ/m3
		Up	Down		Up	Down		
SID_MCA	BankControl	61.36	74.50	1400.136	20.40	35.54	0.6325	35.97
SID_MCD	Closed	61.36	74.50	0.000	20.40	35.54	0.6325	35.97
BIG_MCC	Closed	65.27	75.00	0.000	21.15	31.98	0.6325	35.97
BIG_MCB	BankControl	65.27	75.00	1616.869	21.15	31.98	0.6325	35.97
BIG_MCA	BankControl	65.27	75.00	1616.869	21.15	31.98	0.6325	35.97

Accumulated Volume Summary			
Bank Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
CBA	17681.1158	0.0000	24.000
MRD	17681.1184	0.0000	24.000
ANT	17618.8778	0.0000	24.000
CGR	17118.7279	0.0000	24.000
RRP	17118.7279	0.0000	24.000
TLG	17057.3995	0.0000	24.000
MIR	14936.6996	0.0000	24.000
PEN	14834.6798	0.0000	24.000
IAC	14558.0498	0.0000	24.000
SCA	14288.1399	0.0000	24.000
ARC	4192.4753	0.0000	24.000
PLN	12641.6899	0.0000	24.000
CBO	10853.0442	0.0000	24.000
SID_mod	2800.2718	0.0000	24.000
BIG	3233.7388	0.0000	24.000

Accumulated Volume Summary			
Member Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
CBA-B	0.0000	0.0000	24.000
CBA-A	0.0000	0.0000	24.000
MRD-B	0.0000	0.0000	24.000
MRD-A	0.0000	0.0000	24.000

Accumulated Volume Summary			
Member Name	Current Flow Rate	Accumulated Volume	Timer Value
	kSm3/d	KPM3	hours
ANT-B	0.0000	0.0000	24.000
ANT-A	17618.8778	0.0000	24.000
CGR-D	0.0000	0.0000	24.000
CGR-C	0.0000	0.0000	24.000
CGR-B	0.0000	0.0000	24.000
CGR-A	0.0000	0.0000	24.000
RRP-B	0.0000	0.0000	24.000
RRP-A	0.0000	0.0000	24.000
TLG-A	17057.3995	0.0000	24.000
TLG-B	0.0000	0.0000	24.000
MIR-B	0.0000	0.0000	24.000
MIR-A	0.0000	0.0000	24.000
PEN-D	0.0000	0.0000	24.000
PEN-C	0.0000	0.0000	24.000
PEN-B	0.0000	0.0000	24.000
PEN-A	0.0000	0.0000	24.000
IAC-B	0.0000	0.0000	24.000
IAC-A	14558.0498	0.0000	24.000
SCA-B	0.0000	0.0000	24.000
SCA-A	0.0000	0.0000	24.000
ARC_MCD	1397.4918	0.0000	24.000
ARC_MCC	0.0000	0.0000	24.000
ARC_MCB	1397.4918	0.0000	24.000
ARC_MCA	1397.4918	0.0000	24.000
PLN-A	12641.6899	0.0000	24.000
PLN-B	0.0000	0.0000	24.000
CBO-C	0.0000	0.0000	24.000
CBO-B	5426.5221	0.0000	24.000
CBO-A	5426.5221	0.0000	24.000
SID_MCC	0.0000	0.0000	24.000
SID_MCB	1400.1359	0.0000	24.000
SID_MCA	1400.1359	0.0000	24.000
SID_MCD	0.0000	0.0000	24.000
BIG_MCC	0.0000	0.0000	24.000
BIG_MCB	1616.8694	0.0000	24.000
BIG_MCA	1616.8694	0.0000	24.000

Pressure/Flow Violation Reports : 0.000 hours

Xreg Pressure/Flow Violation					
Xreg Name	Node Name	Pressure	Flow	Mode	Violation Status
		kg/cm2g	kSm3/d		
ALL XREGS FALL WITHIN PRESSURE BOUNDS					

Equipment Pressure/Flow Violation							
Equipment Name	Up Node Name	Down Node Name	Up Pressure	Down Pressure	Flow	Mode	Violation Status
			kg/cm2g	kg/cm2g	kSm3/d		
ALL EQUIPMENTS FALL WITHIN PRESSURE BOUNDS							

Bank Pressure/Flow Violation							
Bank Name	Up Node Name	Down Node Name	Up Pressure	Down Pressure	Flow	Mode	Violation Status
			kg/cm2g	kg/cm2g	kSm3/d		
ALL BANKS FALL WITHIN PRESSURE BOUNDS							

Pipe Pressure/Flow Violation							
Pipe Name	Up Node Name	Down Node Name	Distance From Head	Pressure	Flow	Velocity	Violation Status
			km	kg/cm2g	kSm3/d	kSm3/d	
ALL INTERNAL KNOTS FALL WITHIN PRESSURE BOUNDS							

Setpoint/Constraint Violation Reports : 0.000 hours

Xreg Setpoint/Constraint Violation				
Xreg Name	**Mode**	**Setpoint Value**	**Computed Value**	**Mode Lock Status**
ALL XREGS COMPLY WITH MONITORED CONSTRAINTS				

Equipment Setpoint/Constraint Violation				
Equipment Name	**Mode**	**Setpoint Value**	**Computed Value**	**Mode Lock Status**
ALL EQUIPMENTS COMPLY WITH MONITORED CONSTRAINTS				

Bank Setpoint/Constraint Violation				
Bank Name	**Mode**	**Setpoint Value**	**Computed Value**	**Mode Lock Status**
ALL BANKS COMPLY WITH MONITORED CONSTRAINTS				

Device Locked Modes		
Type	**Name**	**Mode**
EQUIP	IZG	Bypass
EQUIP	RBR	Bypass
BANK	CBO	MaximumDownstreamPressure
BANK	SID_mod	MaximumDownstreamPressure