ENGINE ROOM LOG

AFT

GEARED TURBINE DRIVE

USNS GEN. JOHN POPE (T-AP-110)

FROM 12-2-66 **19** 66 **TO** JAN 3rd 1200 **19** 67

MSTS FORM 9410-1 (REV. 12-54)

INSTRUCTIONS

1. The entries in this book will be made neatly and legibly by the engineer or other person directly in charge of the machinery of the vessel, and with pen and ink or indelible pencil. No erasures nor the removal of any leaves will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or indelible pencil and writing in the correct data, followed by the initials of the person making the change. The greatest care shall be used in keeping the log book to insure absolute accuracy in all particulars.

2. All entries of time shall be made on the 24-hour basis, noon to noon.

3. Under the heading "Remarks" a careful, detailed record of the events occurring daily in the engine department shall be entered in the log book, together with notation of any violation of orders or regulations. Remarks should be preceded by the time when pertaining to important tests, casualties, injuries, etc.

4. Entries regarding the following shall also be made when occurring:

(a) Repairs, cleaning, and painting, including machinery outside the engine spaces.

(b) Faulty or erratic operation or failure of machinery.

(c) Any important changes in machinery of any nature, or additions thereto.

(d) Remetalling of bearings; fitting new piston rings; reboring cylinders; renewing pump parts, metallic packing, important valves, propeller, shafting, stern bearing, zinc protection bars and rings outboard, strainers, etc.; data to show in all cases exactly what parts have been attended to or repaired, material or article used and reasons.

(e) Pumping of bilges.

(f) Blowing of tubes.

(g) Examining holding down bolts.

(h) Fuel and water taken aboard. The fuel account shall be carefully kept and the quantity consumed each day accurately ascertained.

(i) Grade and quality of fuel oil and lubricating oil used; also type of filtering and cleaning elements installed in both fuel and lube oil lines; results obtained from use thereof.

(j) Record of special tests ordered made.

(k) Defects in supplies received.

(l) Derelictions or deficiencies developed on the part of any member of the engine department.

5. In twin screw vessels when both engines are in the same engine space, alternate pages will be used for recording the readings from the starboard machinery, the other pages being used for the port machinery. In such cases, each sheet of the log book will bear the notation either "Port Machinery" or "Starboard Machinery." In the event that the machinery for each propeller is in a separate engine room, two books shall be utilized and each page of each such book shall be properly marked to indicate to which engine room it applies. For such ships, in addition to individual fuel, water, and lube oil summaries, the sheets covering the control engine room shall carry a consolidated figure reflecting the status of these materials for both machinery spaces.

6. The log books shall be retained on board unless required temporarily by the administrative commander and destroyed when three years old.

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. John POPE	6-A	OAKLAND	OKINAWA	P2 S2 R2	12-2-3-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	15086980	15109390	15134000	15158920	15183300	15206070
TOTAL REVOLUTIONS (FOR WATCH)	22260	22410	24610	24920	24420	22770
AVERAGE RPM	92.8	93.4	94.6	95.8	93.9	94.9
F.O. METER (END OF WATCH)	10850020	10852660	10855540	10858410	10861140	10863980
F.O. CONSUMED	2630	2640	2880	2870	2730	2840
MACHINERY PARTICULARS – PRESSURES: THROTTLE	420	420	420	420	420	420
H.P. AHEAD	420	420	420	420	420	420
L.P. AHEAD	19	20	20	20	20	20
VACUUM	29"	29.1	29.1	29.0	29.1	28.8
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.0	.5	.5	1.0	1.0	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	12"	12"	12"	12"	12"	12"
TEMPERATURES: STEAM AT THROTTLE	730	725	725	725	730	730
L.P. EXHAUST	105	108	106	105	106	106
CONDENSATE	98	102	102	100	102	102
CIRC. WATER IN	72	74	70	72	74	72
CIRC. WATER OUT	84	86	84	84	86	84
L.O. TO COOLERS	126	128	126	126	126	126
L.O. FROM COOLERS	110	108	110	110	110	110
TEMPERATURE THRUST BEARING	115	115	115	115	115	115
FORWARD H.P. ROTOR BEARING	120	125	122	120	125	122

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	130	130	130	130	130
FORWARD L. P. ROTOR BEARING	125	130	128	125	130	128
AFT. L.P. ROTOR BEARING	—	—				
HOTTEST GEAR BEARING FORWARD	146	148	148	144	148	148
HOTTEST GEAR BEARING AFT	142	140	140	140	142	146
AUX. COND. CONDENSATE	96	100	102	100	100	102
1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
D. C. FEED WATER HEATER	238	238	238	240	235	238
3RD STAGE FEED WATER HEATER H / L	051 / 135	1051 / .135	051 / .135	.051 / .135	1051 / .135	051 / .135
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	190	190	190	190	190	190
F. O. BACK PRESSURE						
AIR TO FURNACE	115	115	115	115	120	118
UPTAKE		295 / 300	295 / 290	305 / 320	295 / 330	295 / 290
MAIN STEAM	730	725	725	725	730	730
SUPER HEAT	450	450	450	450	450	450
PRESSURES: F.O. TO BURNERS	140	140	140	140	145	145
F.O. TEMP. IN SETTLING TANKS	105 / 115	102 / 90	110 / 115	108 / 100	112 / 104	115 / 110
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	87	86	87	88	88	92
FIRE ROOM TEMPERATURE	87	86	87	88	88	92
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		83			83	
CO_2 % STBD. BOILER		83 1/2			81	
OIL LEVEL MAIN SUMP	3'	3'	3'	3'	3'	3'

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	730	8	128	108		62	1300	1300	235
	4	1200	450	730	10	135	118		48	1300	1300	235
1600 TO 2000	3	1200	450	725	8	120	110		62	1100	1100	235
	4	1200	450	725	9	140	120		48	1100	1100	235
2000 TO 2400	3	1200	450	725	8	130	110		62	1050	1050	235
	4	1200	450	725	9	135	120		48	1050	1050	235
2400 TO 0400	3	1200	450	725	9	128	108		62	1150	1150	235
	4	1200	450	725	9	135	118		48	1150	1150	235
0400 TO 0800	3	1200	450	730	9	132	110		62	1300	1300	235
	4	1200	450	730	9	140	120		48	1400	1400	235
0800 TO 1200	3	1200	450	730	8	132	110		62	1250	1250	235
	4	1200	450	730	10	138	120		48	1250	1250	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10863980	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	10847390		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	16590		ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

LOW PRESS. EVAPORATORS *(No. of hrs. operated) (Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
3	4	4 1/3	4 1/3	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
MACHINERY IN OPERATION, # 3-4 BOILERS, F.O. BLOWERS, Fd PUMPS & F.O. SERVICE PUMPS, # 3-4 GEN. # 3-4 MAIN COND PUMP, MAIN CIRC, # 2 AIR COMP. L.O. CENTRIFUGE. SECURED AND CLEANED L.O. PURIFIER. CHANGED & CLEANED # 2 BURNER & STBD STRAINER. PUMPED BILGES. MADE ROUNDS OF ENGINE SPACES & EQUIPMENT, NORMAL STEAMING WATCH.

FEED TANKS .83 GPG. WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH
MACHINERY IN OPERATION AS BEFORE.
CLEANED # 4 BURNER + F.O. SUCTION STRAINER.
BLEW TUBES # 3 + # 4 BOILER. PUMPED BILGES.
ROUTINE ROUNDS OF MACHINERY + SPACES.

MAIN COND. .4 G/G. WATCH ENGR'S SIGNATURE- J. McDonald

2000-2400 WATCH
MACH AS BEFORE CHANGED & CLEANED #6 BURNER & F.O. DISC STRNR
PUMPED UP SETTLERS FROM 4P/S D.B
RETARDED CLOCK 20 MINS @ 2300

FEED TANK .83 G/G MAIN COND .41 WATCH ENGR'S SIGNATURE- W. [signature]

2400-0400 WATCH
MACHINERY IN OPERATION AS BEFORE. CHANGED & CLEANED # 1 F.O. BURNER & STRAINER. PUMPED BILGES. MADE ROUNDS & INSPECTION OF MACH SPACES & EQUIPMENT. NORMAL STEAMING WATCH.

FEED TANKS .83 GPG. WATCH ENGR'S SIGNATURE- [signature]

0400-0800 WATCH
MACHINERY IN OPERATION AS BEFORE.
CLEANED # 3 BURNER + F.O. SUCTION STRAINER
RETARDED CLOCK 20 MIN. AT 0425.
PUMPED ENGINE ROOM AND SHAFTALLEY BILGES.
ROUTINE INSPECTION OF MACHINERY AND SPACES.

MAIN AND AUX. COND. .4 G/G. WATCH ENGR'S SIGNATURE- J. McDonald

0800-1200 WATCH
MACH AS BEFORE CHANGED #5 BURNER & #4 F.O. SUCT STRNR
BLEW TUBES #3 & 4 BLRS
PUMPED UP SETTLERS FROM 4S D.B.
TESTED LOW L.O. & OVERSPEED TRIPS

MAIN COND .41 G/G FEED TANK .83 G/G WATCH ENGR'S SIGNATURE- W. [signature]

CHIEF ENGINEER

# 3 STBD	# 4 PORT
HRS - 261	511
ALK - 11.6	10.5
T-ALK - 15.1	13.4
C - 4.14	4.5
PHOS - 40	40
PH - 11	10

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. JOHN POPE	6-A	OAKLAND	OKINAWA	P2S2R2	12-3-4-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1522 8440	1525 0720	1527 5060	1529 9510	1532 3600	1534 4950
TOTAL REVOLUTIONS (FOR WATCH)	22370	22280	24360	24450	24090	21350
AVERAGE RPM	93.3	92.6	93.6	94.1	92.6	89.0
F.O. METER (END OF WATCH)	1086 6660	1086 9210	1087 2220	1087 5090	1087 2990	1088 0400
F.O CONSUMED	2680	2550	3010	2870	2900	2410
MACHINERY PARTICULARS — PRESSURES: THROTTLE	420	420	420	420	420	420
H.P. AHEAD	420	420	420	420	420	420
L.P. AHEAD	20	19	19	19	19	13
VACUUM	28.5	29	29	29"	29	29.3
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	135	135	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.0	.6	.5	1.0	1.0	1.0
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	12	12"	12"	12"	12"	16"
TEMPERATURES: STEAM AT THROTTLE	730	735	730	730	725	705
L.P. EXHAUST	106	110	106	106	106	106
CONDENSATE	100	98	102	100	102	102
CIRC. WATER IN	72	77	72	72	75	72
CIRC. WATER OUT	84	90	86	84	86	86
L.O. TO COOLERS	118	126	126	124	126	126
L.O. FROM COOLERS	110	108	110	110	110	110
TEMPERATURE THRUST BEARING	115	115	115	115	115	115
FORWARD H.P. ROTOR BEARING	120	120	120	130	125	120

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	130	130	130	130	130
FORWARD L. P. ROTOR BEARING	125	125	128	125	130	128
AFT. L.P. ROTOR BEARING	—					
HOTTEST GEAR BEARING FORWARD	146	146	148	146	148	148
HOTTEST GEAR BEARING AFT	142	140	140	138	140	140
AUX. COND. CONDENSATE	98	104	102	100	102	102
1ST STAGE FEED WATER HEATER	165	170	170	170	170	170
D. C. FEED WATER HEATER	240	238	238	240	238	238
3RD STAGE FEED WATER HEATER H	.051	.051	.051	.051	.051	.051
L	.135	.135	.135	.135	.135	.125
BOILER PARTICULARS — TEMPERATURES: F.O. TO BURNERS	140	140	140	140	140	140
F. O. BACK PRESSURE	0					
AIR TO FURNACE	4	4	4	4	4	4
UPTAKE						
MAIN STEAM	450	450	450	450	450	450
SUPER HEAT	730	735	730	730	725	705
PRESSURES: F.O. TO BURNERS	190	190	190	190	190	190
F.O. TEMP. IN SETTLING TANKS	110	116 112	115 110	105 100	117 102	102 105
PORT BOILER UPTAKE	295	295 295	295 300	295	295	280 285
STBD. BOILER UPTAKE	300	300		295	305	
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	91	90	90	90	90	91
FIRE ROOM TEMPERATURE	91	90	90	90	90	91
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		83			83	
CO_2 % STBD. BOILER		83			83	
OIL LEVEL MAIN SUMP	3'	3'	3'	3'	3'	3'

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	730	8	126	108		62	1250	1250	235
	4	1200	450	730	10	140	120		48	1250	1250	235
1600 TO 2000	3	1200	450	735	8	132	110		63	1100	1100	235
	4	1200	450	735	10	140	120		48	1100	1100	235
2000 TO 2400	3	1200	450	730	8	132	110		63	1150	1150	235
	4	1200	450	730	10	140	120		48	1150	1150	235
2400 TO 0400	3	1200	450	730	8	130	108		62	1200	1200	235
	4	1200	450	730	10	138	118		48	1200	1200	235
0400 TO 0800	3	1200	450	725	8	130	110		63	1250	1250	235
	4	1200	450	725	9	140	120		48	1300	1300	235
0800 TO 1200	3	1200	450	705	8	130	110		63	1250	1250	235
	4	1200	450	705	9	140	120		48	1250	1250	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10880400
	METER PREVIOUS NOON	10863980
	CONSUMED BY METER	16420
	ON HAND AT START OF DAY	
	RECEIVED DURING DAY	
	EXPENDED DURING DAY	
	REMAINING ON BOARD	
DOMESTIC WATER	ON HAND AT START OF DAY	
	EVAPORATED OR RECEIVED	
	ON HAND	
	CONSUMED	

BOILER WATER	ON HAND AT START OF DAY	
	EVAPORATED OR RECEIVED	
	ON HAND	
	CONSUMED	
LUBE OIL	ON HAND AT START OF DAY	
	RECEIVED	
	ON HAND	
	CONSUMED	

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
MACHINERY IN USE AS BEFORE, CHANGED & CLEANED # 2 BURNER & STBD STRAINER, MADE ROUNDS & INSPECTION OF MACH SPACES & EQUIPMENT NORMAL STEAMING WATCH.

