ENGINE ROOM LOG

GEARED TURBINE DRIVE

USNS Gen. John Pope (TAP 110)

FROM 2 Dec. 1200 **19** 66 **TO** 1 Jan. 2400 **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 (TAP110)	6-A	Oakland Calif	Okinawa	P2-S2-DR	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)	1569 3120	1571 6110	1574 1470	1576 6920	1579 2940	1581 5530
TOTAL REVOLUTIONS (FOR WATCH)	22580	22990	25360	25450	26020	22590
AVERAGE RPM	94.1	95.7	97.5	97.8	100.0	94.2
F.O. METER (END OF WATCH)	1013 4680	1013 7170	1013 9930	1014 2620	1014 5300	1014 7820
F.O. CONSUMED	2490	2490	2760	2690	2680	2520
MACHINERY PARTICULARS — PRESSURES — THROTTLE	430	435	435	430	430	440
H.P. AHEAD	430	435	430	430	430	435
L.P. AHEAD	20	21	21	21	20	22
VACUUM	28"	27.3	28"	28.2"	28.2	28"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	5
GLAND STEAM	2.5	2.	2	2	2	2.5
H.P. BLEEDER	72	52	72	72	56	74
I.P. BLEEDER	—	7			7	
L.P. BLEEDER	13	11	13	13	11	13
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	710	705	705	700	705	695
L.P. EXHAUST	103	105	103	103	104	105
CONDENSATE	96	98	100	98	96	100
CIRC. WATER IN	74	74	74	74	74	77
CIRC. WATER OUT	84	86	86	86	86	88
L.O. TO COOLERS	123	126	126	126	126	127
L.O. FROM COOLERS	106	108	108	107	106	107
TEMPERATURE THRUST BEARING	116	116	116	116	116	116
FORWARD H.P. ROTOR BEARING	124	125	130	130	130	130

	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	134	135	135	135	135	135
FORWARD L. P. ROTOR BEARING	130	132	132	131	130	134
AFT. L.P. ROTOR BEARING	125	125	125	126	125	125
HOTTEST GEAR BEARING FORWARD	155	160	160	160	160	160
HOTTEST GEAR BEARING AFT	144	140	145	145	145	145
AUX. COND. CONDENSATE 1	96	sec			sec	
AUX. COND. CONDENSATE 2		115	115		116	115
1ST STAGE FEED WATER HEATER	156	158	160	158	158	160
D. C. FEED WATER HEATER	238	240	240	238	238	240
3RD STAGE FEED WATER HEATER	150 / 160					
BOILER PARTICULARS — PRESSURES — F.O. TO BURNERS P	185	180	182	190	195	180
F.O. TO BURNERS S	185	185	192	188	185	184
F. O. BACK PRESSURE	10	10	10	10	10	10
AIR TO FURNACE P	5.8	5.0	4.6	4.8	5.3	5.2
AIR TO FURNACE S	4.5	3.3	3.2	3.6	6.0	3.5
BOILER PARTICULARS — TEMPERATURES — UPTAKE	.41	.41	.43	.41	.41	.41
MAIN STEAM	710	705	705	700	705	695
SUPER HEAT	440	435	435	435	430	440
F.O. TO BURNERS P	195	180	190	180	180	190
F.O. TO BURNERS S	185	200	185	175	190	185
F.O. TEMP. IN SETTLING TANKS P	98	100	98	100	100	117
F.O. TEMP. IN SETTLING TANKS S	100	108	117	108	117	128
PORT BOILER UPTAKE	330	335	327	330	340	335
STBD. BOILER UPTAKE	325	325	320	320	330	320
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	83	82	82	82	84	86
FIRE ROOM TEMPERATURE	83	82	82	82	84	86
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'8"	1'8"	1'10"	1'2"	1'3"	1'2"

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	2	1200	430	710	7	134	120		58	1450	1350	235
1600 TO 2000	1			sec								
	2	1200	435	705	7	134	120		58	1500	1500	230
2000 TO 2400	2	1200	435	705	7	136	120		58	1350	1300	230
2400 TO 0400	2	1200	430	700	7	136	120		58	1350	1350	231
0400 TO 0800	1				sec							
	2	1200	430	705	7	134	120		58	1350	1350	230
0800 TO 1200	2	1200	440	695	7	136	120		58	1450	1400	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10147820
FUEL OIL	METER PREVIOUS NOON	10132190
FUEL OIL	CONSUMED BY METER	15630
FUEL OIL	ON HAND AT START OF DAY	12,373
FUEL OIL	RECEIVED DURING DAY	-0-
FUEL OIL	EXPENDED DURING DAY	750
FUEL OIL	REMAINING ON BOARD	11,623
DOMESTIC WATER	ON HAND AT START OF DAY	857
DOMESTIC WATER	EVAPORATED OR RECEIVED	170
DOMESTIC WATER	ON HAND	825
DOMESTIC WATER	CONSUMED	196
BOILER WATER	ON HAND AT START OF DAY	108
BOILER WATER	EVAPORATED OR RECEIVED	23
BOILER WATER	ON HAND	97
BOILER WATER	CONSUMED	34
LUBE OIL	ON HAND AT START OF DAY	3300
LUBE OIL	RECEIVED	-0-
LUBE OIL	ON HAND	3280
LUBE OIL	CONSUMED	20
		1510
	On Hand	1505
		5

