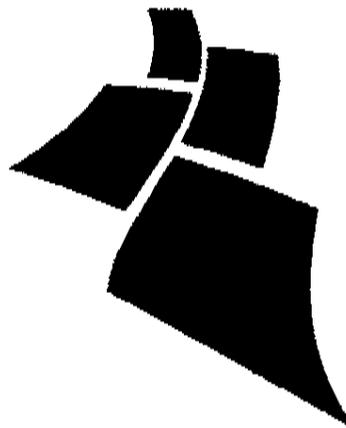


[phone] 780-568-2100
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Fax

To: Jeff Rutherford	From: Norm Bessette
Fax: 403-262-5561	Pages: Lots
Phone: 403-716-1342	Date: April 24, 2012
Re: Kakut log sheets	cc:

Urgent **For Review** **Please Comment** **Please Reply** **Please Recycle**

• **Comments:** Select this text and delete it or replace it with your own. To save changes to this template for future use, choose Save As from the File menu. In the Save As Type box, choose Document Template. Next time you want to use it, choose New from the File menu, and then double-click your template.

April/2012

Galleon Energy Inc.

Kakut

K-220 Comp. Log

Ambient Temp.
 Suction Press.
 Disch. Press.
 Suction Valve (%)
 Recycle Valve (%)
 Engine: RPM
 Coolant Temp.
 Oil Temp.
 Oil Press.
 Stage 1: Disch. Press.
 Diff.
 Stage 2: Disch. Press.
 Diff.
 Comp. Oil: Press.
 Temp.
 Disc Throw 1
 Temps Throw 2
 Throw 3
 Throw 4
 Stage 3: Disch. Press.
 Diff.
 Run Hours
 Manifold Air Temp.
 Exhaust Cylinder 1.
 Cylinder 2.
 Cylinder 3.
 Cylinder 4
 Cylinder 5
 Cylinder 6
 Cylinder 7
 Cylinder 8
 Cylinder 9
 Cylinder 10
 Cylinder 11
 Cylinder 12
 Turbo Left
 Turbo Right
 Jacket Water In
 Jacket Water Out
 Aux In
 Aux Out
 Stage 3: Scrubber Temp.
 Disch. Temp.
 Stage 2: Scrubber Temp.
 Disch. Temp.
 F.G. Press.
 Stage 1: Scrubber Temp.
 L Disch. Temp.
 R Disch. Temp.
 Start Gas Press.

	9	10	11	12	13	14	15	16	17
Ambient Temp.	2.	1.	2.	3	10.	-3	-1	0	0
Suction Press.	150	149	149	149	142	146	146	141	150
Disch. Press.	6800	6250	6200	6251	6100	6380	6321	6225	6360
Suction Valve (%)	100	100	100	100	100	100	100	100	100
Recycle Valve (%)	53	21	28	0	0	0	0	0	65
Engine: RPM	1000	999	1000	1040	1011	1074	1000	1000	1000
Coolant Temp.	80	80	80	86	80	80	80	80	80
Oil Temp.	79	79	78	79	78	78	78	79	79
Oil Press.	360	370	370	381	380	386	386	273	370
Stage 1: Disch. Press.	730	740	730	742	735	707	736	755	740
Diff.	580	590	580	592	590	582	590	603	600
Stage 2: Disch. Press.	6230	6180	6210	6179	6170	6144	6176	6218	6195
Diff.	1500	1470	1480	1437	1430	1412	1441	1454	1450
Comp. Oil: Press.	270	370	370	373	382	376	372	369	370
Temp.	75	74	74	75	73	74	74	76	75
Disc Throw 1	107	111	111	112	110	110	111	111	109
Throw 2	113	110	110	112	109	108	112	112	109
Throw 3	108	110	110	111	109	108	109	110	102
Throw 4	116	115	118	117	115	117	114	114	115
Stage 3: Disch. Press.	6820	6250	6680	6254	6380	6371	6210	6280	6360
Diff.	4580	4065	4080	4060	4119	4230	4110	4050	4190
Run Hours	28131	28143	28218	28247	28266	28290	28714	28839	28362
Manifold Air Temp.	44.	44.	43.	45	42.	42	42	43	43.
Exhaust Cylinder 1.	422	425	422	426	429	426	479	476	496
Cylinder 2.	424	423	423	420	425	421	477	473	476
Cylinder 3.	424	424	422	400	424	491	487	487	425
Cylinder 4	423	423	427	427	426	480	476	472	473
Cylinder 5	428	428	428	423	428	482	479	475	477
Cylinder 6	460	460	457	465	458	415	459	456	457
Cylinder 7	469	490	482	496	489	496	489	488	482
Cylinder 8	491	491	490	496	490	497	492	490	491
Cylinder 9	483	482	481	490	483	485	487	480	482
Cylinder 10	462	462	461	468	461	467	467	460	462
Cylinder 11	468	467	466	470	468	471	468	466	468
Cylinder 12	471	470	471	476	471	472	472	470	472
Turbo Left	464	462	462	467	464	467	465	462	464
Turbo Right	456	455	454	461	455	461	456	455	457
Jacket Water In	42.	42.	43.	42	41.	37	37	40	39.
Jacket Water Out	71.	70.	71.	71	71.	73	73	73	73.
Aux In	27.	27.	25	26	20.	14	15	18	17.
Aux Out	55	56	50.	51	50.	47	47	50	49.
Stage 3: Scrubber Temp.	27.	29.	28.	27	27	25	29	29	30.
Disch. Temp.	115.	116.	115.	112	108	108	109	108	109
Stage 2: Scrubber Temp.	30.	31.	31.	30	30	31	30	29	30.
Disch. Temp.	116.	117	117.	117	110	110	118	117	117
F.G. Press.	840	840	840	840	840	840	840	830	830
Stage 1: Scrubber Temp.	12.	12	12.	15	12	14	12	11	11
L Disch. Temp.	108	109	109	110	108	110	111	104	106
R Disch. Temp.	108	109	110	111	108	108	108	108	109
Start Gas Press.	850	859	850,	850	850,	850	850	847	840
Daytank Levels	Oil W/E 100/100	100/100	95/100	95/100	80/100	80/100	100/100	100/100	100/100
Gly W/E	95/95	95/95	95/95	95/95	95/95	95/95	75/100	75/100	75/100