FEED TANKS .83 GPG WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH
MACHINER IN OPERATION AS BEFORE
CLEANED # 4 BURNER & F.O. SUCTION STRAINER
NORMAL STEAMING WATCH.

MAIN COND. 46/G. WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
M/ACH AS BEFORE CLANED # 6 BURNER & #4 F.O. DISCH STRNR
PUMPED SETTLERS FROM 4P D.B.
RETARDED CLOCK 20 mins @ 2300

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
MACHINERY AS BEFORE, CHANGED & CLEANED # 1 BURNER AND STBD STRAINER, MADE ROUNDS OF MACH SPACES & EQUIPMENT. NORMAL STEAMING WATCH. RETARDED CLOCK 20 MIN @ 0100 hours. MAGALLANES TOOK THE EVAP OILERS WATCH FROM 0001-0200 hours SHEPPARD FROM 0200-0400 hours. HARKLEROAD, SICK.

FEED TANKS .83 GPG WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH
MACH. AS BEFORE -
RETARDED CLOCK 20 MIN @ 0425.
CLEANED #3 BURNER & FO SUCTION STRAINER.
PUMPED BILGES

MAIN COND. 46/G WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH
M/ACH AS BEFORE #4 M/N FD PUMP FWD PISTON WOULDN'T PUMP AS IT HAD BECOME LOOSE. SEC'D #4 FEED PUMP & STARTED STBY.
PUMPED SETTLERS FROM #4 P & D.B.
SLOWED M/N GVC TO 90 RPM TO TAKE SOME LOAD OFF BLRS & FEED PUMPS

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

	#3 STAR	# 4 PORT
HDRS -	285	535
ALK -	11.68	8.76
T. ALK -	16.35	12.85
C -	4.14	4.97
PHOS	30	30
PH	11	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE	6-A	OAKLAND	OKINAWA	P2-S2-R2	12-4+5-66

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	240	240	240	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1536 6700	1538 9330	1541 1850	1543 4530	1545 6960	1547 9660
TOTAL REVOLUTIONS (FOR WATCH)		21750	22730	22520	22680	22430	22700
AVERAGE RPM		90.7	94.7	93.8	94.5	93.4	94.9
F.O. METER (END OF WATCH)		1088 2990	1088 5570	1088 8270	1089 0930	1089 3630	1089 6270
F.O. CONSUMED		2590	2580	2700	2660	2700	2640
MACHINERY PARTICULARS – PRESSURES	THROTTLE	425	420	420	420	420	420
	H.P. AHEAD	425	420	420	420	420	420
	L.P. AHEAD	20	20	19	19	19	18
	VACUUM	29"	29.2	29.2	29.1"	29.1	29.1
	L.O. TO TURBINES	13	12.6	12.6	12.5	12.5	12.5
	AUX. STEAM	140	135	135	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	3	3	3	1	1.7	1.5
	H.P. BLEEDER	70	70	70	70	70	70
	I.P. BLEEDER	9	9	9	9	9	9
	L.P. BLEEDER	16	12"	12"	12"	12"	12"
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	705	730	725	730	730	725
	L.P. EXHAUST	106	106	106	106	108	106
	CONDENSATE	100	105	102	100	105	100
	CIRC. WATER IN	72	77	76	76	78	72
	CIRC. WATER OUT	84	90	86	86	92	84
	L.O. TO COOLERS	126	126	126	126	126	126
	L.O. FROM COOLERS	110	110	110	110	110	110
	TEMPERATURE THRUST BEARING	115	115	115	115	115	115
	FORWARD H.P. ROTOR BEARING	120	125	120	120	125	120

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	130	130	130	130	130	130
	FORWARD L. P. ROTOR BEARING	125	130	128	125	130	128
	AFT. L.P. ROTOR BEARING						
	HOTTEST GEAR BEARING FORWARD	146	148	145	146	148	148
	HOTTEST GEAR BEARING AFT	142	142	140	140	142	140
	AUX. COND. CONDENSATE	98	102	102	100	104	102
	1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
	D. C. FEED WATER HEATER	238	238	238	238	238	238
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS	140	140	140	140	140	135
	F. O. BACK PRESSURE	0					
	AIR TO FURNACE	4",	4"	4"	4"	4"	
	UPTAKE	~~2~~					
	MAIN STEAM	450	450	450	450	450	450
	SUPER HEAT	700	730	725	730	730	725
BOILER PARTICULARS – PRESSURES	F.O. TO BURNERS	190	190	190	190	190	190
	F.O. TEMP. IN SETTLING TANKS	105	112 116	118 120	110	116 104	115 112
	PORT BOILER UPTAKE	295	295	292	295	295	295
	STBD. BOILER UPTAKE	310	290	285	290	295	290
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	90	90	90	90	88	90
	FIRE ROOM TEMPERATURE	90	90	90	90	88	90
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
	CO_2 % PORT BOILER		83			83	
	CO_2 % STBD. BOILER		83			83	
	OIL LEVEL MAIN SUMP	3'	3'	3'	3'	3'	3'

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	700	8	128	108	~~62~~ 175	62	1250	1250	235
	4	1200	450	700	10	138	120	~~48~~ 175	48	1250	1250	235
1600 TO 2000	3	1200	450	730	8	132	110		63	1100	1100	235
	4	1200	450	730	9	140	120		48	1100	1100	235
2000 TO 2400	3	1200	450	725	8	132	110		63	1150	1150	235
	4	1200	450	725	10	138	120		48	1150	1150	235
2400 TO 0400	3	1200	450	730	8	130	110		62	1150	1150	235
	4	1200	450	730	10	138	120		48	1150	1150	235
0400 TO 0800	3	1200	450	730	8	132	112		63	1250	1300	235
	4	1200	450	730	9	140	122		48	1250	1300	235
0800 TO 1200	3	1200	450	725	8	132	110		63	1300	1300	235
	4	1200	450	725	9	138	120		48	1300	1300	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1089 6270	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1088 0400		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	15870		ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

UNDERWAY 18 NOZZLES, MACHINERY IN USE AS BEFORE, CLEANED + CHANGED #2 BURNER, CLEANED STBD F.O. DISCH STRAINER. MADE ROUTINE CHECKS + INSPECTION OF ALL MACHINERY AND MACHINERY SPACES, REPAIRS COMPLETED ON #4 MAIN FEED PUMP. CLEANED LUBE OIL SUMP + FILLED WITH CLEAN OIL FROM L.O. PURIFIER, #4 FD PUMP BACK ON LINE AT 1300. RENEWED CENTER PLUNGER GASKET ON #3 MAIN FEED PUMP.

FEED TANKS .83 GPG. WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE
BLEW TUBES #3 + #4 BOILERS.
CLEANED #4 BURNER AND F.O. SUCTION STRAINER.
PUMPED BILGES
ROUTINE INSPECTION OF MACHINERY AND SPACES

MAIN COND. HG/G. WATCH ENGR'S SIGNATURE- [signature]

2000-2400 WATCH

MACH AS BEFORE. CHANGED #6 BURNER + F.O. DISCH STRNR.
PUMPED UP SETTLERS FROM 4 & D.B.
TESTED LOW L.O. + OVERSPEED TRIPS

FEED TANK .83 G/G MN COND #1 WATCH ENGR'S SIGNATURE- [signature]

2400-0400 WATCH

MACHINERY IN OPERATION AS BEFORE. CHANGED & CLEANED #1 BURNER & STRAINER. MADE ROUNDS & INSPECTION OF MACHINERY SPACES & EQUIPMENT HELD CASUALTY DRILL B-4 LOW WATER IN BOILER, FROM 0100-0130 FOR WATCH PERSONNEL. BRIDGE NOTIFIED. NORMAL STEAMING WATCH.

FEED TANKS .83 GPG. WATCH ENGR'S SIGNATURE- [signature]

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE.
CLEANED #3 BURNER + F.O. SUCTION STRAINER.
HELD ENG. CASUALTY DRILL #B-4, LOW WATER IN BOILER, FROM 0500 TO 0530
BRIDGE NOTIFIED. ROUTINE INSPECTIONS OF MACH. + SPACES

MAIN COND. HG/G WATCH ENGR'S SIGNATURE- [signature]

0800-1200 WATCH

MACH AS BEFORE CHANGED #5 BURNER + F.O. DISCH STRNR
PUMPED UP SETTLERS FROM 4 & D.B.
BLEW TUBES #3 + 4 BLR.
HELD CASUALTY DRILL B-4 AMONG WATCH PERSONNEL @ 1000-1020

MAIN COND. HG/G WATCH ENGR'S SIGNATURE- [signature]

CHIEF ENGINEER

#3 STBD	#4 PORT
HOURS - 309	559
ALK - 11.6	9.9
T-ALK - 15.1	14.6
Cl - 4.1	4.5
PHOS - 40	30
PH - 11	11

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope T-AP110	6-A	OAKLAND	OKINAWA	P2-S2-R2	12-5-46-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1550 2440	1552 5050	1554 9660	1557 4570	1559 8970	1562 1530
TOTAL REVOLUTIONS (FOR WATCH)	22980	22610	24610	24910	24400	22560
AVERAGE RPM	94.9	94.2	94.6	96.0	93.8	94.0
F.O. METER (END OF WATCH)	1089 8950	1090 1700	1090 4600	1090 7510	1091 0430	1091 3200
F.O. CONSUMED	2680	2750	2900	2910	2920	2770
MACHINERY PARTICULARS – PRESSURES: THROTTLE	420	420	420	420	420	420
H.P. AHEAD	450	420	420	420	420	420
L.P. AHEAD	18	18	18	18	18	18
VACUUM	29"	29.1	29.1	29"	29.1	29.1
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2	2	2.0	2.0	1.7	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	12	12"	12"	12"	12"	12"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	700	730	730	725	725	720
L.P. EXHAUST	106	108	106	106	110	106
CONDENSATE	100	105	102	100	104	100
CIRC. WATER IN	72	78	76	74	76	72
CIRC. WATER OUT	88	90	88	88	88	88
L.O. TO COOLERS	126	128	126	126	128	126
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	115	115	115	115	115	115
FORWARD H.P. ROTOR BEARING	120	125	120	120	125	120

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	130	135	130	130	130
FORWARD L. P. ROTOR BEARING	125	130	128	125	130	128
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD	144	148	148	146	148	148
HOTTEST GEAR BEARING AFT	138	142	140	142	142	140
AUX. COND. CONDENSATE	98	106	102	100	106	106
1ST STAGE FEED WATER HEATER	170	170	170	140	170	170
D. C. FEED WATER HEATER	238	238	238	238	238	240
3RD STAGE FEED WATER HEATER HP	—	1081	051		051	051
3RD STAGE FEED WATER HEATER LP		.135	.135		.135	.135
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	135	140	140	135	145	140
F. O. BACK PRESSURE	0					
AIR TO FURNACE	4.0"	4"	4"	4"	4"	4"
UPTAKE	—					
MAIN STEAM	460	460	460	460	460	460
BOILER PARTICULARS – PRESSURES: SUPER HEAT	700	730	730	725	725	720
F.O. TO BURNERS	190	190	190	190	190	190
F.O. TEMP. IN SETTLING TANKS	110	112 112	114 110	110 105	114 100	115 105
PORT BOILER UPTAKE	290	295	295	295	295	285
STBD. BOILER UPTAKE	300	295	290	295	295	292
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	90	90	93	92	94	93
FIRE ROOM TEMPERATURE	90	90	93	92	94	93
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		8.3			8.3	
CO_2 % STBD. BOILER		8.3			8.3	
OIL LEVEL MAIN SUMP	3'	3''	3'	3'	3'	3'

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	700	8	128	108		62	1650	1650	235
	4	1200	450	700	10	138	118		48	1650	1650	235
1600 TO 2000	3	1200	450	730	8	134	112		62	1450	1450	235
	4	1200	450	730	9	142	122		48	1400	1400	235
2000 TO 2400	3	1200	450	730	8	132	110		62	1450	1450	235
	4	1200	450	730	9	140	120		48	1450	1450	235
2400 TO 0400	3	1200	450	725	8	128	108		62	1500	1500	235
	4	1200	450	725	10	138	118		48	1500	1500	235
0400 TO 0800	3	1200	450	725	8	132	110		62	1600	1600	235
	4	1200	450	725	9	140	120		48	1550	1550	235
0800 TO 1200	3	1200	450	720	8	132	110		62	1550	1550	235
	4	1200	450	720	10	138	120		48	1550	1550 235	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10913200	BOILER WATER: ON HAND AT START OF DAY	
	METER PREVIOUS NOON	10896270	EVAPORATED OR RECEIVED	
	CONSUMED BY METER	16930	ON HAND	
	ON HAND AT START OF DAY		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL: ON HAND AT START OF DAY	
	EXPENDED DURING DAY		RECEIVED	
	REMAINING ON BOARD		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY		CONSUMED	
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
3.5	4	4 1/3	4 1/3	4 1/3	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
MACHINERY IN OPERATION AS BEFORE. CHANGED & CLEANED # 2 BURNER & STBD STRAINER. SECURED & CLEANED LUBE OIL PURIFIER. # 2 FIRE PUMP DOWN FOR REPAIRS. MADE ROUNDS OF ENGINE SPACES & EQUIPMENT. NORMAL STEAMING WATCH.

FEED TANKS .83 GPG. WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH
MACHINERY IN OPERATION AS BEFORE.
BLEW TUBES #3 AND #4 BOILERS. CLEANED #4 BURNER AND F.O. SUCTION STRAINER. ROUTINE WATCH. LUBRICATED #3 + 4 FEED PUMP GUIDE BLOCKS.