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 1/3	3.50	4 1/3	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP POS.	10.5
DETENTION TIME	-0-	BBL FUEL/MI	1.40 1.57
TOTAL REVOLUTIONS	143170	WIND DIRECTION	240°
AVERAGE R.P.M.	95.4	STATE OF SEA	smooth
TOTAL MILES BY ENGINE	534	STATE OF WEATHER	71°
TOTAL MILES BY OBSERVATION	478		

REMARKS

1200-1600 WATCH

Underway on 18 No22 Mach Inoperation #1+2 Boilers 1+2 F.D. Blowers 1+2 F.O.S. Pmps. 1+2 MN. F.D. Pumps. Main A.R. Ejector. MN Circ + 2 Cond. Pmps. L.O. purifier. L.O.S. Pump. 2 Aux Generator. Aux A.R. Ejector. Circ + Cond pump ~~over~~ to Main. Fire + San Pump. Port Steering Gear. Tested overspeed trip + Low L.O. Alarm on MN Turbine + Throttle Checked Steering Fr Gear. Eng's Casualty on #1 MN Feed Pump. Coil Burned out @1445. Repairs Made by Chief Elect. back in Service @1500. Chief Engr. Witness the Casualty. Pumped L.O. From #1 Aux Gen through purifier into MN Sump. Checked Mach + Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Bunny

1600-2000 WATCH

Steaming as before on 18 nozzles. from 1600 to 1620 blew tubes on #1+2 boilers. Pumped bilges and Cargo holes. Checked all operating mach. inspected S.E. Room. Carried out standing orders.

Conditions normal.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH

Steaming as before on 18 Nozzles; Pumped up Settlers From #2 P+S DB.; Changed and cleaned #2 Gen. L.O. Strainer. Renewed Gasket on #1 Gen. L.O. Sump.; Sec. Checked Steering Gear and Tak. Water Soundings; Made Rounds and Checked all Running Mach; Steam Leak on Port Steam line From #4 PDB. Retarded clocks 20 min. @ 2300. Added 1 Gal L.O. #2 FD. Pump.

WATCH ENGR'S SIGNATURE- J. Edwards

2400-0400 WATCH

Underway on 18 No22 Mach as Before. Changed + Cleaned F.O. Center burners and stbd disch strainer. Retarded Clocks 20 mins @ 0100. Shifted + Cleaned Main L.O. disch Strainer. Filled #1 Aux Generator. L.O. Sump From Main. Secured + Cleaned L.O. Purifier @0130 back in Service @0200. Checked Steering Fr. Gear. Pumped Cargo holds Bilges. Daily test of Stby L.O. Pump For 1-hr. Shifted F.O. Suct to Port Stbd Sett @0220 Bridge Reported Water Running Cont. in Troop Shower 2-210-1 Jr. Checked Found valve wheels Missing @0320 Made Routine Inspections of Mach + Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Bunny

0400-0800 WATCH

Steaming as before on 18 nozzles. Changed and Cleaned bottom burner in #1+2 boilers. shifted Port F.O. suction strainer. shifted and cleaned main L.O. strainer. at 0425 retarded Clocks (20 min.) 0530 Bridge reported 5° stbd list on ship, shifted F.W. Suction to 3 stbd. distilling to 3 Port. 0615 Called out duty Elect. to fit gage glasses lights on #1+2 boilers. Checked all operating mach.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH

Steaming as before on 18 Nozzles; Pumped up Settlers From #4 S DB.; Changed and cleaned Top F.O. Burners; Changed and Cleaned F.O. Suct. Strainer; Change and Cleaned #2 Gen. L.O. Strainer. Steam Cracked To #4 &; Adjusted F.O. Control Valves; Reefer on Watch notified of malfunctioning Scuttlebutt in Troop Comp. 2-7; Jr. Checked Steering Gear; Made Rounds and Checked all Running Mach.. Pumped Bilges and Bilge Holds #2 + 3 S..