Date: *April 18, 2012*

**Galleon Energy Inc.
Refridge Train A**

Kakut

Tanksafe Level
 C-3 Receiver: Level
 Press.
 Temp.
 E.G. 80/20 Tank Level
 Glycol Regen.: Pilot Press.
 Burner Press.
 Surge Tank Temp.
 Reboiler Temp.
 P-521 Heat Pump Press.
 Glycol Pump Inj. Press.
 M-922 Filter Diff. Press.
 M-921 Filter Diff. Press.
 LTS Temp.
 LTS Press.
 Condy to De-eth Temp.
 Glycol Flash Tank: Temp
 Press.
 F.G. Scrubber: Temp.
 Press.
 NGL to Cooler Temp.
 De-ethanizer: Press.
 Bottoms Temp.
 Overhead Gas Temp.
 Refridge. Comp.: Disch. Temp.
 Suct. Press.
 Disch. Press.
 Suct. Temp.
 Process Diff. Press.
 Process: Inlet Temp.
 Outlet Temp.
 Chiller Inlet Temp.
 Chiller Inlet Press.
 Mycom oil level.

	18	19	20	21	22	23	24	25	26
	✓	✓	✓	✓	✓	✓	✓		
	75	75	75	75	75	75	75		
	860	860	860	880	860	870	850		
	12	14	12	13	13	14	14		
	61	61	61	60	60	60	59		
	64	64	64	64	64	64	67		
	63	20	40	0	40	0	0		
	70	72	72	70	70	70	71		
	121	122	120	122	120	121	120		
	40	35	40	40	40	35	45		
	6700	6600	6600	6600	6600	6600	6600		
	2	2	2	2	2	2	1		
	2	2	2	2	2.5	2	1		
	-22	-21.9	-22.5	-23	-22.6	-22	-22.5		
	6400	6200	6400	6700	6200	6100	6100		
	-5	-3	-4	-4	-4	-3	-5		
	63	60	56	57	56	60	57		
	330	335	330	335	330	335	350		
	-	-	-	-	-	-	-		
	820	840	870	845	870	845	870		
	70	72	70	76	77	71	69		
	1200	1180	1200	1200	1180	1180	1200		
	66	72	67	75	69	71	67		
	2	5	3	6	5	5	4		
	70	73	69	64	69	70	67		
	63	63	63	62	62	63	63		
	971	974	974	975	973	973	971		
	-25	-23	-25	-25	-24	-24	-25		
	37	38	31	28	32	31	29.5		
	35	36	25	33	35	35	34		
	33	34	33	30	32	33	32		
	-11	-10	-11	-11	-11	-10	-11		
	6500	6300	6300	6500	6400	6200	6200		
	✓	✓	✓	✓ Add	✓	✓	✓		