MAIN COND. - 2 G/G. WATCH ENGR'S SIGNATURE- [signature]

2000-2400 WATCH
MACH AS BEFORE. CHANGED & CLEANED #6 BURNER & DISCH STRNR
PUMPED SETTLERS FROM 4% & 5% D.B.
TEST RAN STBY L.O. PUMP & STBY F.O. PUMP 30 mins each
RETARDED CLOCK 20 mins @ 2300
TESTED LOW L.O. & OVERSPEED TRIPS

WATCH ENGR'S SIGNATURE- [signature]

2400-0400 WATCH
MACHINERY IN OPERATION AS BEFORE, CHANGED AND CLEANED #2 BURNER
INSPECTED ALL MACHINERY AND ENG SPACES, PUMPED BILGES + SHAFT ALLEYS.
CARRIED OUT ALL STANDING ORDERS + STEAMING WATCH ROUTINE,
RETARDED CLOCK 20 MIN @ 0100

FEED TANKS .83 GPG. WATCH ENGR'S SIGNATURE- [signature]

0400-0800 WATCH
MACHINERY IN OPERATION AS BEFORE.
CLEANED # 3 BURNER AND F.O. SUCTION STRAINER.
RETARDED CLOCK @ 0426 - 20 MIN.
ROUTINE INSPECTIONS OF MACHINERY + SPACES
COMPOUND #4 BOILER.

MAIN COND - 2 G/G. WATCH ENGR'S SIGNATURE- [signature]

0800-1200 WATCH
MACH AS BEFORE. CHANGED #5 BURNER & F.O. DISCH STRNR
BLEW TUBES #3 & 4 BLRS.
PUMPED UP SETTLERS FROM 5% D.B.

WATCH ENGR'S SIGNATURE- [signature]

CHIEF ENGINEER

	~~#1~~	4	3
HOURS	~~[illegible]~~	583	333
ALK.	~~[illegible]~~	10.5	11.6
T-ALK		13.3	15.1
C		4.9	4.1
PO_4		40	40
PH		11	11
SO_3		60	55

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope T-AP110	6-A	Oakland	Okinawa	P2-S2-R2	12-6+7-66

MACHINERY PARTICULARS

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	180	
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1564 4050	1566 6660	1568 9590	1571 0400	1572 9220	
TOTAL REVOLUTIONS (FOR WATCH)	22520	22610	22930	22810	18820	
AVERAGE RPM	93.8	94.2	95.5	95.0	94.1	
F.O. METER (END OF WATCH)	1091 5900	1091 8660	1092 1290	1092 3980	1092 6030	1092 6970
F.O. CONSUMED	2700	2760	2630	2690	3050	940
PRESSURES						
THROTTLE	420	420	420	420		
H.P. AHEAD	420	420	420	420		
L.P. AHEAD	18	18	18	18		
VACUUM	29"	29"	29"	29"		28"
L.O. TO TURBINES	12	12	12	12		12
AUX. STEAM	146	140	140	140		140
BACK PRESSURE	9	9	9	9		9
GLAND STEAM	2	1.5	1.5	2		2.0
H.P. BLEEDER	80	65	70	75		—
I.P. BLEEDER	9	9	9	9		—
L.P. BLEEDER	12	12"	12"	12"		—
TEMPERATURES						
STEAM AT THROTTLE	725	730	730	730		—
L.P. EXHAUST	108	108	106	106		106
CONDENSATE	102	105	102	102		102
CIRC. WATER IN	72	77	72	72		72
CIRC. WATER OUT	90	90	86	86		82
L.O. TO COOLERS	126	126	124	124		122
L.O. FROM COOLERS	110	110	108	110		110
TEMPERATURE THRUST BEARING	115	112	115	115		
FORWARD H.P. ROTOR BEARING	120	115	115	120		

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D)						
AFT. H. P. ROTOR BEARING	130	130	130	130		
FORWARD L. P. ROTOR BEARING	125	130	128	125		
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD	146	148	148	146		
HOTTEST GEAR BEARING AFT	140	142	140	140		
AUX. COND. CONDENSATE	100	106	104	104		
1ST STAGE FEED WATER HEATER	170	170	170	170		
D. C. FEED WATER HEATER	238	238	238	240		
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS						
F.O. TO BURNERS	140	140	140	135	150	120
F. O. BACK PRESSURE	0	0		0		
AIR TO FURNACE	4"	4"	4"	4"		2"
UPTAKE						
MAIN STEAM	460	460	460	460	460	460
SUPER HEAT	725	730	730	730	650	
F.O. TO BURNERS	190	190	190	190	190	190
F.O. TEMP. IN SETTLING TANKS	105 105	114 104	114 105	110 110		
PORT BOILER UPTAKE	290	300	300	300		
STBD. BOILER UPTAKE	290	290	295	300		
MISCELLANEOUS						
ENGINE ROOM TEMPERATURE	92	92	91	89	86	85
FIRE ROOM TEMPERATURE	92	92	91	89	86	85
NOZZLES IN USE	18	18	18	18	—	
NO. OF BURNERS IN USE	6	6	6	6	2	2
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	21/55
CO_2 % PORT BOILER		83				
CO_2 % STBD. BOILER		83				
OIL LEVEL MAIN SUMP	3'	3'	3'	3'	3'	3'

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	725	8	128	108		62	1500	1500	235
	4	1200	450	725	10	138	118		48	1500	1500	235
1600 TO 2000	3	1200	450	730	8	134	112		62	1450	1450	235
	4	1200	450	730	9	140	120		48	1450	1450	235
2000 TO 2400	3	1200	450	730	8	132	110		62	1450	1450	235
	4	1200	450	730	9	140	120		48	1450	1450	235
2400 TO 0400	3	1200	450	730	8	130	110		62	1400	1400	235
	4	1200	450	730	9	140	120		48	1400	1400	235
0400 TO 0800	3	1200	450	650	8	130	110		62	1450	1450	235
	4	1200	450	650	9	140	120		48	1450	1450	235
0800 TO 1200	3	1200	450	[illegible]	8	130	110		62	1550	1550	235
	4	1200	450	680	10	140	120		48	1550	1550	235

FUEL - WATER AND LUBE OIL

FUEL OIL		BOILER WATER / LUBE OIL	
METER AT NOON	10926970	BOILER WATER: ON HAND AT START OF DAY	
METER PREVIOUS NOON	10913200	EVAPORATED OR RECEIVED	
CONSUMED BY METER	13770	ON HAND	
ON HAND AT START OF DAY		CONSUMED	
RECEIVED DURING DAY		LUBE OIL: ON HAND AT START OF DAY	
EXPENDED DURING DAY		RECEIVED	
REMAINING ON BOARD		ON HAND	
DOMESTIC WATER: ON HAND AT START OF DAY		CONSUMED	
EVAPORATED OR RECEIVED			
ON HAND			
CONSUMED			

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH MACHINERY IN USE AS BEFORE, CLEANED #2 ATOMIZER, CHANGED + CLEANED Stbd FUEL OIL DISCH STRAINER. 1330 StbY BELL + GENERAL DRILLS, 1358 FULL AHEAD BELL AND SECURED FROM ALL DRILLS, INSPECTED ALL MACHINERY + MACHINERY SPACE, CARRIED OUT ALL STANDING ORDERS AND UNDERWAY WATCH ROUTINE,

FEED TANKS .83 GPG, WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH MACHINERY IN OPERATION AS BEFORE.
BLEW TUBES #3 AND #4 BOILERS. CHANGED + CLEANED #4 BURNER. CLEANED #2 F.O. SUCTION STRAINER. ROUTINE INSPECTIONS OF MACHINERY + SPACES. REMOVED FOREIGN MATERIAL FROM PORT BILGE SUCTION - PUMPED BILGES - ADDED PACKING TO LOWER #3 BOILER GAGE GLASS.
MAIN COND. .H G/G. WATCH ENGR'S SIGNATURE- [signature]

2000-2400 WATCH H/AG AS BEFORE. CHANGED #6 BURNER & #4 F.O. DISCH STRNR. PUMPED SETTLERS FROM 5P/S D.B.
TESTED LOW L.O. & OVERSPEED TRIPS.

FEED TANK 83 M/N COND #1 WATCH ENGR'S SIGNATURE- [signature]

2400-0400 WATCH UNDERWAY AS BEFORE 18 NOZZLES, CLEANED #1 ATOMIZER AND Stbd FUEL OIL DISCHARGE STRAINER, PUMPED ENGINEROOM BILGES, INSPECTED ALL MACHINERY SPACES + MACHINERY, CARRIED OUT UNDERWAY WATCH ROUTINE, STARTED AUX CIRC & CONDENSATE PUMPS, AUX AIR EJECTOR @ 0320

FEED TANKS .83 GPG, WATCH ENGR'S SIGNATURE- [signature]

0400-0800 WATCH MACH. AS BEFORE EXCEPT:
16 NOZZLES @ 0420. B.O.B. 14 NOZ. @ 0440. - 12 NOZ AND 80 RPM @ 0507.
TIME CK. @ 0641 - ARRIVAL 0700. P-FOM-3537810 STBD FOM-7388000
P-CNTR-15729220 STBD CNTR-16356730 - BELLS AS PER BELL BOOK

WATCH ENGR'S SIGNATURE- [signature]

0800-1200 WATCH H/AG AS BEFORE. MANEUVERING INTO BUCKNER BAY. BELLS AS PER BELLBOOK. FWE @ 0907 FOM. 3538220 FOM. 7388400
CTR. 15733150 CTR 16360770.
SECD #3 BLR @ 0930 TO REPAIR #3 M/N FD PUMP.

WATCH ENGR'S SIGNATURE- [signature]

CHIEF ENGINEER

BOILER WATER READINGS

STBD		PORT	
BOILERS		HOURS	
AKL	11.6	AKL	9.9
T-AKL	15.1	T-AKL	14.6
SAL.	4.1	SAL.	4.9
PHOS.	40	PHOS.	50
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [signature]

USNS Gen. J Pope | VOYAGE NO. 6B | FROM Buckner Bay Oki | TO Long Tau | TYPE OF VESSEL P2-S2-R2 | DATE 12-7/8-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						120
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						1574 6160
TOTAL REVOLUTIONS (FOR WATCH)						9240
AVERAGE RPM						92.4
F.O. METER (END OF WATCH)	1092 7710	1092 8510	1092 9340	1093 0120	1093 0870	1093 2820
F.O. CONSUMED	740	800	830	780	750	1950
MACHINERY PARTICULARS – PRESSURES: THROTTLE						120
H.P. AHEAD						420
L.P. AHEAD						18.5
VACUUM	28.1"	28.1	28.1	28.1	28.5	29.1
L.O. TO TURBINES	12.5	13	13	12.5	13	12.8
AUX. STEAM	145	150	150	145	150	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3	3	3	3	3	2.0
H.P. BLEEDER						70
I.P. BLEEDER						6
L.P. BLEEDER						12"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE						725
L.P. EXHAUST	105	90	90	90	Vacuum	104
CONDENSATE	100	87	90	90		102
CIRC. WATER IN	72	76	76	74		74
CIRC. WATER OUT	82	80	80	88		87
L.O. TO COOLERS	120			120		120
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING						114
FORWARD H.P. ROTOR BEARING						120

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING						110
FORWARD L. P. ROTOR BEARING						125
AFT. L.P. ROTOR BEARING						120
HOTTEST GEAR BEARING FORWARD						120
HOTTEST GEAR BEARING AFT						110
AUX. COND. CONDENSATE					Vacuum	106
1ST STAGE FEED WATER HEATER						145
D. C. FEED WATER HEATER	240	236	236	238		238
3RD STAGE FEED WATER HEATER						.051 .135
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS	120	110	110	100	150	135
F. O. BACK PRESSURE						
AIR TO FURNACE	3"	3"	3"	3	3	4"
UPTAKE						
MAIN STEAM	450	450	450	450	450	450
BOILER PARTICULARS – TEMPERATURES: SUPER HEAT	700	650	630	630	650	725
F.O. TO BURNERS	190	190	190	190	190	180
F.O. TEMP. IN SETTLING TANKS	105	98/98	98/98	100	100	100
PORT BOILER UPTAKE	280	275	280	275	275	285
STBD. BOILER UPTAKE					345	290
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	85	84	84	82	84	84
FIRE ROOM TEMPERATURE	85	84	84	82	84	84
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	2'8"	2'8"	2'8"	2'8"	2'6"	2'6"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	700	8	120	120		62	1450	1450	240
	4	1200	450	700	10	140	110		48	1450	1450	240
1600 TO 2000	3	1200	450	650	8	130	108		62	1350	1350	240
	4	1200	450	650	9	140	120		48	1350	1350	240
2000 TO 2400	3	1200	450	630	8	130	108		62	1300	1300	235
	4	1200	450	630	9	140	120		48	1300	1300	235
2400 TO 0400	3	1200	450	630	8	130	108		62	1350	1350	235
	4	1200	450	630	10	140	120		48	1350	1350	235
0400 TO 0800	3	1200	450	645	8	130	110		62	1100	1100	235
	4	1200	450	645	10	140	120		48	1100	1100	235
0800 TO 1200	3	1200	450	725	8	130	110		62	1300	1300	235
	4	1200	450	725	10	140	120		48	1300	1300	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10932820	BOILER WATER: ON HAND AT START OF DAY	
	METER PREVIOUS NOON	10926970	EVAPORATED OR RECEIVED	
	CONSUMED BY METER	5850	ON HAND	
	ON HAND AT START OF DAY		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL: ON HAND AT START OF DAY	
	EXPENDED DURING DAY		RECEIVED	
	REMAINING ON BOARD		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY		CONSUMED	
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

#2 Boiler, Feed pump & F.O. blower, #2 F.O. service pump #3-4 Generator, aux lube. #3-4 Main Cond pumps, main lube pump #2 air comp, L.O. purifier, main unit on finishing gen and Nav up #2 main lube oil service pump. Filling #3 P/S F.W Tanks from dock. Finished fueling ship @ 1500 Hours. Normal port watch

JR Engr. STREG OILER, BEAUCHAMP FWT, URRUTIA. WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH

AS BEFORE -

Keeping #3 boiler warm - ROUTINE PORT WATCH -

INSPECT MACHINERY AND SPACES - BILGES AT SAFE LEVEL.