WATCH ENGR'S SIGNATURE- J. Edwards

CHIEF ENGINEER

STBD.	PORT.
BOILER TEST. WS - FS	
HOURS - 249	HOURS - 249 - 249
AKL - 11.68	AKL - 8.76
TAKL - 15.18	T-AKL - 14.60
CL - 4.56	CL - 2.49
PHOS. .50	PHOS. .38
PH - 10.0	PH - 10.0

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-112	6-A	OAKLAND CALIF	OKINAWA	P2-S2-R2	12-3-4-46

	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)	1583 8880	1586 2000	1588 7080	1591 2240	1593 7190	1595 9890
TOTAL REVOLUTIONS (FOR WATCH)	23350	93130	25080	25160	25950	22700
AVERAGE RPM	97.3	96.3	96.5	96.7	99.8	94.6
F.O. METER (END OF WATCH)	1015 0420	1015 2890	1015 5630	1015 8310	1016 0990	1016 3550
F.O. CONSUMED	2600	2470	2740	2680	2680	2560
MACHINERY PARTICULARS — PRESSURES — THROTTLE	430	435	435	435	430	435
H.P. AHEAD	430	430	430	430	430	430
L.P. AHEAD	21	22	22	22	22"	21
VACUUM	28"	27.5	28"	28"	28"	28"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	145
BACK PRESSURE	9	9	8	9	9	9
GLAND STEAM	2.5	3.5	3	2.5	3	2
H.P. BLEEDER	74	72	74	74	70	76
I.P. BLEEDER		7			7	
L.P. BLEEDER	13	11	13	13	11	13
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	640	690	690	670	680	685
L.P. EXHAUST	105	104	103	104	105	104
CONDENSATE	103	98	100	100	102	102
CIRC. WATER IN	74	76	75	76	76	76
CIRC. WATER OUT	86	86	86	88	89	89
L.O. TO COOLERS	126	124	126	125	126	126
L.O. FROM COOLERS	108	106	106	107	106	106
TEMPERATURE THRUST BEARING	116	118	117	116	116	116
FORWARD H.P. ROTOR BEARING	130	130	128	128	128	128

	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	135	135	135	135	135	135
FORWARD L. P. ROTOR BEARING	132	130	130	130	130	130
AFT. L.P. ROTOR BEARING	130	130	127	125	125	127
HOTTEST GEAR BEARING FORWARD	160	160	160	160	160	160
HOTTEST GEAR BEARING AFT	145	145	145	145	145	145
AUX. COND. CONDENSATE 1	103	sec / 115	115		sec / 115	115
AUX. COND. CONDENSATE 2						
1ST STAGE FEED WATER HEATER	160	160	160	160	162	160
D. C. FEED WATER HEATER	236	240	235	235	238	240
~~3RD STAGE FEED WATER HEATER~~ Rotor Clearance	050 / 100	—	—	—		
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P	200	180	170	170	190	185
F.O. TO BURNERS S	195	170		170	170	
F. O. BACK PRESSURE	10	14	10	10	10	7
AIR TO FURNACE P	5.5	4.0	3.5	4.0	4.3	3.5
AIR TO FURNACE S	5.6	3.3	4.5	4.2	4.2	5.0
~~UPTAKE~~ Salinity	-	-	.41	.41	.41	.41
BOILER PARTICULARS — PRESSURES — MAIN STEAM	440	435	435	440	430	435
SUPER HEAT	670	690	690	670	680	685
F.O. TO BURNERS P	196	185	190	196	185	185
F.O. TO BURNERS S	190	190		190	195	172
F.O. TEMP. IN SETTLING TANKS P	118	115	110	108	105	110
F.O. TEMP. IN SETTLING TANKS S	118	110	118	118	115	118
PORT BOILER UPTAKE	340	325	335	325	330	322
STBD. BOILER UPTAKE	325	310	315	310	310	305
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	86	84	82	82	84	84
FIRE ROOM TEMPERATURE	86	84	82	82	84	84
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					19 1/4 %	
CO_2 % STBD. BOILER					20 1/4 %	
OIL LEVEL MAIN SUMP	1'2"	1'3"	1'2"	1'2"	1'3"	1'2"

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	2	1200	430	690	7	138	122		58	1450	1450	230
1600 TO 2000	1			sec								
	2	1200	430	690	7	136	122		58	1350	1350	230
2000 TO 2400	2	1200	435	690	7	134	120		58	1400	1400	230
2400 TO 0400	2	1200	435	670	7	133	121		58	1350	1350	230
0400 TO 0800	1			sec								
	2	1200	430	680	7	134	120		58	1500	1500	230
0800 TO 1200	2	1200	435	685	7	134	120		58	1500	1500	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10163550
FUEL OIL	METER PREVIOUS NOON	10147820
FUEL OIL	CONSUMED BY METER	15730
FUEL OIL	ON HAND AT START OF DAY	11623
FUEL OIL	RECEIVED DURING DAY	-0-
FUEL OIL	EXPENDED DURING DAY	716
FUEL OIL	REMAINING ON BOARD	10907
DOMESTIC WATER	ON HAND AT START OF DAY	826
DOMESTIC WATER	EVAPORATED OR RECEIVED	129
DOMESTIC WATER	ON HAND	780
DOMESTIC WATER	CONSUMED	174
BOILER WATER	ON HAND AT START OF DAY	97
BOILER WATER	EVAPORATED OR RECEIVED	64
BOILER WATER	ON HAND	120
BOILER WATER	CONSUMED	41
LUBE OIL	ON HAND AT START OF DAY	3280
LUBE OIL	RECEIVED	-0-
LUBE OIL	ON HAND	3260
LUBE OIL	CONSUMED	20