Date: April 22, 2012

**Galleon Energy
Amine Train A**

Kakut

22	23	24	25	26	27	28	29	30
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Coalescer Press	6300	6200	6200					
Diff.	0	0	0					
Temp.	27	27	26					
H2S	-	-	-					
H2S Tape	-	-	-					
Contacto Temp.	33	29	30					
Press.	6200	6100	6200					
Diff.	14.3	14.4	13.9					
Sweet Scrub. Press.	6350	6200	6200					
Temp.	36	30	35					
Carbon Filter Flow	1	1	1					
Lean Amine Temp.	35	35	33					
Lean Amine Flow Rate	95	88	86					
Charge Pump Press.	6600	6500	6600					
Reflux Accum. Temp.	50	47	49					
Press.	58	58	58					
Reflux Pump Press.	390	390	390					
Booster Pump Press.	365	365	365					
Lean Amine Into Exch.	118	18	115					
Lean Amine Out Exch.	63	61	61					
Rich Amine Out Exch.	82	83	83					
Particle Filter Diff.	1	1	1					
Flash Tank Press.	570	480	615					
Reboiler Press.	80	80	80					
Reboiler Level	✓	✓	✓					
Reboiler Temp.	118	118	118					
Regen. Overhead Temp.	108	106	107					
Reflux Out Temp.	50	46	49					
Amine In Temp.	61	60	59					
Amine Out Temp.	37	34	34					
Cooler Amb. Temp.	0	2	0					
Antifoam	X	X	X					
Amine Tank	130	132	130					
Water Tank	136	130	130					

Date:

Apr 21 / 2012

**Galleon Energy
Amine Train A**

Kakut

	13	14	15	16	17	18	19	20	21
Coalescer Press	6300	6300	6300	6600	6200	6400	6200	6400	6400
Diff.	0	0	0	0	0	0	0	0	0
Temp.	24	23	23	26	27	27	28	27	27
H2S	X	X	X	X	X	-	-	-	-
H2S Tape	X	X	X	X	X	-	-	-	-
Contactorp Temp.	27	25	28	30	30	29	29	28	33
Press.	6300	6300	6300	6100	6200	6350	6200	6300	6300
Diff.	11.97	11.4	11.41	13.6	11.9	11.4	10.3	10.4	13.3
Sweet Scrub. Press.	6300	6300	6300	6100	6200	6400	6300	6400	6400
Temp.	31	37	27	31	31	37	37	37	36
Carbon Filter Flow	1	1	1	1	1	1	1	1	1
Lean Amine Temp.	35	32	33	34	35	35	35	35	35
Lean Amine Flow Rate	89.4	88	87.9	91	81.9	87	86	86	86
Charge Pump Press.	6700	6700	6500	6500	6500	6700	6700	6700	6700
Reflux Accum. Temp.	41	37	37	37	47	50	50	50	50
Press.	59	57	59	59	59	63	62	63	58
Reflux Pump Press.	390	390	390	390	390	390	390	390	390
Booster Pump Press.	380	320	270	310	310	370	370	370	365
Lean Amine Into Exch.	117	117	118	118	117	117	118	117	117
Lean Amine Out Exch.	60	61	61	63	63	63	67	67	63
Rich Amine Out Exch.	80	81	81	81	81	80	90	96	82
Particle Filter Diff.	0	0	0	0	0	1	1	1	1
Flash Tank Press.	560	560	560	560	550	440	490	480	510
Reboiler Press.	80	80	80	80	80	80	80	80	80
Reboiler Level	✓	✓	✓	✓	✓	✓	✓	✓	✓
Reboiler Temp.	119.1	119	119	119	118	118	118	118	118
Regen. Overhead Temp.	107	108	107	107	107	108	108	109	106
Reflux Out Temp.	40	45	42	44	49	41	50	48	40
Amine In Temp.	57	55	55	55	55	65	62	63	60
Amine Out Temp.	32	30	30	30	30	34	34	34	35
Cooler Amb. Temp.	0	3	-1	0	0	0	0	0	0
Antifoam	X	X	X	X	X	X	X	✓	✓
Amine Tank	114	134	140	140	140	132	132	132	132
Water Tank	180	170	172	166	159	154	150	144	140

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Galleon Energy Inc.