KEEPING #3 P+S POT TANKS TOPPED OFF.

REPAIRED PLUG LEAK #3 MAIN FEED PUMP.

FWT. PIXLEY OILER - GUINAN JR.ENG - ARCHER. WATCH ENGR'S SIGNATURE- [signature]

2000-2400 WATCH

M/AGI AS BEFORE.

INTERMITTENTLY FIRING #3 BLR

FWT WATKINS OILER HEVILLE WATCH ENGR'S SIGNATURE- [signature]

2400-0400 WATCH

MACHINERY IN OPERATION AS BEFORE. BOOSTED STEAM PRESS ON #3 boiler, INSPECTION OF MACHINERY & SPACES.

NORMAL PORT WATCH.

OILER BEAUCHAMP FWT, URRUTIA. WATCH ENGR'S SIGNATURE- [signature]

0400-0800 WATCH

SAME AS BEFORE EXCEPT.

#3 BOILER ON LINE 0630 - TURNING ENGINE + TESTING GEAR AT 0700

BILGES AT SAFE LEVEL.

MAIN COND. 4 G/G WATCH ENGR'S SIGNATURE- [signature]

0800-1200 WATCH

M/AGI AS BEFORE. PREPARING FOR DEPT. SBC @ 0815 FOM 35/22/0 FOM 738880 CTRP 15733350 BELLS AS PER BELLBOOK. DEPT @ 1000 18 NOZZLES B/OB @ 0945. DEPT FOM 35/25/0 FOM 7389110 CTRP 15736920 SEC'D #4 M/N COND PUMP. FULL ASTERN THRUST READINGS H.P. .05 L.P. .92 FEED TANK 83 G/G PUMPED UP SETTLERS FROM 4P/S DEEP TK.

HEVILLE OILER, FAILED TO SHOW UP FOR WATCH WATCH ENGR'S SIGNATURE- [signature]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
H	3	HOURS	
A	11.6	AKL	9.9
T	14.6	T-AKL	14.0
S	4.5	SAL.	5.3
PHOS.	40	PHOS.	30
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE T-AP110	6-B	BUCKNER BAY		P2-S2-R2	12-8/9-66

			WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME			240	240	240	260	260	240
DETENTION TIME								
REVOLUTION COUNTER (END OF WATCH)			1576 8850	1579 1350	1581 5960	1584 0710	1586 5550	1588 7580
TOTAL REVOLUTIONS (FOR WATCH)			21690	22500	24610	24750	24840	22030
AVERAGE RPM			90.4	93.7	94.8	95.2	95.6	91.8
F.O. METER (END OF WATCH)			1093 5560	1093 8380	1094 1380	1094 4500	1094 7500	1095 0300
F.O. CONSUMED			2740	2820	3000	3120	2995	2800
MACHINERY PARTICULARS	PRESSURES	THROTTLE	425	420	420	420	420	420
		H.P. AHEAD	425	420	420	420	420	420
		L.P. AHEAD	20	19	19	19	19	19
		VACUUM	29	29	29	29	29	29
		L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
		AUX. STEAM	140	140	140	140	140	140
		BACK PRESSURE	9	9	9	9	9	9
		GLAND STEAM	2	1.6	2.0	2.0	2.0	1.5
		H.P. BLEEDER	75	70	70	70	70	70
		I.P. BLEEDER	9	9	9	9	9	9
		L.P. BLEEDER	12	12"	12"	12"	12"	12"
	TEMPERATURES	STEAM AT THROTTLE	730	725	730	730	720	720
		L.P. EXHAUST	112	106	106	106	110	108
		CONDENSATE	105	104	104	104	104	102
		CIRC. WATER IN	102	76	74	74	77	76
		CIRC. WATER OUT	84	90	90	90	90	90
		L.O. TO COOLERS	126	126	126	126	128	128
		L.O. FROM COOLERS	110	110	110	110	110	110
		TEMPERATURE THRUST BEARING	150	112	115	115	115	115
		FORWARD H.P. ROTOR BEARING	125	125	130	125	125	122

			WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	130	130	128	130	130	130
		FORWARD L. P. ROTOR BEARING	125	130	128	130	130	130
		AFT. L.P. ROTOR BEARING						
		HOTTEST GEAR BEARING FORWARD	146	150	148	148	150	148
		HOTTEST GEAR BEARING AFT	147	142	140	142	142	140
		AUX. COND. CONDENSATE	100	108	108	108	110	112
		1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
		D. C. FEED WATER HEATER	238	238	240	240	238	240
		3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS	PRESSURES	F.O. TO BURNERS	130	125	130	130	120	120
		F. O. BACK PRESSURE	0					
		AIR TO FURNACE	4"	4"	4"	4"	4"	4"
		UPTAKE						
		MAIN STEAM	460	460	460	460	460	460
	TEMPERATURES	SUPER HEAT	725	725	730	730		720
		F.O. TO BURNERS	190	170	170	170	170	170
		F.O. TEMP. IN SETTLING TANKS	100/80	100/85	100/85	100/80	100/80	100/85
		PORT BOILER UPTAKE	310	300	300	315	320	305
		STBD. BOILER UPTAKE	325	290	325	300	305	290
MISCELLANEOUS		ENGINE ROOM TEMPERATURE	86	88	90	92	94	97
		FIRE ROOM TEMPERATURE	86	88	90	92	94	97
		NOZZLES IN USE		18	18	18	18	18
		NO. OF BURNERS IN USE	6	6	6	6	6	6
		BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
		CO_2 % PORT BOILER		83			83	
		CO_2 % STBD. BOILER		83			83	
		OIL LEVEL MAIN SUMP	3'	3'	3'	3'	2'9"	2'8"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	725	8	128	108		62	1450	1450	235
	4	1200	450	725	10	138	118		48	1450	1450	235
1600 TO 2000	3	1200	450	725	8	134	110		62	1350	1350	235
	4	1200	450	725	9	140	122		48	1350	1350	235
2000 TO 2400	3	1200	450	730	8	134	110		62	1300	1300	235
	4	1200	450	730	9	140	121		48	1300	1300	235
2400 TO 0400	3	1200	450	730	8	130	110		62	1350	1350	235
	4	1200	450	730	10	140	120		48	1310	1310	235
0400 TO 0800	3	1200	450	720	8	130	110		62	1600	1550	235
	4	1200	450	720	9	140	120		48	1600	1550	235
0800 TO 1200	3	1200	450	720	8	132	112		62	1600	1600	235
	4	1200	450	720	9	142	122		48	1600	1600	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10950300	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	10932820		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	17480		ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
3	4	4/3	4/3	4/3	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	wet
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
MACHINERY IN OPERATION AS BEFORE. Changed & Cleaned #1 burner & STBD STRAINER. Pumped bilges. Secured & Cleaned L.O. Purifier. Made rounds OF Mach SPACES & Equipment. Normal STEAMING WATCH
Held CASUALTY drill B-5 High water in Boiler 1300 To 1330 Bridge notified
STby @ 1202 WEATHER

Feed TANKS .83 GPG.
WATCH ENGR'S SIGNATURE- Clemons

1600-2000 WATCH
MACHINERY IN OPERATION AS BEFORE EXCEPT: SECURED AUX. AIR EJECT. BLEW TUBES #3 AND #4 BOILERS.
4K AT 1730. HELD ENG. EMERGENCY CASUALTY DRILL B-5 (HIGH BOILER WATER) FROM 1700 TO 1730 - 4 MEN PRESENT - BRIDGE NOTIFIED. WELD 3' BOILER CASING SEAM ON #3 BOILER. PUMPED BILGES. ROUTINE INSPECTION OF MACHINERY AND SPACES.

MAIN COND. .4 G/G.
WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH
MACH AS BEFORE. CHANGED #6 BURNER & #4 F.O. DISCH STRNR.
HELD CASUALTY DRILL B-5 @ 2300-2315 AMONG WATCH PERSONNEL
PUMPED UP SETTLERS FROM 4P/S DEEP TKS
TESTED LOW L.O. & OVERSPEED TRIPS
RETARDED CLOCK 20 mins @ 2300

WATCH ENGR'S SIGNATURE- W. Breckinridge

2400-0400 WATCH
Machinery in operation as before. Changed & Cleaned #2 burner & STbd STRAINER. Made rounds of Engine room SPACES & Equipment.
Retarded Clock 20 MIN @ 0100. Normal Steaming watch.

Feed TANKS .83 GPG
WATCH ENGR'S SIGNATURE- Clemons

0400-0800 WATCH
MACHINERY IN OPERATION AS BEFORE.
CLEANED #3 BURNER + F.O. SUCTION STRAINER.
RETARTED CLOCK 20' @ 0425. ROUTINE INPECTIONS OF EQUIP. + SPACES
PUMP BILGES.

MAIN COND. .4 G/G.
WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH
MACH AS BEFORE. CHANGED & CLEANED #6 BURNER & F.O. DISCH STRNR.
BLEW TUBES #3 & 4 BLRS.
PUMPED UP SETTLERS FROM 4P/S DEEP TKS.

MN COND .4 G/G
WATCH ENGR'S SIGNATURE- W. Breckinridge

CHIEF ENGINEER

BOI... WATER READINGS

STB'D #3		PORT #4	
E... S	383	HOURS	655
A...	11.6	AKL	11.6
T-...L	15.1	T-AKL	15.1
SAL.	4.1	SAL.	4.9
PHOS.	40	PHOS.	30
R.ph	11	R.ph	10.5

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TRANS	6-B	BUCKNER BAY		P2-S2-R2	12-9-16-66

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	RUNNING TIME	240	240	240	240	240	240
	DETENTION TIME			1595 5160			
	REVOLUTION COUNTER (END OF WATCH)	1591 0090	1593 2500	1595	1597 7850	1600 0350	1602 2940
	TOTAL REVOLUTIONS (FOR WATCH)	22510	22410	22680	22670	22500	22590
	AVERAGE RPM	93.8	93.3	94.5	94.5	93.7	94.1
	F.O. METER (END OF WATCH)	10953 160	1095 5950	1095 8690	1096 1460	1096 4300	1096 7080
	F.O. CONSUMED	2800	2850	2740	2770	2840	2780
MACHINERY PARTICULARS – PRESSURES	THROTTLE	420	420	420	420	420	420
	H.P. AHEAD	420	420	420	420	420	420
	L.P. AHEAD	19	19	19	19	19	19
	VACUUM	29"	28.6	28.7	28.5	28.5	28.7
	L.O. TO TURBINES	12	12.5	12.5	12.5	12.5	12.5
	AUX. STEAM	140	140	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	2	1.5	1.5	1.5	1.5	1.5
	H.P. BLEEDER	75	70	70	70	70	70
	I.P. BLEEDER	9	9	9	9	9	9
	L.P. BLEEDER	12	12	12"	12"	12"	12"
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	730	730	725	730	720	720
	I.P. EXHAUST	106	104	110	110	112	112
	CONDENSATE	104	108	102	105	108	106
	CIRC. WATER IN	74	82	76	74	79	78
	CIRC. WATER OUT	90	92	92	88	92	92
	L.O. TO COOLERS	126	128	126	127	128	126
	L.O. FROM COOLERS	110	110	110	111	110	110
	TEMPERATURE THRUST BEARING	115	118	115	116	115	115
	FORWARD H.P. ROTOR BEARING	120	125	120	122	125	124

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	130	134	130	133	134	134
	FORWARD L. P. ROTOR BEARING	130	130	128	127	130	128
	AFT. L.P. ROTOR BEARING						
	HOTTEST GEAR BEARING FORWARD	146	148	148	145	148	148
	HOTTEST GEAR BEARING AFT	142	142	140	140	142	140
	AUX. COND. CONDENSATE	100	114	108	110	112	112
	1ST STAGE FEED WATER HEATER	170	175	170	170	170	170
	D. C. FEED WATER HEATER	238	238	238	238	238	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS	130	115	120	120	125	125
	F. O. BACK PRESSURE	0	0				
	AIR TO FURNACE	4"	4"	4"	4"	4"	4"
	UPTAKE						
	MAIN STEAM	460	460	460	460	460	460
	SUPER HEAT	730			730	720	720
BOILER PARTICULARS – PRESSURES	F.O. TO BURNERS	150	150	150	150	150	150
	F.O. TEMP. IN SETTLING TANKS	90	98/90	100 90	102 90	100/90	100 80
	PORT BOILER UPTAKE	300	295	290	295	305	290
	STBD. BOILER UPTAKE	295	295	300	305	305	298
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	98	96	95	93	96	98
	FIRE ROOM TEMPERATURE	98	96	95	93	96	98
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	55	55/55	55/55	55/55	55/55	55/55
	CO_2 % PORT BOILER		83			83	
	CO_2 % STBD. BOILER		83			83	
	OIL LEVEL MAIN SUMP	3'	3'	2.8"	2.8"	2'8"	2'8

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	730	8	130	116		62	1500	1500	235
	4	1200	450	730	10	140	120		48	1500	1500	235
1600 TO 2000	3	1200	450	730	8	130	116		62	1400	1400	235
	4	1200	450	730	10	140	128		48	1400	1400	235
2000 TO 2400	3	1200	450	725	8	132	112		62	1450	1450	235
	4	1200	450	725	10	140	122		48	1450	1450	235
2400 TO 0400	3	1200	450	730	8	132	110		62	1440	1440	235
	4	1200	450	730	10	140	120		47	1440	1410	235
0400 TO 0800	3	1200	450	720	8	134	114		62	1600	1450	235
	4	1200	450	720	9	143	124		48	1600	1450	235
0800 TO 1200	3	1200	450	720	8	136	114		62	1600	1600	235
	4	1200	450	720	10	142	124		48	1600	1600	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10967080	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	10950300		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	16740		ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

GENERAL AS BEFORE 18 NOZZLES. MACHINERY IN USE AS BEFORE, CLEANED #2 BURNER, CLEANED STBD FUEL OIL DISCHARGE STRAINER. PUMPED BILGES MADE ROUTINE INSPECTION OF ALL MACHINERY & MACHINERY SPACES. 1330 STBY FIRE & BOAT drill 1352 HT SECURE

FEED TANK .83 GPG WATCH ENGR'S SIGNATURE- Clemons

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE.
CLEANED #4 BURNER ATOMIZER + F.O. SUCTION STRAINER.
BLEW TUBES #3 + #4 BOILER. PUMPED BILGES
ROUTINE INSPECTION OF MACHINERY + SPACES.
ROUTINE REPAIRS + CLEANING.