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.) 1505

On Hand 1503

2

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 1/3	4 1/3	4 1/3	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	Pos. 11.36
DETENTION TIME	-0-	BBL FUEL/MI	1.35 1.53
TOTAL REVOLUTIONS	141,620	WIND DIRECTION	320
AVERAGE R.P.M.	94.4	STATE OF SEA	Avg. Swell
TOTAL MILES BY ENGINE	528	STATE OF WEATHER	68°
TOTAL MILES BY OBSERVATION	468		

REMARKS

1200-1600 WATCH
Underway on 18 Nozz. Mach. Inoperation #1&2 Boilers. 1&2 Fd. Blowers. 1&2 F.O.S. Pumps. 1&2 MN Fd. Pmps. MN Air Ejector. MN. Circ & 2 Cond. Pmps. L.O. purifier. L.O.S. Pump. #2 Aux Generator. Aux Air Ejector. Circ & Cond Pmps. ~~over~~ to Main. Port Steering Gear. Fire & San Pump. Tested overspeed trip & Low L.O. Alarm on MN Turbine & Thrust. Pumped Cargo holds Bilges. Checked Steering E.R. Gear. Added 4 Gal L.O. to #1 MN Feed Pump. Made Routine Inspections of Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Steaming as before on 18 nozzles. Blowed tubes on #1 & 2 boilers 1600 to 1620. Pumped some F.O. out of #4 DB C/L into settlers. due to air over flow out the sounding tube. Changed bottom burner in #1 & 2 boilers. shifted and Cleaned F.O. disch. strainer on #2 boiler. Noted noise in #2 feed Pump. reported same to Ch. Eng. Checked all operating mach. inspected S.E. Room. Pumped bilges

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH
Steaming as before on 18 nozzles; #2 MN. Fd. Pump secured from 2005 to 2040 for repairs by Chief Eng. and 1st A/E; Pumped Settlers from 4 P DB; Jr. Checked Steering Gear and Tank Water Soundings; Troop Corp. 4-5 reported "No Ventilation", notified Roofer on watch. Changed and cleaned #2 Gen L.O. Strainer; Added 1 Gal L.O. to #1 & #2 MN. Fd. Pumps. Brushes on #2 Gen. Sparking Slightly @ 2305; made Rounds and checked all Running Mach.; Retarded clocks 20 min. @ 2300. Pumped Bilges.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
Underway on 18 Nozz Mach as Before. Changed & Cleaned Center F.O. Burners & stbd disch strainer. Shifted & Cleaned main L.O. strainer. Retarded Clocks 20 mins. @0100 Daily test of stby L.O. pump for 1-hr Polished Pilot valve. Pumped Bilges. Checked Steering E.R. Gear. Made Routine Inspections of Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Steaming as before on 18 Nozz. At 0425 retarded Clocks (20 min.) Changed bottom burners on #1 & 2 boilers, shifted and Cleaned main L.O. strainer. At 0630 Cruising Conditions modified. Checked all operating mach. Made routine inspections of S.E. Room and outside spaces.

Conditions normal.

WATCH ENGR'S SIGNATURE- Jm Jones

0800-1200 WATCH
Steaming as before on 18 nozzles; Pumped up Settlers from #4 P & S DB, Finished Pumping from #4 ℄; Changed to outboard Settler @ 0805; Blew tubes @ 0800; Changed and cleaned top F.O. Burners; Changed and cleaned F.O. Sect. Strainer; Changed and cleaned #2 Gen. L.O. Strainer; Steam on Settlers @ 1015 off @ 1130; Added 3 Gals L.O. to #2 Fd. Pump. Made Rounds and checked all Running Mach.; Steam on #5 P & S DB; Brushes #2 Gen. Still Sparking Slightly. Jr. made Steering Eng. Rounds.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER TEST

STBD.	PORT.
273 HOURS. FS 273	HOURS. 273 WS - FS 273
AKL 9.76	AKL. 7.01
T. AKL. 15.18	T. AKL. 11.10
CL. 4.14	CL. 2.07
PHOS. 50	PHOS. 30
R-PH. 10.0	R-PH. 10.0