Kakut

K-200 Comp. Log

Date:

April 5, 2012

	5	6	7	8	9	10	11	12	13	14	15
Ambient Temp.	0	0	0	0	+2	+5	5	3	0	-3	-2
Suction Press.	152	153	151	152	150	150	145	153	178	147	156
Disch. Press.	6919	6874	6764	6847	6822	6266	6700	6261	6320	6280	6297
Suction Valve (%)	100	100	100	100	100	100	100	100	100	100	100
Recycle Valve (%)	28	0	16	0	0	0	0	0	0	0	0
Engine: RPM	1000	1074	1008	1104	1040	1165	1110	1127	1090	1200	1165
Coolant Temp.	80	80	81	81	81	81	81	81	81	81	81
Oil Temp.	82	82	82	83	83	83	83	83	82	83	83
Oil Press.	409	373	395	395	391	400	400	400	390	408	403
Stage 1: Disch. Press.	720	728	726	735	728	733	745	728	710	735	706
Diff.	361	575	576	581	588	581	560	577	560	580	611
Stage 2: Disch. Press.	2263	2311	2372	2361	2363	2235	2200	2173	2170	2231	2040
Diff.	1544	164	1608	1624	1630	1600	1488	1445	1470	1594	1273
Comp. Oil: Press.	352	355	354	357	356	360	360	358	357	358	359
Temp.	75	76	75	77	76	76	76	76	75	76	76
Disc Throw 1	114	115	113	115	116	116	117	116	114	114	114
Temp Throw 2	103	107	108	108	110	104	107	107	99	108	105
Throw 3	110	111	111	112	111	114	114	113	110	112	114
Throw 4	104	113	113	115	117	114	116	116	109	109	117
Stage 3: Disch. Press.	6915	6843	6763	6853	6826	6273	6700	6252	6321	6369	6314
Diff.	4653	4574	4454	4492	4459	4032	4500	4088	4166	4025	3702
Run Hours	2814	2817	2812	2818	2811	28534	28553	28583	28606	28630	2865
Manifold Air Temp.	43	45	44	45	46	47	47	47	45	45	45
Ehaust Cylinder 1.	455	490	490	503	500	510	508	510	510	520	511
Cylinder 2.	494	510	494	514	510	525	518	518	519	529	520
Cylinder 3.	503	514	501	522	513	528	520	521	512	529	522
Cylinder 4	474	493	480	500	493	511	501	502	493	514	503
Cylinder 5	487	500	487	500	500	518	509	510	499	522	511
Cylinder 6	461	475	462	485	475	488	483	481	475	489	483
Cylinder 7	540	552	540	564	553	575	565	566	554	575	564
Cylinder 8	518	558	545	564	557	578	569	570	558	578	565
Cylinder 9	590	551	531	561	551	569	559	561	550	562	556
Cylinder 10	523	526	523	544	533	554	544	546	535	554	542
Cylinder 11	530	541	529	550	541	560	544	552	540	559	548
Cylinder 12	526	540	526	552	540	561	549	553	540	560	549
Turbo Left	474	490	478	496	490	504	493	498	488	505	496
Turbo Right	514	520	518	537	529	544	535	539	528	543	537
Jacket Water In	48	46	48	48	51	51	50	51	45	42	46
Jacket Water Out	77	75	75	76	79	78	75	76	74	75	79
Aux In	20	21	22	22	27	27	27	27	22	19	21
Aux Out	52	52	50	52	55	55	54	53	50	52	54
Stage 3: Scrubber Temp.	15	14	18	17	22	18	17	15	15	14	18
Disch. Temp.	102	103	105	106	107	104	102	102	95	102	104
Stage 2: Scrubber Temp.	18	18	18	17	22	21	17	23	20	19	19
Disch. Temp.	109	112	111	113	118	114	112	113	107	109	119
F.G. Press.	880	860	860	870	880	840	870	850	850	860	850
Stage 1: Scrubber Temp.	12	12	10	10	15	14	17	15	12	11	15
L Disch. Temp.	105	103	104	106	105	106	106	116	100	114	110
R Disch. Temp.	103	106	102	104	108	109	109	113	101	112	110
Start Gas Press.	840	840	850	850	860	840	840	840	840	840	850
Daytank Levels	90/80	90/45	90/40	90/25	95/95	95/95	100/100	100/100	95/90	95/90	80/71
Oil W/E	80/70	80/70	80/70	80/70	80/70	80/70	80/70	80/70	80/70	80/90	80/90
Gly W/E											