MAIN COND. .4 G/G. WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH

M/ACH AS BEFORE. CHANGED #6 BURNER & F.O. DISCH STRNR.
PUMPED UP SETTLERS FROM #4 P/S DEEP TK.
TIGHTENED M/N AIR COMP BELTS.
TESTED LOW L.O & OVERSPEED TRIPS

FEED TK .83 G/G M/N COND .41 G/G WATCH ENGR'S SIGNATURE- W. Brazington

2400-0400 WATCH

MACHINERY IN OPERATION AS BEFORE. CHANGED & CLEANED #1 BURNER & STBD STRAINER. MADE ROUNDS & INSPECTION OF MACHINERY SPACES & EQUIPMENT
McGINNIS F/U STOOD OILERS WATCH FROM 0100 TO 0400.
NORMAL STEAMING WATCH.

FEED TANKS .83 GPG. WATCH ENGR'S SIGNATURE- Clemons

0400-0800 WATCH

A BEFORE.
CLEANED #3 BURNER + F.O. SUCTION STNR
PUMPED BILGES. ROUTINE INSPECTIONS OF MACH. AND SPACES.
O'HAULED AND REPLACED PIPING BOILER WATER TEST COOLER
PAINTING BOILER FRONTS.

MAIN COND. .4 G/G WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH

M/ACH AS BEFORE. CHANGED & CLEANED #5 BURNER & F.O DISCH STRNR
BLEW TUBES #3 & 4 BLRS.
TESTED LOW L.O. & OVERSPEED TRIPS

FEED TK .83 G/G M/N COND .41 G/G WATCH ENGR'S SIGNATURE- W. Brazington

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
B[illegible]S	407	HOURS	679
A[illegible]	10.5	AKL	11.1
T[illegible]L	14.6	T-AKL	15.1
SAL.	4.5	SAL.	4.9
PHOS.	40	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN John POPE T-AP110	6-B	BUCKNER BAY		P2-52-R2	12-10 & 11-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1604 5400	1606 7900	1609 0320	1611 2990	1613 5430	1615 7890
TOTAL REVOLUTIONS (FOR WATCH)	22460	22500	22420	22670	22440	22460
AVERAGE RPM	93.6	93.7	93.4	94.5	93.5	93.6
F.O. METER (END OF WATCH)	1096 9890	1097 2730	1097 5470	1097 8260	1098 1100	1098 3860
F.O. CONSUMED	2810	2840	2740	2790	2840	2760
MACHINERY PARTICULARS – PRESSURES: THROTTLE	420	420	420	420	420	420
H.P. AHEAD	420	420	420	420	420	420
L.P. AHEAD	19	19	19	19	19	19
VACUUM	28.6	28.5	28.7	28.5	28.7	28.7
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	135	150	145	145	145
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.6	1.5	1.5	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	12"	12"	12"	12"	12"	12"
TEMPERATURES: STEAM AT THROTTLE	730	720	720	730	720	720
L.P. EXHAUST	106	114	112	112	114	110
CONDENSATE	102	109	106	106	110	104
CIRC. WATER IN	79	82	80	80	82	78
CIRC. WATER OUT	92	92	92	92	94	92
L.O. TO COOLERS	126	128	128	125	126	126
L.O. FROM COOLERS	110	110	110	110	108	110
TEMPERATURE THRUST BEARING	115	115	117	117	115	115
FORWARD H.P. ROTOR BEARING	135	125	122	125	125	122

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	132	134	132	134	134
FORWARD L. P. ROTOR BEARING	130	130	128	130	130	130
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD	144	148	148	148	146	148
HOTTEST GEAR BEARING AFT	142	142	140	142	140	140
AUX. COND. CONDENSATE	100	112	110	110	112	110
1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
D. C. FEED WATER HEATER	240	238	240	240	238	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS	130	110	115	115	125	120
F. O. BACK PRESSURE	0	0				
AIR TO FURNACE	4"	4"	4"	4"	4"	4"
UPTAKE						
TEMPERATURES: MAIN STEAM	460	460	460	460	460	460
SUPER HEAT	730	720	720	730	720	720
F.O. TO BURNERS	150	150	150	150	150	150
F.O. TEMP. IN SETTLING TANKS	100 90	100 95	100 85	100 90	104 90	100 75
PORT BOILER UPTAKE	295	295	295	300	300	290
STBD. BOILER UPTAKE	295	290	290	295	295	295
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	98	98	98	98	98	97
FIRE ROOM TEMPERATURE	98	98	98	98	98	97
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		83			83	
CO_2 % STBD. BOILER		83			83½	
OIL LEVEL MAIN SUMP	2.8	2.8	2'6"	2'6"	2'7"	2'7"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	730	8	130	110		60	1550	1550	235
	4	1200	450	730	10	142	124		48	1550	1550	235
1600 TO 2000	3	1200	450	720	8	136	114		62	1550	1500	235
	4	1200	450	720	9	145	128		48	1450	1500	235
2000 TO 2400	3	1200	450	720	8	136	114		62	1400	1400	235
	4	1200	450	720	10	142	126		48	1400	1400	235
2400 TO 0400	3	1200	450	730	8	136	114		60	1450	1450	235
	4	1200	450	730	10	142	126		46	1450	1450	235
0400 TO 0800	3	1200	450	720	8	134	116		62	1500	1500	235
	4	1200	450	720	9	145	130		48	1500	1500	235
0800 TO 1200	3	1200	450	720	8	134	114		62	1550	1550	235
	4	1200	450	720	9	142	124		48	1550	1550	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1098 3860	BOILER WATER	ON HAND AT START OF DAY
	METER PREVIOUS NOON	1096 7080		EVAPORATED OR RECEIVED
	CONSUMED BY METER	1670		ON HAND
	ON HAND AT START OF DAY			CONSUMED
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY
	EXPENDED DURING DAY			RECEIVED
	REMAINING ON BOARD			ON HAND
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
MACHINERY IN OPERATION AS BEFORE. Changed & Cleaned #2 burner & STbd STrainer. MADE ROUNDS OF MACHINERY SPACES & EQUIPMENT. DAY WORKERS Lagging in Engine Room. NORMAL STEAMING WATCH.

FEED TANKS .83 GPG. WATCH ENGR'S SIGNATURE- Clemons.

1600-2000 WATCH
MACHINERY IN OPERATION AS BEFORE.
BLEW TUBES #3 AND #4 BOILERS.
CLEANED #4 BURNER AND F.O. SUCTION STRAINER.
ROUTINE INSPECTIONS OF MACH AND SPACES
PUMPED BILGES

MAIN COND. .4G/G. WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH
MACH AS BEFORE. CHANGED #6 BURNER & F.O. DISCH STRNR
PUMPED UP SETTLERS FROM 4P/S DEEP TK

FEED TK .83 G/G M/N COND .41 G/G WATCH ENGR'S SIGNATURE- W Brewington

2400-0400 WATCH
MAChinery IN OPERATION AS before. Changed & Cleaned #1 burner & STbd STrainer, Made rounds of machinery spaces & Equipment. Normal Steaming watch.

Feed TANKS .83 GPG. WATCH ENGR'S SIGNATURE- Clemons.

0400-0800 WATCH
MACHINERY IN OPERATION AS BEFORE.
CLEANED #3 BURNER ATOMIZER AND F.O. SUCTION STRAINER
PUMPED BILGES. ROUTINE STEAMING WATCH.

MAIN + AUX COND .4G/G. WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH
MACH AS BEFORE. CHANGED #5 BURNER & F.O. DISCH STRNR
BLEW TUBES #3 & 4 BLRS
PUMPED SETTLERS FROM 4P&S DEEP TKS
TESTED LOW L.O. & OVERSPEED TRIPS
SPLIT PLANT @ 1000

M/N COND .41 FEED TK .83 G/G WATCH ENGR'S SIGNATURE- W Brewington

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	431	HOURS	703
AKL	11.6	AKL	9.9
T-AKL	14.6	T-AKL	14.0
SAL.	4.5	SAL.	5.3
PHOS.	40	PHOS.	30
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP110	6-B	BOCKNER BAY	VUNG TAU	P2-S1-R2	12 - 11+12-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	60				
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)		1618 ~~7520~~				
TOTAL REVOLUTIONS (FOR WATCH)	1618 ~~5540~~	6930				
AVERAGE RPM	94.6	86.6				
F.O. METER (END OF WATCH)	1098 6660	1099 8070	1098 8700	1098 9120	1098 9650	1099 0220
F.O. CONSUMED	2800	1410	630	420	530	570
MACHINERY PARTICULARS – PRESSURES: THROTTLE	420					
H.P. AHEAD	420					
L.P. AHEAD	19					
VACUUM	29	23.5	23.5	23.5	23.5	23.5
L.O. TO TURBINES	12.5	13.4	13.4	13.4	13.4	13.4
AUX. STEAM	140	135	135	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2	2	2.0	2.0	2.4	2.5
H.P. BLEEDER	70	←				
I.P. BLEEDER	9	~				
L.P. BLEEDER	12	21"				
TEMPERATURES: STEAM AT THROTTLE	730	630	630		630	630
L.P. EXHAUST	112	128	125	125	125	126
CONDENSATE	106	105	92	92	96	96
CIRC. WATER IN	80	83	80	80	82	80
CIRC. WATER OUT	92	84		92	86	90
L.O. TO COOLERS	128	104	110	112	112	128
L.O. FROM COOLERS	110	100	105	110	112	110
TEMPERATURE THRUST BEARING	117	104				
FORWARD H.P. ROTOR BEARING	120	105				

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	122				
FORWARD L. P. ROTOR BEARING	130	105				
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD	146	110				
HOTTEST GEAR BEARING AFT	142	105				
AUX. COND. CONDENSATE	102	105	112	108	112	112
1ST STAGE FEED WATER HEATER	170	105	100	105	105	100
D. C. FEED WATER HEATER	240	236	240	238	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS	120	190	190	190	200	190
F. O. BACK PRESSURE	0	0	0	0	0	0
AIR TO FURNACE	4",	2"	3"	2"	2"	2"
UPTAKE						
MAIN STEAM	460	460	460	460	460	460
TEMPERATURES: SUPER HEAT	720	690	630	630	630	630
F.O. TO BURNERS	150	150	150	150	150	150
F.O. TEMP. IN SETTLING TANKS	100	100/95	100/95	100/95	102/95	100/95
PORT BOILER UPTAKE	295	275	265	270	270	270
STBD. BOILER UPTAKE	290	265	255	260	265	260
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	98	96	96	93	94	95
FIRE ROOM TEMPERATURE	98	96	96	93	94	95
NOZZLES IN USE	18	—				
NO. OF BURNERS IN USE	6	2	2	2	2	2
BURNER TIP SIZE	51/55	53/60	53/60	53/60	53/60	53/60
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	2'7"	2'7"	2'5"	2'5"	2'5"	2'5"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	730	8	128	112		62	1500	1500	235
	4	1200	450	730	10	140	124		46	1500	1500	235
1600 TO 2000	3	1200	450	690	8	136	116		62	1400	1400	235
	4	1200	450	690	9	145	128		46	1400	1400	235
2000 TO 2400	3	1200	450	630	8	136	114		62	1450	1450	235
	4	1200	450	630	9	140	124		46	1450	1450	235
2400 TO 0400	3	1200	450	630	8	136	112		60	1300	1300	235
	4	1200	450	630	10	140	120		46	1300	1300	235
0400 TO 0800	3	1200	450	630	8	134	114		60	1350	1350	235
	4	1200	450	630	9	140	124		45	1350	1350	235
0800 TO 1200	3	1200	450	630	8	128	112		60	1350	1350	235
	4	1200	450	630	9	140	124		45	1300	1300	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10990220	BOILER WATER	ON HAND AT START OF DAY
	METER PREVIOUS NOON	10983860		EVAPORATED OR RECEIVED
	CONSUMED BY METER	6360		ON HAND
	ON HAND AT START OF DAY			CONSUMED
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY
	EXPENDED DURING DAY			RECEIVED
	REMAINING ON BOARD			ON HAND
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	3	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
UNDERWAY AS BEFORE 18 NOZZLES, MACHINERY IN USE AS BEFORE, CLEANED #2 ATOMIZER, CLEANED Stbd F O DISCHARGE STRAINER, PUMPED ENGINE ROOM + SHAFT ALLEY BILGES, PUMPED WASTE OIL DRUM, INSPECTED ENGINE ROOM AND MACHINERY.

FEED TANKS 83 GPG.

WATCH ENGR'S SIGNATURE- Clemons

1600-2000 WATCH
AS. BEFORE EXCEPT- BLEW TUBES #3+4 BOILERS
CLEANED #4 BURNER ATOMIZER + F.D. SUCTION STRNER. BLEW TUBES #3+4.