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	6-A	Oakland Calif	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)	1598 2690	1600 5840	1602 9070	1605 2440	1607 5790	1609 9160
TOTAL REVOLUTIONS (FOR WATCH)	22800	23150	23230	23370	23350	23370
AVERAGE RPM	95.0	96.4	96.8	97.4	97.2	97.4
F.O. METER (END OF WATCH)	1016 6060	1016 8560	1017 1110	1017 3640	1017 6110	1017 8660
F.O. CONSUMED	2510	2500	2550	2530	2470	2550
MACHINERY PARTICULARS — PRESSURES — THROTTLE	430	435	435	435	435	430
H.P. AHEAD	430	430	430	430	430	425
L.P. AHEAD	21	21	21	21	21	21
VACUUM	28"	28	28"	28"	28"	28"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	145	145	145	145	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2	2	2.5	2.5	3	2.5
H.P. BLEEDER	74	65	72	72	54	54
I.P. BLEEDER		7			6	
L.P. BLEEDER	13	11	13	13	11"	13
TEMPERATURES — STEAM AT THROTTLE	690	685	690	690	695	695
L.P. EXHAUST	106	105	105	105	105	105
CONDENSATE	101	100	102	102	104	102
CIRC. WATER IN	78	77	77	77	78	78
CIRC. WATER OUT	89	90	90	89	90	90
L.O. TO COOLERS	126	126	126	126	128	126
L.O. FROM COOLERS	108	108	107	108	108	107
TEMPERATURE THRUST BEARING	116	118	117	117	120	117
FORWARD H.P. ROTOR BEARING	130	130	128	128	130	129

MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D)	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
AFT. H. P. ROTOR BEARING	135	135	135	135	135	135
FORWARD L. P. ROTOR BEARING	132	130	132	133	135	131
AFT. L.P. ROTOR BEARING	127	127	127	127	130	128
HOTTEST GEAR BEARING FORWARD	160	160	160	160	160	160
HOTTEST GEAR BEARING AFT	145	145	145	145	145	145
AUX. COND. CONDENSATE 1 / 2	115	sec / 115	115	114	sec / 120	120
1ST STAGE FEED WATER HEATER	160	161	160	160	160	162
D. C. FEED WATER HEATER	238	238	236	238	240	235
~~3RD STAGE FEED WATER HEATER~~ HP / LP	050 / 100					
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P / S	175 / 180	170 / 180	175	175 / 180	190 / 180	170 / 190
F. D. BACK PRESSURE	10	10	9	10	10	10
AIR TO FURNACE P / S	4.2 / 5.0	4.0 / 4.4	4.0 / 4.8	4.8 / 5.0	4.3 / 5.0	4.8 / 5.4
SALINITY UPTAKE	.41	.41	.41	.41	.41	.41
MAIN STEAM	440	435	435	435	435	430
PRESSURES — SUPER HEAT	690	685	690	690	695	695
F.O. TO BURNERS P / S	185 / 185	190 / 190	190	190 / 190	190 / 190	192
F.O. TEMP. IN SETTLING TANKS P / S	104 / 104	100 / 100	114 / 111	110 / 108	110 / 108	112 / 112
TEMPS. — PORT BOILER UPTAKE	310	325	332	135	335	342
STBD. BOILER UPTAKE	310	310	310	315	315	312
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	84	84	83	83	82	84
FIRE ROOM TEMPERATURE	84	84	83	83	82	84
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER				+	19½%	
CO_2 % STBD. BOILER					20½%	
OIL LEVEL MAIN SUMP	1'3"	1'3"	1'4"	1'4"	1'3"	1'4"

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	2	1200	430	690	7	134	120		58	1450	1450	230
1600 TO 2000	1			sec								
	2	1200	435	685	7	134	122		58	1500	1450	230
2000 TO 2400	2	1200	435	690	7	134	120		58	1500	1400	230
2400 TO 0400	2	1200	435	690	7	134	120		58	1350	1350	230
0400 TO 0800	1			sec								
	2	1200	435	695	7	136	122		58	1450	1400	230
0800 TO 1200	2	1200	430	695	7	134	120		58	1450	1400	230

FUEL - WATER AND LUBE OIL

FUEL OIL — METER AT NOON	10178660	
FUEL OIL — METER PREVIOUS NOON	10163450	
FUEL OIL — CONSUMED BY METER	15210	
FUEL OIL — ON HAND AT START OF DAY	10,807	
FUEL OIL — RECEIVED DURING DAY	-0-	
FUEL OIL — EXPENDED DURING DAY	700	
FUEL OIL — REMAINING ON BOARD	10,207	
DOMESTIC WATER — ON HAND AT START OF DAY	780	
DOMESTIC WATER — EVAPORATED OR RECEIVED	148	
DOMESTIC WATER — ON HAND	943	
DOMESTIC WATER — CONSUMED	185	
BOILER WATER — ON HAND AT START OF DAY	120	
BOILER WATER — EVAPORATED OR RECEIVED	21	
BOILER WATER — ON HAND	108	
BOILER WATER — CONSUMED	33	
LUBE OIL — ON HAND AT START OF DAY	3260	
LUBE OIL — RECEIVED	-0-	
LUBE OIL — ON HAND	3240	
LUBE OIL — CONSUMED	20	
		1503
	On Hand	1500
		3

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	1440	PERCENT OF SLIP Pos.	12.1
DETENTION TIME	-0-	BBL FUEL/MI	1.87 1.56
TOTAL REVOLUTIONS PK	136,980	WIND DIRECTION	350°
AVERAGE R.P.M.	95.1	STATE OF SEA	Sm Swell
TOTAL MILES BY ENGINE	511	STATE OF WEATHER	68°
TOTAL MILES BY OBSERVATION	449		