ARRIVAL @ 1700	FWE - @ 1821	BELLS AS PER BELL BOOK.
P-FOM - 3570350	P-FOM - 3570550	JACKING GEAR ENGAGED.
S-FOM - 7417190	S-F.OM - 7417360	SECURED 1ST STAGE EJECTOR
P-CNTR - 16187520	P.CNTR - 16190520	HIGH INJECTION @ 1700.
S-CNTR - 16831900	S-CNTR - 16834780	WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH
MACH AS BEFORE. CLEANED #4 F.O. DISCH STRNR
H/W UNIT ON 2ND STAGE AIR EJECTOR, L.O. & JACK GEAR ON

FWT - WATKINS OILER - NEVILLE

WATCH ENGR'S SIGNATURE- W Bravington

2400-0400 WATCH
AT ANCHOR. VUNG TAU. MAIN ENGINE ON JACKING GEAR, Lube oil cycle. 1ST stage Air EJECTOR SECURED, Secured & Cleaned L.O. Purifier. Held Casualty drill B-6 MAJOR Fuel oil Leak. FROM 0200 TO 0230 3 MEN. Bridge Notified. Made rounds & inspection of MACHINERY SPACES & EQUIPMENT. NORMAL PORT WATCH.
OILER. BEAUCHAMP. F.W.T URRUTIA.
Feed TANKS .83 GPG.

WATCH ENGR'S SIGNATURE- Clemons.

0400-0800 WATCH
MACHINERY IN OPERATION AS BEFORE! PORT WATCH.
HELD CASUALTY DRILL B-6 (MAJOR FUEL OIL LEAK) FROM 0500 TO 0530.
3 MEN PRESENT. BRIDGE NOTIFIED. INSPECTIONS OF MACHINERY + SPACES.
BILGES AT SAFE LEVEL. DRAIN CONDENSATE FROM LUB. OIL SUMP #3+#4 GEN.
MAIN COND. H G/G.
OILER - GUINAN F.W.T - PIXLEY

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH
MACH AS BEFORE. PUMPED SETTLERS FROM ℄ DEEP TK.
BLEW TUBES #3 & 4 BLRS.
PUT IN #3 & 4 BURNERS & SEC'D #5 & 6

WATCH ENGR'S SIGNATURE- W Bravington

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS	HOURS
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PHOS.	PHOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. JOHN POPE	6-C	VUNG TAU	NHA TRANG	P-2	12-12+13-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		120	240	240	168	51
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1619 3480	1620 2700	1622 5340	1624 7640	1626 4790	
TOTAL REVOLUTIONS (FOR WATCH)		9380	22640	22300	17150	
AVERAGE RPM		93.8	94.4	92.9	91.2	
F.O. METER (END OF WATCH)	1099 0750	1099 2580	1099 5330	1099 8090	1100 0490	1100 1110
F.O. CONSUMED	530	1830	2750	2760	2400	620
MACHINERY PARTICULARS – PRESSURES: THROTTLE		425	425	420		
H.P. AHEAD		425	425	420		
L.P. AHEAD		21	21	21		
VACUUM	23.5	28.7	28.8	28.8	29	23.5
L.O. TO TURBINES	13	12.4	12.4	12.5	12.5	12.5
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2.5	1.5	1.5	1.5	1.5	2.0
H.P. BLEEDER		70	70	70	70	
I.P. BLEEDER		7	7	9	9	
L.P. BLEEDER		12"	12"	12"	19"	
TEMPERATURES: STEAM AT THROTTLE		730	720	720	650	630
L.P. EXHAUST		125	106	108		
CONDENSATE		102	106	106		90
CIRC. WATER IN		80	78	78	80	81
CIRC. WATER OUT		92	92	92	90	82
L.O. TO COOLERS		114	126	124		108
L.O. FROM COOLERS		110	108	110		104
TEMPERATURE THRUST BEARING		115	115	115		
FORWARD H.P. ROTOR BEARING		125	122	120		

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING		130	132	130		
FORWARD L. P. ROTOR BEARING		130	128	130		
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD		148	150	148		
HOTTEST GEAR BEARING AFT		140	140	140		
AUX. COND. CONDENSATE	108	110	106	106	106	104
1ST STAGE FEED WATER HEATER	96	175	170	170	170	120
D. C. FEED WATER HEATER	238	238	240	240	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	150	150	150	115	225	200
F. O. BACK PRESSURE	0	0		0		
AIR TO FURNACE	2"	140	114	4"		2"
UPTAKE	270 260		295 295			
P – MAIN STEAM	650	730	720	450	450	450
SUPER HEAT	450	450	450	730	650	630
PRESSURES: F.O. TO BURNERS	190	115	115	150	150	150
F.O. TEMP. IN SETTLING TANKS	100 95	102 90	100 85	100 90	100 90	100 75
T – PORT BOILER UPTAKE	270	300	295	290		
STBD. BOILER UPTAKE	260	295	295	295		
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	95	92	95	94	94	95
FIRE ROOM TEMPERATURE	95	92	95	94	94	95
NOZZLES IN USE		18	18	18	Block	
NO. OF BURNERS IN USE	2	6	6	6	2	2
BURNER TIP SIZE	53/60	51/55	51/55	51/55	51/55	53/60
CO_2 % PORT BOILER		83				
CO_2 % STBD. BOILER		83				
OIL LEVEL MAIN SUMP	2'5"	2'5"	2'5"	2'5"	2'6"	2'6"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	650	8	130	112		60	1350	1350	235
	4	1200	450	650	10	140	126		46	1350	1350	235
1600 TO 2000	3	1200	450	730	8	130	112		60	1300	1300	235
	4	1200	450	730	9	140	121		46	1300	1300	235
2000 TO 2400	3	1200	450	720	8	132	110		60	1350	1350	235
	4	1200	450	720	10	140	120		46	1350	1350	235
2400 TO 0400	3	1200	450	720	8	130	110		60	1350	1350	235
	4	1200	450	720	10	140	120		46	1350	1350	235
0400 TO 0800	3	1200	450	650	8	130	110		60	1500	1500	235
	4	1200	450	650	10	140	120		46	1500	1500	235
0800 TO 1200	3	1200	450	630	8	130	112		60	1450	1450	235
	4	1200	450	630	10	140	120		46	1450	1450	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	10990220		EVAPORATED OR RECEIVED	
	CONSUMED BY METER			ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

AT ANChor, VUNG TAU. Changed & Cleaned F.O. burners & STRAINERS, VAC ON MAIN UNIT, JACKING GEAR ENGAGED, ROUNDS & INSPECTION OF MACHINERY SPACES & EQUIPMENT. NORMAL PORT WATCH.
Tested Steering Gear @ 1545

WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH

AS BEFORE EXCEPT:
TESTING GEAR @ 1600. TIME CHECK 1615. TEST TELEGRAPH @ 1649.

STBY @ 1651	DEPARTURE @ 1800	BELLS AS PER BELL BOOK.
P-F.O.M. - 3572390	P-FOM - 3572570	19 NOZZLES @ 1830
S.F.O.M - 7418660	SFOM - 7418830	MAIN COND. .4G/G.
P-CNTR - 16190880	P-CNTR - 16193480	
S-CNTR - 16835380	S-CNTR - 16837996	WATCH ENGR'S SIGNATURE- [signature]

2000-2400 WATCH

MACH AS BEFORE. CHANGED F.O. DISC STRNR
PUMPED UP SETTLERS FROM 1¢ DEEP TK

WATCH ENGR'S SIGNATURE- [signature]

2400-0400 WATCH

MACHINERY IN OPERATION AS BEFORE. Changed & Cleaned #1 burner & STBD STRAINER. Made rounds & INSPECTION OF MACHINERY SPACES & EQUIPMENT. NORMAL STEAMING WATCH.

WATCH ENGR'S SIGNATURE- [signature]

0400-0800 WATCH

AS BEFORE: EXCEPT.
14 NOZZLES @ 0603. SEA DETAIL @ 0630. 12 NOZ. @ 0635. [illegible] @ 0648

ARRIVAL @ 0648		MAIN COND. .4G/G
F.O.M-P - 3576910		PUMPED BILGES.
F.O.M-S - 7423290		
CNTR-P - 16264790		
CNTR-S - 16911470		WATCH ENGR'S SIGNATURE- [signature]

0800-1200 WATCH

MACH AS BEFORE. MANEUVERING INTO N/A TRAWL
FWE @ 0851 FOM 3577220 FOM 7423560 CTR 16269370
SEC'D STM TO M/N UNIT & PUT ON JACK GEAR ON 2ND STAGE AIR EJECT
BLEW TUBES #3 & 4 BLRS.
PUMPED UP SETTLER FROM 1¢ DEEP TK.

WATCH ENGR'S SIGNATURE- [signature]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	479	HOURS	751
AKL	11.6	AKL	11.1
T-AKL	15.1	T-AKL	14.6
SAL.	4.5	SAL.	5.8
PHOS.	30	PHOS.	30
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen, John Pope	6-B	NHA TRANG ~~Eung Ro~~	Eung Ro	P-2	12-13+14-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						120
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						10850
AVERAGE RPM			1100 2610			90.4
F.O. METER (END OF WATCH)	1100 1620	1100 2120	~~1100~~	1100 3110	1100 3750	1100 5960
F.O. CONSUMED	510	500	490	500	640	1210
MACHINERY PARTICULARS — PRESSURES: THROTTLE						420
H.P. AHEAD						420
L.P. AHEAD						19
VACUUM	23.2	23.2	23.2	23.2	27	27.5
L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5	13.5
AUX. STEAM	150	140	140	140	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3	3	3.0	3.0	3.0	2.5
H.P. BLEEDER						–
I.P. BLEEDER						–
L.P. BLEEDER						–
TEMPERATURES: STEAM AT THROTTLE						
L.P. EXHAUST	125	126	123	120		106
CONDENSATE	94	90	88	90		102
CIRC. WATER IN	76	78	76	76		80
CIRC. WATER OUT	82	82	90	82		82
L.O. TO COOLERS	112	112	112	114		112
L.O. FROM COOLERS	108	110	110	110		108
TEMPERATURE THRUST BEARING						118
FORWARD H.P. ROTOR BEARING						126

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING						125
FORWARD L. P. ROTOR BEARING						125
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						140
HOTTEST GEAR BEARING AFT						135
AUX. COND. CONDENSATE	94	106	106	104	106	106
1ST STAGE FEED WATER HEATER	110	110	110	110	110	170
D. C. FEED WATER HEATER	238	238	240	240	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — ~~TEMPERATURES~~ P: F.O. TO BURNERS	180	175	175	170	200	120
F. O. BACK PRESSURE	0					
AIR TO FURNACE	2"	2"	2"	2"	4"	4"
UPTAKE						
MAIN STEAM	450	450	450	450	450	450
SUPER HEAT	650	650	650	650	650	
~~PRESSURES~~ T: F.O. TO BURNERS	150	150	150	150	150	150
F.O. TEMP. IN SETTLING TANKS	90 100	90 110	100 75	100 90	100 90	102 85
PORT BOILER UPTAKE	270	280	275	270	275	295
STBD. BOILER UPTAKE	260	270	265	260	265	290
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	92	92	89	88	88	94
FIRE ROOM TEMPERATURE	92	92	89	88	88	94
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	53/60	53/60	53/60	53/60	5/55	5/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	2'5"	2'5"	2'5"	2'5"	2'5"	2'5"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	650	8	130	108		60	1250	1250	235
	4	1200	450	650	10	138	120		48	1250	1250	235
1600 TO 2000	3	1200	450	650	8	138	116		62	1200	1200	235
	4	1200	450	650	10	140	122		48	1200	1200	235
2000 TO 2400	3	1200	450	650	8	132	110		62	1250	1250	235
	4	1200	450	650	10	138	120		48	1250	1250	235
2400 TO 0400	3	1200	450	650	8	130	110		62	1200	1200	235
	4	1200	450	650	10	135	120		46	1200	1200	235
0400 TO 0800	3	1200	450	650	8	130	110		62	1350	1350	235
	4	1200	450	650	10	140	120		46	1350	1350	235
0800 TO 1200	3	1200	450	650	8	130	120		62	1300	1300	235
	4	1200	450	650	10	140	120		46	1300	1300	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	11005960	BOILER WATER: ON HAND AT START OF DAY	
	METER PREVIOUS NOON	11001110	EVAPORATED OR RECEIVED	
	CONSUMED BY METER		ON HAND	
	ON HAND AT START OF DAY		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL: ON HAND AT START OF DAY	
	EXPENDED DURING DAY		RECEIVED	
	REMAINING ON BOARD		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY		CONSUMED	
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

AT Anchor, Nha Trang, # 3-4 Boilers, Feed Pumps, F.O. Service Pumps, # 3-4 Gen, Main Engine on Jacking gear, VAC UP, Lube oil Cycle. Made rounds & inspection of mach spaces & Equipment. Normal Port watch.

Oiler - Beauchamp, F.W.T. - Urrutia. WATCH ENGR'S SIGNATURE - [signature]

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE.
MAKE ROUNDS + INSPECTIONS OF MACHINERY + SPACES.
BILGES AT SAFE LEVEL - TIGHTEN LOWER GEAR COVER #3 F.O. SERVICE PUMP TO CORRECT OIL LEAK.

COND .46/G. F.W.T - PITLEY. OILER - GOWAN WATCH ENGR'S SIGNATURE - McDonald

2000-2400 WATCH

MACH AS BEFORE CHANGED F.O. DISCH STRNR.

F.W.T - WATKINS OILER - NEVILLE WATCH ENGR'S SIGNATURE - W. J. Brazington

2400-0400 WATCH

Machinery in operation as before. Cleaned stbd F.O. Strainer. Changed & Cleaned burners, Pumped Engine Room & Shaft Alley bilges. Rounds & inspection of Machinery spaces & Equipment. Normal Port watch.

Oiler - Beauchamp. F.W.T - URRUTIA. WATCH ENGR'S SIGNATURE - [signature]

0400-0800 WATCH

MACHINERY AS BEFORE EXCEPT.
WHEEL CLEARANCE @ 0652 - TESTING GEAR @ 0700, TEST TELEGRAPH @ 0707.
ROUTINE ANCHOR WATCH. INSPECT ALL EQUIP. IN PREPARATION TO GET UNDERWAY.