REMARKS

1200-1600 WATCH UNDERWAY ON 18 NOZZ MACH IN OPERATION #1 & 2 BOILERS 1 & 2 F.D. BLOWERS 1 & 2 F.O.S. PUMPS 1 & 2 MN F.O. PMPS. MN AIR EJECTOR. MN. CIRC & 2 COND PMPS. L.O. PURIFIER. L.O.S. PMP. #2 AUX GENERATOR. AUX AIR EJECTOR. AUX CIRC & COND PMPS OVER to MAIN. PORT STEERING GEAR. FIRE & SAN. PUMP. Tested OVERSPEED TRIP & LOW L.O. ALARM ON MN. TURBINE & MACH. PUMPED BILGES Checked STEERING ER. GEAR. MADE ROUTINE INSPECTIONS OF MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH Steaming as before on 18 Nozz. 1600 to 1620 blew tubes on #1 & 2 boilers. Changed and Cleaned bottom burner in #1 & 2 boilers. Shifted and Cleaned Port disch. F.O. strainer. Checked A.S. Eng. room. Pumped bilges, Carried out regular watch routine.

WATCH ENGR'S SIGNATURE- J M Jones

2000-2400 WATCH STEAMING AS BEFORE ON 18 NOZZLES; PUMPED UP SETTLERS FROM #4 &; CHANGED OVER TO INBOARD SETTLER; JR. CHECKED STEERING GEAR AND TOOK WATER SOUNDINGS; CHANGED AND CLEANED #2 GEN L.O. STRAINER; MADE ROUNDS AND CHECKED ALL RUNNING MACH.; ADDED 3 GAL. L.O. TO #1 F.O. PUMP; 2 GALS L.O. TO #2 F.O. PUMP.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH UNDERWAY ON 18 NOZZ MACH AS BEFORE. CHANGED & CLEANED CENTER F.O. BURNERS & STBD disch STRAINER. Shifted & CLEANED MAIN L.O. STRAINERS. PUMPED BILGES. Held ENGS CASUALTY drill B-4 LOW WATER IN BOILER. WATCH INST. & BRIDGE Notified. 0100-0130 Checked STEERING ER. GEAR. MADE ROUTINE INSPECTIONS OF MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH Steaming on 18 nozzles. Plant set up as previous watch. 0500 to 0530 Held Casualty Drill B-4 low water in the boiler. four men present. Held instructions and reported to the Bridge. Changed bottom burner in #1 & 2 boilers, shifted and Cleaned main L.O. strainer. Checked A.S. Eng. room. routine check and inspections of all operating mach. #2 turbo gen. lower rings sparking excessively on commutator and slip ring. Ch. Eng. notified.

WATCH ENGR'S SIGNATURE- J M Jones

0800-1200 WATCH STEAMING AS BEFORE ON 18 NOZZLES; BLEW TUBES @ 0815; #1 MN. F.O. PUMP KICKED OUT ON OVERLOAD WHILE BLOWING TUBES, CALLED ELECTRICIAN, PUMP BACK ON LINE @ 0825. PUMPED UP SETTLERS FROM #4 &; CHANGED AND CLEANED TOP F.O. BURNERS, CLEANED AND CHANGED F.O. SUCT. STRAINER; CHANGED AND CLEANED #2 GEN L.O. STRAINER; 35# REDUCING STATION HAMMERING UP, TRIED ADJUSTING BUT WILL NOT OPERATE PROPERLY. HELD CASUALTY DRILL B-4 LOW WATER IN BOILER, 4 MEN PRESENT 1000-1020; MADE ROUNDS AND CHECKED ALL RUNNING MACH., JR. CHECKED STEERING GEAR.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER TEST-

STBD-	PORT
	WS - FS
HOURS FS 297	HOURS - 297-297
AKL. 11.68	AKL. 6.42
T-AKL. 17.52	T-AKL. 14.60
CL. 3.73	CL. 2.07
R.PL 10.0	R-PL 10.0
PHOS. 40	PHOS. 38

WS 297

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	6-A	Oakland Calif	Okinawa	P2-S2-R2	12-5-6-61