MAIN COND. .46/G WATCH ENGR'S SIGNATURE - McDonald

0800-1200 WATCH

MACH AS BEFORE. PREPARING TO LEAVE NHA TRANG.
STBY @ 0811 FCM 3579120 FCM 7424220 CTR 16269650
DEPT & 18 NOZZLES @ 0900 FCM 3579400 FCM 7424390 CTR 16273710
BLEW TUBES #3 & 4 BLRS
TOPPED OFF SETTLERS FROM 3P/S D.B.
SLOWED TO 12 NOZZLES @ 1051 ARRIVAL @ 1100 FCM 3580090 FCM 7425690
CTR 16284590 WATCH ENGR'S SIGNATURE - W. J. Brazington

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	503	HOURS	775
AKL	9.34	AKL	9.93
T-AKL	12.8	T-AKL	13.4
SAL.	4.14	SAL.	4.97
PHOS.	30	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE - [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope	6-C	Eung Ro	Qui Nhon	P2	11-14-15-66

MACHINERY PARTICULARS

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						210
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						1630 4190
TOTAL REVOLUTIONS (FOR WATCH)						1370
AVERAGE RPM						91.4
F.O. METER (END OF WATCH)	1100 6560	1100 7150	1100 7690	1100 8210	1100 8830	1100 1320
F.O. CONSUMED	600	590	540	520	620	2490
PRESSURES — THROTTLE						420
PRESSURES — H.P. AHEAD						420
PRESSURES — L.P. AHEAD						19
PRESSURES — VACUUM	27	26.5	26.5	26.5	26.7	29"
PRESSURES — L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5	13
PRESSURES — AUX. STEAM	140	140	140	140	140	140
PRESSURES — BACK PRESSURE	9	9	9	9	9	9
PRESSURES — GLAND STEAM	2.8	3.0	3.0	3.0	2.0	2.0
PRESSURES — H.P. BLEEDER						70
PRESSURES — I.P. BLEEDER						8
PRESSURES — L.P. BLEEDER						12"
TEMPERATURES — STEAM AT THROTTLE						725
TEMPERATURES — L.P. EXHAUST	125	124	117	118	122	108
TEMPERATURES — CONDENSATE	104	90	92	94	100	104
TEMPERATURES — CIRC. WATER IN	76	78	76	76	78	76
TEMPERATURES — CIRC. WATER OUT	82	80	80	80	80	80
TEMPERATURES — L.O. TO COOLERS	114	112	110	112	106	124
TEMPERATURES — L.O. FROM COOLERS	110	112	108	108	104	108
TEMPERATURES — TEMPERATURE THRUST BEARING						115
TEMPERATURES — FORWARD H.P. ROTOR BEARING						120

MACHINERY PARTICULARS (CONT'D)

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
TEMPERATURES (CONT'D) — AFT. H. P. ROTOR BEARING						132
TEMPERATURES (CONT'D) — FORWARD L. P. ROTOR BEARING						130
TEMPERATURES (CONT'D) — AFT. L.P. ROTOR BEARING						
TEMPERATURES (CONT'D) — HOTTEST GEAR BEARING FORWARD						148
TEMPERATURES (CONT'D) — HOTTEST GEAR BEARING AFT						140
TEMPERATURES (CONT'D) — AUX. COND. CONDENSATE	104	104	104	104	106	106
TEMPERATURES (CONT'D) — 1ST STAGE FEED WATER HEATER	110	110	110	110	105	170
TEMPERATURES (CONT'D) — D. C. FEED WATER HEATER	238	238	240	240	238	240
TEMPERATURES (CONT'D) — 3RD STAGE FEED WATER HEATER						

BOILER PARTICULARS

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
TEMPERATURES — F.O. TO BURNERS	180	180	180	180	190	120
TEMPERATURES — F. O. BACK PRESSURE						
TEMPERATURES — AIR TO FURNACE	2"	2"	2"	2"	2"	4"
TEMPERATURES — UPTAKE						
TEMPERATURES — P MAIN STEAM	450	450	450	450	450	450
PRESSURES — SUPER HEAT	650	650	650	650	650	725
PRESSURES — F.O. TO BURNERS	150	150	150	150	150	150
PRESSURES — F.O. TEMP. IN SETTLING TANKS	100 90	102 90	100 90	100 85	102 90	102 90
PRESSURES — PORT BOILER UPTAKE	280	275	280	280	285	295
PRESSURES — T STBD. BOILER UPTAKE	270	260	265	265	265	290

MISCELLANEOUS

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
ENGINE ROOM TEMPERATURE	92	92	91	90	92	95
FIRE ROOM TEMPERATURE	92	92	91	90	92	95
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	6
BURNER TIP SIZE	53/60	53/60	53/60	53/60	51/55	51/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	2'5"	2'5"	2'5"	2'5"	2'3"	2'7"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	650	8	130	110		62	1350	1350	235
	4	1200	450	650	10	138	120		48	1350	1350	235
1600 TO 2000	3	1200	450	650	9	132	110		62	1300	1300	235
	4	1200	450	650	10	140	122		48	1300	1300	235
2000 TO 2400	3	1200	450	650	8	132	110		62	1200	1200	235
	4	1200	450	650	8	138	120		48	1200	1200	235
2400 TO 0400	3	1200	450	650	8	130	110		62	1250	1250	235
	4	1200	450	650	10	138	118		48	1250	1250	235
0400 TO 0800	3	1200	450	650	9	132	112		62	1300	1300	235
	4	1200	450	650	10	140	122		46	1250	1250	235
0800 TO 1200	3	1200	450	725	8	132	110		62	1500	1500	235
	4	1200	450	725	10	140	120		46	1500	1500	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1101/1320
FUEL OIL	METER PREVIOUS NOON	1100/5960
FUEL OIL	CONSUMED BY METER	5360
FUEL OIL	ON HAND AT START OF DAY	
FUEL OIL	RECEIVED DURING DAY	
FUEL OIL	EXPENDED DURING DAY	
FUEL OIL	REMAINING ON BOARD	
DOMESTIC WATER	ON HAND AT START OF DAY	
DOMESTIC WATER	EVAPORATED OR RECEIVED	
DOMESTIC WATER	ON HAND	
DOMESTIC WATER	CONSUMED	
BOILER WATER	ON HAND AT START OF DAY	
BOILER WATER	EVAPORATED OR RECEIVED	
BOILER WATER	ON HAND	
BOILER WATER	CONSUMED	
LUBE OIL	ON HAND AT START OF DAY	
LUBE OIL	RECEIVED	
LUBE OIL	ON HAND	
LUBE OIL	CONSUMED	

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
AT ANCHOR. ENG RM. # 3-4 BOILERS, FEED PUMPS, F.D. BLOWERS & F.O. PUMPS
3-4 GEN, MAIN UNIT ON JACKING GEAR, LUBE OIL CYCLE, VAC UP.
CHANGED & CLEANED BURNERS STBD STRAINER, BILGES DRY. ROUNDS & INSPECTION OF MACH SPACES & EQUIPMENT, NORMAL PORT WATCH.

F.W.F C 1143 C-16285190. F.O.M P-3580200 S-7425800 JR. ENGR-LESLIE
OILER-BEAUCHAMP. FWT. URRUTIA WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH
MACHINERY IN OPERATION AS BEFORE.
ROUTINE INSPECTION OF MACH. + SPACES.
NORMAL PORT WATCH.

FWT-PINLEY OILER-GUINAN WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH
MACH AS BEFORE. CHANGED PORT F.O DISCH STRNR

FWT-WATKINS OILER-NEVILLE WATCH ENGR'S SIGNATURE- [signature]

2400-0400 WATCH
MACHINERY IN OPERATION AS BEFORE. CLEANED STBD F.O. STRAINER.
BILGES DRY. HELD CASUALTY DRILL B-7 FORCED DRAFT BLOWER FAILURE 3MEN
BRIDGE NOTIFIED. ROUNDS & INSPECTION OF MACH SPACES & EQUIPMENT.
NORMAL PORT WATCH.

OILER-BEAUCHAMP. FWT. URRUTIA WATCH ENGR'S SIGNATURE- [signature]

0400-0800 WATCH
MACHINERY IN OPERATION AS BEFORE EXCEPT.
HELD ENG. CASUALTY DRILL # B-7, FORCED DRAFT BLOWER FAILURE, 3 MEN PRESENT. BRIDGE NOTIFIED. TEST O'SPEED + LOW OIL PRESSURE TRIP MAIN TURB.
CHIEF ENG. IN ENG. RM. @ 0635 TO 0638. WHEEL CLEAR. @ 0642.
TESTING GEAR @ 0700. TIME + TELEGRAPH TEST @. 0707.

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH
MACH AS BEFORE. PREPARING TO LEAVE UNNC RO.
STBY @ 0801 FOM 3581770 FOM 742716C CTR. 16286140
DEPT & 18 NOZZLES @ 0830 FOM 3581810 FOM 7427230 CTR. 16286820
BLEW TUBES #3 & 4 BLRS. HELD CASUALTY DRILL B-7 @ 1000-1020 AMONG WATCH PERSONNEL

WATCH ENGR'S SIGNATURE- [signature]

CHIEF ENGINEER

BOILER WATER READINGS

STBD		PORT	
HOURS	527	HOURS	799
AKL	9.34	AKL	9.34
T-AKL	12.85	T-AKL	12.85
SAL.	4.14	SAL.	4.97
PHOS.	40	PHOS.	30
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. JOHN. POPE				P2	12-15+16-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)	1101 2190	1101 2720	1101 3240	1101 3730	1101 4290	1101 4570
F.O. CONSUMED	870	530	520	490	560	580
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM	26.5	26.5	26.5	26.5	26.5	27
L.O. TO TURBINES	13.5	13.5	14.0	13.5	13.5	13.5
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2.5	2.5	2.5	2.5	2.5	2.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST	126	126	118	116	118	118
CONDENSATE	92	90	94	92	88	88
CIRC. WATER IN	78	78	78	76	78	76
CIRC. WATER OUT	88	82	90	82	82	80
L.O. TO COOLERS	112	112	110	112	112	110
L.O. FROM COOLERS	110	110	106	108	110	108
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	104	104	104	104	106	106
1ST STAGE FEED WATER HEATER	110	104	110	110	110	110
D. C. FEED WATER HEATER	240	238	240	240	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	180	180	180	200	190	190
F. O. BACK PRESSURE						
AIR TO FURNACE	2"	2"	2"	2"	2"	2"
UPTAKE						
MAIN STEAM	450	450	450	450	450	450
BOILER PARTICULARS – PRESSURES – SUPER HEAT	650	650	650	650	650	630
F.O. TO BURNERS	150	150	150	150	150	150
F.O. TEMP. IN SETTLING TANKS	90 / 100	90 / 100	90 / 100	90 / 100	102 / 90	102 / 80
PORT BOILER UPTAKE	275	270	275	275	275	275
STBD. BOILER UPTAKE	270	260	280	270	270	280
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	92	92	91	90	90	91
FIRE ROOM TEMPERATURE	92	92	91	90	90	91
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	53/60	53/60	53/60	53/60	53/60	53/60
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	2'4"	2'4"	2'4"	2'4"	2'4"	2'5"

GENERATORS

	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	650	8	132	110		62	1250	1250	235
	4	1200	450	650	10	138	122		48	1250	1250	235
1600 TO 2000	3	1200	450	650	8	132	110		62	1300	1300	235
	4	1200	450	650	10	140	122		48	1300	1300	235
2000 TO 2400	3	1200	450	650	8	132	110		62	1250	1250	235
	4	1200	450	650	10	138	120		48	1250	1250	235
2400 TO 0400	3	1200	450	650	8	132	110		62	1250	1250	235
	4	1200	450	650	10	138	118		48	1250	1250	235
0400 TO 0800	3	1200	450	650	8	132	110		62	1250	1250	235
	4	1200	450	650	10	140	122		48	1250	1250	235
0800 TO 1200	3	1200	450	630	8	32	110		62	1300	1300	235
	4	1200	450	630	10	140	120		48	1300	1300	235

FUEL - WATER AND LUBE OIL

F. OIL	METER AT NOON	1101 4950	BOILER WATER	ON HAND AT START OF DAY
	METER PREVIOUS NOON	1101 1320		EVAPORATED OR RECEIVED
	CONSUMED BY METER	3630		ON HAND
	ON HAND AT START OF DAY			CONSUMED
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY
	EXPENDED DURING DAY			RECEIVED
	REMAINING ON BOARD			ON HAND
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

Arrival Qui Nhon @ 1200 F.O.M. 11011560 CTR-16306450. F.W.E @ 1306
F.O.M. 11011870. CTR-16308720. Main Engine on jacking gear, VAC up & Lube oil cycle
Secured & Cleaned L.O. Purifier. Made rounds & inspection of mach spaces & Equipment.
Normal Port Watch.

WATCH ENGR'S SIGNATURE- Clem

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE.
ROUTINE INSPECTIONS OF MACHINERY + SPACES.
BILGES AT SAFE LEVEL. CLEANED F.O. SUCTION STRAINER.

FWT - PIXLEY OILER - GUINAN
MAIN + AUX. COND. 26/6.

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH

MACH AS BEFORE CHANGED PORT F.O. DISCH STRNR

FWT - WATKINS OILER - Neville

WATCH ENGR'S SIGNATURE- W Brockington

2400-0400 WATCH

At anchor, Qui Nhon. Machinery in operation as before. Cleaned Stbd
F.O. Strainer. Routine inspection of machinery spaces & Equipment.
Normal Port Watch.

Oiler - Beauchamp. F.W.T Urrutia

WATCH ENGR'S SIGNATURE- Clem

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE.
CLEANED F.O. SUCTION STRAINER. COMPOUND BOILERS. BILGES AT SAFE
LEVEL. ROUTINE INSPECTIONS OF MACHINERY + SPACES
SECURE STEAM PRESSURE GAGE VALVE # 4 BOILER.

FWT - PIXLEY OILER - GUINAN

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH

MACH AS BEFORE PREPARING TO LEAVE QUI NHON
WHEEL CLEAR @ 1054 STN TO G.L. @ 1108 TIME & TELE CHECK @ 1100

WATCH ENGR'S SIGNATURE- W Brockington

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	551	HOURS	823
AKL	9.34	AKL	9.34
T-AKL	12.26	T-AKL	11.68
SAL.	4.14	SAL.	4.5
PHOS.	30	PHOS.	30
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE T-AP110		QUE NHAN	SAN FRANCISCO	P-2	12-16+17-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	198	240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1632 6320	1634 9120	1637 1820	1639 4970	1641 7840	1644 0660
TOTAL REVOLUTIONS (FOR WATCH)	16190	22800	22700	23150	22870	22820
AVERAGE RPM	81.7	95.0	94.6	96.4	95.2	95.1
F.O. METER (END OF WATCH)	1101 7100	1102 0060	1102 2990	1102 5740	1102 8670	1103 1530
F.O. CONSUMED	2330	2960	2930	2750	2930	2860
MACHINERY PARTICULARS – PRESSURES: THROTTLE	420	420	420	420	420	420
H.P. AHEAD	420	420	420	420	420	420
L.P. AHEAD	20	21	26	21	23	23
VACUUM	28.5	28.5	28.5	28.5	28.5	28.5
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	135	140	135	135	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2.5	2.5	2.5	0	.2	0
H.P. BLEEDER	80	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER			12"	12"	12"	12"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	725	725	730	730	725	725
L.P. EXHAUST	110	118	116	114	116	112
CONDENSATE	106	114	112	110	112	110
CIRC. WATER IN	76	82	80	80	82	80
CIRC. WATER OUT	82	94	94	92	94	94
L.O. TO COOLERS	114	130	128	130	128	128
L.O. FROM COOLERS	110	112	110	110	110	110
TEMPERATURE THRUST BEARING	114	115	116	116	115	115
FORWARD H.P. ROTOR BEARING	120	125	122	124	125	125

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	134	132	134	134	136
FORWARD L. P. ROTOR BEARING	130	130	130	130	130	130
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD	142	150	148	146	150	150
HOTTEST GEAR BEARING AFT	140	144	140	140	142	140
AUX. CONO. CONDENSATE	104	107	106	106	110	110
1ST STAGE FEED WATER HEATER	170	175	175	175	175	175
D. C. FEED WATER HEATER	240	238	240	240	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	125	140	135	120	120	125
F. O. BACK PRESSURE	0	0		0	0	0
AIR TO FURNACE	4"	4"	4"	4"	4"	4"
UPTAKE						
PRESS: MAIN STEAM	460	460	460	460	460	460
SUPER HEAT	725	725	730	730	725	725
PRESSURES: F.O. TO BURNERS	150	150	150	150	150	150
F.O. TEMP. IN SETTLING TANKS	90/100	95/102	102 92	100 100	100/102	102 100
PORT BOILER UPTAKE	295	300	305	300	330	305
STBD. BOILER UPTAKE	290	295	315	300	310	300
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	98	98	99	98	98	99
FIRE ROOM TEMPERATURE	98	98	99	98	98	99
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/56	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		83			83	
CO_2 % STBD. BOILER		83½			83	
OIL LEVEL MAIN SUMP	2'6"	2'6"	2'6"	2'5"	2'6"	2'7"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	725	8	130	110		62	1300	1300	235
	4	1200	450	725	10	140	120		48	1300	1300	235
1600 TO 2000	3	1200	450	725	8	134	114		62	1400	1400	235
	4	1200	450	725	10	143	124		48	1400	1400	235
2000 TO 2400	3	1200	450	730	8	134	112		62	1300	1300	235
	4	1200	450	730	10	140	122		48	1300	1300	235
2400 TO 0400	3	1200	450	730	8	134	112		62	1300	1300	235
	4	1200	450	730	10	140	120		48	1300	1300	235
0400 TO 0800	3	1200	450	725	8	134	112		62	1350	1350	235
	4	1200	450	725	10	140	124		42	1400	1400	235
0800 TO 1200	3	1200	450	725	8	134	114		62	1350	1350	235
	4	1200	450	725	10	142	124		42	1350	1350	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1103 1530
	METER PREVIOUS NOON	1101 4550
	CONSUMED BY METER	1,580
	ON HAND AT START OF DAY	
	RECEIVED DURING DAY	
	EXPENDED DURING DAY	
	REMAINING ON BOARD	
DOMESTIC WATER	ON HAND AT START OF DAY	
	EVAPORATED OR RECEIVED	
	ON HAND	
	CONSUMED	

BOILER WATER	ON HAND AT START OF DAY	
	EVAPORATED OR RECEIVED	
	ON HAND	
	CONSUMED	
LUBE OIL	ON HAND AT START OF DAY	
	RECEIVED	
	ON HAND	
	CONSUMED	

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZLES, # 3-4 Boilers, FO Pumps, F.D blowers, & F.O. Service Pumps, # 3-4 GEN. AUX Circ, Cond Pump & Air Ejector, MAIN Circ, Air Ejector & ## 4 Cond Pump, # 2 Air Comp, L.O. Purifier, DEP C1242, C-16310130, F.O M-11018130 Rounds & insp. of mach spaces & equipment. Normal steaming watch.

WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE.
BLEW TUBES #3 & #4 BOILERS. NORMAL STEAMING WATCH.
TIGHTEN LOWER GAGE GLASS UPPER VALVE FLANGE ON #4 BOILER.
PUMPED BILGES.

MAIN COND. .26/G.

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH

MACH AS BEFORE. CHANGED #6 BURNER & #4 F.O. DISCH STRNR.
PUMPED UP SETTLERS FROM 3P/S D.B.
TESTED LOW L.O. & OVERSPEED TRIPS
CHANGED & CLEANED ALL GEN. L.O. STRNRS

WATCH ENGR'S SIGNATURE- W. Bassington

2400-0400 WATCH

MACHINERY AS BEFORE. Changed & Cleaned #1 burner & Stbd F.O. Strainer. Rounds & inspection of mach spaces & equipment. Normal steaming watch.

WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE.
CLEANED #3 BURNER + F.O. SUCTION STRAINER. ROUTINE STEAMING WATCH.
PUMPED BILGES. CHANGED TO INBOARD SETTLER @ 0700.

MAIN COND. .26/G.

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH

MACH AS BEFORE. CHANGED #5 BURNER & #4 F.O. STRNR
BLEW TUBES #3 & 4 BLRS
GRAVITATED L.O. FROM L.O. SETTLING TK TO S/AFT ALLEY DAY TK.
PUMPED SETTLERS FROM 3P/S & & D.B.
TESTED LOW L.O. & OVERSPEED TRIPS

WATCH ENGR'S SIGNATURE- W. Bassington

CHIEF ENGINEER

BOILER WATER READINGS

STBD		PORT	
HOURS	575	HOURS	847
AKL	11.10	AKL	8.18
T-AKL	14.6	T-AKL	12.26
SAL.	4.14	SAL.	4.9
PHOS.	40	PHOS.	40
R.ph	11	R.ph	10.6

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE-TAPILO	6F	QUE NHAN	SAN FRANCISCO	P-2	12-17+18-66

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	240	240	240	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1646 3380	1648 5990	1650 8500	1653 1260	1655 4150	1657 6820
TOTAL REVOLUTIONS (FOR WATCH)		22720	22610	22510	22860	22790	22670
AVERAGE RPM		94.7	94.2	93.8	95.2	94.9	94.5
F.O. METER (END OF WATCH)		11034 320	1103 7110	1103 9980	1104 2770	1104 5530	1104 8380
F.O. CONSUMED		2790	2790	2870	2790	2760	2850
MACHINERY PARTICULARS – PRESSURES	THROTTLE	420	420	420	420	420	420
	H.P. AHEAD	420	420	420	420	420	420
	L.P. AHEAD	21	23	22	22	22	22
	VACUUM	28.6	28.6	28.7	28.6	28.6	28.7
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
	AUX. STEAM	140	140	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	0	.4	.5	0	6	-
	H.P. BLEEDER	80	70	70	70	70	70
	I.P. BLEEDER	9	9	9	9	9	9
	L.P. BLEEDER	15"	12"	12"	12"	11"	11"
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	725	715	720	725	715	720
	L.P. EXHAUST	114	116	116	112	112	110
	CONDENSATE	106	112	110	108	112	106
	CIRC. WATER IN	76	84	82	80	83	78
	CIRC. WATER OUT	92	96	96	92	94	88
	L.O. TO COOLERS	124	128	126	126	128	126
	L.O. FROM COOLERS	110	110	108	110	110	110
	TEMPERATURE THRUST BEARING	116	116	115	115	115	115
	FORWARD H.P. ROTOR BEARING	120	125	120	120	125	120
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	130	134	132	130	132	132
	FORWARD L. P. ROTOR BEARING	130	130	128	130	130	128
	AFT. L.P. ROTOR BEARING						
	HOTTEST GEAR BEARING FORWARD	146	148	148	146	150	148
	HOTTEST GEAR BEARING AFT	142	142	140	140	142	140
	AUX. COND. CONDENSATE	104	110	110	108	110	108
	1ST STAGE FEED WATER HEATER	170	175	175	175	175	170
	D. C. FEED WATER HEATER	240	238	238	138	238	238
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – PRESSURES	F.O. TO BURNERS	125	120	125	125	125	120
	F. O. BACK PRESSURE	0	0	0	0	0	
	AIR TO FURNACE	4.0"	4"	4"	4"	4"	4"
	UPTAKE						
	MAIN STEAM	460	460	460	460	460	460
BOILER PARTICULARS – TEMPERATURES	SUPER HEAT	725	715	720	725	715	720
	F.O. TO BURNERS	150	150	150	150	150	150
	F.O. TEMP. IN SETTLING TANKS	90/100	90/100	100/95	100/95	102/100	102/90
	PORT BOILER UPTAKE	305	300	305	305	305	295
	STBD. BOILER UPTAKE	300	290	305	310	310	290
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	100	102	100	100	100	100
	FIRE ROOM TEMPERATURE	100	102	100	100	100	100
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/66	51/55	51/55	51/55	51/55	51/55
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	2'7"	2'7"	2'7"	2'7"	2'7"	2'7"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	725	8	132	110		62	1350	1350	235
	4	1200	450	725	10	140	124		42	1350	1350	235
1600 TO 2000	3	1200	450	715	8	134	114		62	1350	1350	235
	4	1200	450	715	10	145	126		42	1350	1350	235
2000 TO 2400	3	1200	450	720	8	132	114		62	1300	1300	235
	4	1200	450	720	10	140	124		42	1300	1300	235
2400 TO 0400	3	1200	450	725	8	132	112		62	1300	1300	235
	4	1200	450	725	10	140	120		42	1300	1300	235
0400 TO 0800	3	1200	450	715	8	134	114		62	1400	1400	235
	4	1200	450	715	10	145	124		42	1400	1400	235
0800 TO 1200	3	1200	450	720	8	134	112		62	1350	1350	235
	4	1200	450	720	10	140	120		42	1350	1350	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	11048380	BOILER WATER – ON HAND AT START OF DAY	
	METER PREVIOUS NOON	11031530	BOILER WATER – EVAPORATED OR RECEIVED	
	CONSUMED BY METER	16850	BOILER WATER – ON HAND	
	ON HAND AT START OF DAY		BOILER WATER – CONSUMED	
	RECEIVED DURING DAY		LUBE OIL – ON HAND AT START OF DAY	
	EXPENDED DURING DAY		LUBE OIL – RECEIVED	
	REMAINING ON BOARD		LUBE OIL – ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY		LUBE OIL – CONSUMED	
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

UNDERWAY AS BEFORE 18 NOZZLES, CHECKED ALL MACHINERY IN USE. CLEANED #2 ATOMIZER AND STBD F.O. DISCH STRAINER, PUMPED ENGINE ROOM BILGE, NORMAL STEAMING WATCH.

WATCH ENGR'S SIGNATURE- Clemmer

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE
BLEW TUBES #3 + #4 BOILERS. CLEANED #4 BURNER AND F.O. SUCTION STRAINER. WATER TIGHT DOORS CLOSED @ 1742, B.D.B.
COMPOUND #4 BOILER. PUMPED SHAFT ALLEY BILGES.

MAIN COND. 2 G/G.

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH

MACH AS BEFORE CHANGED #6 BURNER & #4 F.O DISCH STRNR
PUMPED UP SETTLERS FROM 3¢ D.B.
TIGHTENED SIDE ROD NUTS #3 M/N FD PUMP.

WATCH ENGR'S SIGNATURE- W Brazington

2400-0400 WATCH

UNDERWAY AS BEFORE 18 NOZZLES, MADE ROUTINE INSPECTION OF MACHINERY SPACES AND MACHINERY, CLEANED #1 ATOMIZER AND STBD F.O. DISCHARGE STRAINER, PUMPED ENGINE ROOM BILGES, CARRIED OUT ALL STANDING ORDERS AND WATCH ROUTINE.

WATCH ENGR'S SIGNATURE- Clemmer

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE.
CLEANED #3 BURNE ATOMIZER + F.O. SUCTION STRAINER
PUMPED SHAFT ALLEY BILGES. ROUTINE INSPECTIONS OF MACH. + SPACES
SWITCHED TO INBOARD SETTLER @ 0700.

MAIN COND. 2 G/G.

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH

MACH AS BEFORE. CHANGED #6 BURNER & #4 F.O. DISCH STRNR
BLEW TUBES #3 & 4 BLRS.
PUMPED SETTLERS FROM 3¢ & 2P/S D.B.
TESTED LOW L.O. & OVERSPEED TRIPS

WATCH ENGR'S SIGNATURE- W Brazington

CHIEF ENGINEER

BOILER WATER READINGS

STBD #3		PORT #4	
HOURS	619	HOURS	871
AKL	11.10	AKL	9.34
T-AKL	15.18	T-AKL	13.43
SAL.	4.56	SAL.	4.56
PHOS.	40	PHOS.	40
R.ph	11	R.ph	11
SO_3	60	SO_3	60

CHIEF ENGR'S SIGNATURE- [illegible]