	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)	1612 2700	1614 6280	1617 2030	1619 7780	1622 2090	1624 5570
TOTAL REVOLUTIONS (FOR WATCH)	23540	23580	25750	25750	25110	23480
AVERAGE RPM	98.0	98.2	99.0	99.0	96.5	97.8
F.O. METER (END OF WATCH)	1018 1260	1018 3910	1018 6860	1018 9730	1019 2600	1019 5290
F.O. CONSUMED	2600	2650	2950	2870	2890	2690
MACHINERY PARTICULARS — PRESSURES — THROTTLE	430	435	440	435	430	445
H.P. AHEAD	438	435	435	430	430	285
L.P. AHEAD	24	21	26	25	25	13
VACUUM	28"	28"	28"	28"	28"	28.2"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	5
GLAND STEAM	3.5	4	3	3	2.5	3
H.P. BLEEDER	74	60	76	72	72	60
I.P. BLEEDER		7			7	
L.P. BLEEDER	17	11"	11"	11	11"	17"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	680	705	705	700	700	680
L.P. EXHAUST	106	106	107	105	105	100
CONDENSATE	103	104	104	101	101	103
CIRC. WATER IN	76	78	75	76	76	57
CIRC. WATER OUT	90	90	90	89	89	86
L.O. TO COOLERS	125	126	127	125	123	127
L.O. FROM COOLERS	107	108	105	108	104	105
TEMPERATURE THRUST BEARING	116	116	117	116	115	117
FORWARD H.P. ROTOR BEARING	126	125	128	125	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	135	135	137	135	135	135
FORWARD L. P. ROTOR BEARING	132	135	132	132	130	128
AFT. L.P. ROTOR BEARING	128	130	130	130	130	127
HOTTEST GEAR BEARING FORWARD	160	160	162	160	155	140
HOTTEST GEAR BEARING AFT	145	145	146	146	145	138
AUX. COND. CONDENSATE 1 / 2	110	106/112	107/110	107/110	105/103	110
1ST STAGE FEED WATER HEATER	160	164	162	162	161	155
D. C. FEED WATER HEATER	238	240	239	238	240	240
3RD ~~STAGE FEED~~ WATER HEATER	1050 160					
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P / S	200 / 200	200/200	198/200	200/195	180/190	190/200
F. O. BACK PRESSURE	10	12	10	10	10	10
AIR TO FURNACE P / S	5.5 / 5.0	6.0/6.2	5.2/6.4	5.3/6.2	5.3/6.3	5.8/4.5
~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
MAIN STEAM	435	435	440	440	430	445
SUPER HEAT	670	705	705	700	700	680
BOILER PARTICULARS — PRESSURES — F.O. TO BURNERS P / S	190/190	175/200	190	190	200/190	200
F.O. TEMP. IN SETTLING TANKS P / S	114/110	112/105	105/115	110/110	115/105	110/116
PORT BOILER UPTAKE	345	345	330	330	350	335
STBD. BOILER UPTAKE	315	320	330	315	325	317
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	85	86	87	87	86	87
FIRE ROOM TEMPERATURE	85	86	87	87	86	87
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					19.9/20	
CO_2 % STBD. BOILER					19.7/20	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"		1'4"

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	1	1200	430	670	7	120	110		62	800	750	230
	2	1201	430	670	9	136	124		58	800	750	230
1600 TO 2000	1	1200	435	705	7	120	110		62	600	600	230
	2	1200	435	705	9	134	122		58	500	500	230
2000 TO 2400	1	1200	440	705	9	120	110		62	700	700	230
	2	1200	440	705	7	136	122		58	750	750	230
2400 TO 0400	1	1200	435	700	9	120	110		62	700	700	230
	2	1200	435	700	7	136	122		58	700	650	230
0400 TO 0800	1	1200	430	700	9	120	110		62	850	850	230
	2	1200	430	700	7	134	120		58	750	750	230
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10195290	BOILER WATER — ON HAND AT START OF DAY	108
	METER PREVIOUS NOON	10178660	EVAPORATED OR RECEIVED	61
	CONSUMED BY METER	16630	ON HAND	124
	ON HAND AT START OF DAY	10207	CONSUMED	45
	RECEIVED DURING DAY	-0-	LUBE OIL — ON HAND AT START OF DAY	3240
	EXPENDED DURING DAY	750	RECEIVED	-0-
	REMAINING ON BOARD	9457	ON HAND	3220
DOMESTIC WATER	ON HAND AT START OF DAY	743	CONSUMED	20
	EVAPORATED OR RECEIVED	124		1500
	ON HAND	1679	ON HAND	1498
	CONSUMED	188		2

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 1/3	4 1/3	4 1/3	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	POS. 7.82
DETENTION TIME	-0-	BBL FUEL/MI	1.39 1.51
TOTAL REVOLUTIONS	144140	WIND DIRECTION	350
AVERAGE R.P.M.	96.1	STATE OF SEA	Mod Sweell
TOTAL MILES BY ENGINE	537	STATE OF WEATHER	70°
TOTAL MILES BY OBSERVATION	495		

REMARKS

1200-1600 WATCH

Underway on 18 Nozz Mach Inoperation #1+2 Boilers 1+2 FD Blowers 1+2 F.O.S. Pumps. 1+2 Main Fd pumps. Main Air Ejector. M.Circ & 2 Cond Pumps. L.O. purifier. L.O. pump. 2 Aux Generator. Fire & San pump. Port Steering Gear Aux Circ & Cond pump & Air Ejector ~~overdo~~ Main. Tested overspeed trip & 2nd L.O. alarm on Mn Turbine & Thrust. Started #1 Aux Generator @1210 put on the Line @1342 Started AC unit @1330 put on Line @1410. Shifted F.O. suct to Port Inbd SeH @1535 Checked steering E.R. Gear. Made Routine Inspections of Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

Steaming as before on 18 Nozz. 1600 to 1615 blew tubes on #1 & 2 boilers. At 1250 #1 main feed Pump stopped, slowed Eng. to 95 RPM, notified the Bridge, notified Ch. Eng. and Called Electrician, repaired overload switch put feed Pump back on the line, raised speed back to 18 Nozz. Changed bottom burner on 1+2 boilers. Checked all operating mach. inspected S.E. Room.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH

Steaming on 18 nozzles; Pumped up Settlers from #4 & #1 FD. Pump Kicked out @ 2050 called Elect. Reduced Speed 5 Turns. Pump Back on line 2100; #1 FD. Pump Kicked out @ 2123, Reduced Speed, notified Bridge. Pump Back on line 2135, Speed up 18 Nozzles; Slacked off 1/2 Turn on Packing Gland #1 Piston on #1 FD. Pump; Bilge Holds #2, 3+4 P + 4S Pumped; Retarded clocks 20 min @ 2300; Jr. Checked Steering Gear added oil to Replenishing Tank and Took water soundings; Leak on Suct. line of Cushion Chamber #1 FD. Pump 2315; Made Rounds and Checked all Running Mach.; Changed + cleaned L.O. Strainers #1 + #2 Gen.

WATCH ENGR'S SIGNATURE- F. H. Edwards

2400-0400 WATCH

Underway on 18 Nozz Mach As Before. Changed & Cleaned Center F.O. burners & Stbd disch strainer. Retarded Clocks 20 mins @0100 Shifted & Cleaned Main L.O. disch strainers. Daily test of stby L.O. pump for 1 hr. Checked E.R. Gear. Pumped Bilges Made Routine Inspections of Mach. & Eng's Space

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming as before on 18 Nozzles. at 0427 retarded Clocks (20 min) Changed bottom burner in #1+2 boilers. Shifted and Cleaned main L.O. strainer. Checked outside Engineering spaces. replaced logging on feed Pump manifold. at 0525 slowed M.E. to 95 RPM. feed Pump #1 Casualty broken nipple in water line to cushing Chamber. repaired same. at 0602 brought Eng. speed up to 18 nozzles. shifted to outboard settler @ 0615.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH

Steaming on 18 nozzles; Pumped up Settlers from #5 P+S DB; Changed and Cleaned top F.O. Burners, F.O. Suct. Strainer, #1 + #2 Cond. L.O. Strainers; Main FD. Pump Kicked out at 0835, 0850, 0915, 1010; Speed Reduced Each Time By 10 Turns, Bridge Notified; Blew Tubes @ 0810; Pumped Bilge Holds #2, 3, 4 P + 4S; Made Rounds and Checked all Running Mach. Steaming @ 92 Turns @ 1010;

WATCH ENGR'S SIGNATURE- F. H. Edwards

CHIEF ENGINEER

Boiler Test.

	STB'D. ~~FS.~~	PORT. WS - FS
WS 321	HRS. 321	HRS. 321 - 321
	AKL. 9.53	AKL. 8.76
	T-AKL. 15.18	T-AKL. 14.60
	CL. 4.14	CL. 2.07
	Ph. 10.0	R-Ph. 10.0
	Posh. 50	Posh. 35

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-116	6-A	OAKLAND CALIF	OKINAWA	P2-S2-R2	12-6-7-66

		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~~ 180	
	DETENTION TIME						
	REVOLUTION COUNTER (END OF WATCH)	1626 8030	1629 1660	1631 5620	1633 9430	1635 6730	
	TOTAL REVOLUTIONS (FOR WATCH)	22460	23630	23960	23810	15300	
	AVERAGE RPM	93.6	98.5	99.8	99.2	85.0	
	F.O. METER (END OF WATCH)	1019 7950	1020 0590	1020 3310	1020 5960	1020 8210	1020 9450
	F.O. CONSUMED	2660	2640	2720	2650	2250	1240
MACHINERY PARTICULARS – PRESSURES	THROTTLE	430	430	435	430	430	
	H.P. AHEAD	430	430	430	430	260	
	L.P. AHEAD	24	25	26	25	6	
	VACUUM	28.2"	28.2"	28.4"	28.8	28.5"	
	L.O. TO TURBINES	12	12	12	12	12	
	AUX. STEAM	145	145	145	145	140	
	BACK PRESSURE	9	9	8	9	9	
	GLAND STEAM	2.5	2.5	3	2.5	2.0	
	H.P. BLEEDER	72	72	70	72	40	
	I.P. BLEEDER		6			–	
	L.P. BLEEDER	13	14"	12"	12	14"	
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	670	680	700	680		
	L.P. EXHAUST	102	106	106	104	98	
	CONDENSATE	97	102	102	98	96	
	CIRC. WATER IN	77	77	75	74	76	
	CIRC. WATER OUT	89	90	90	87	82	
	L.O. TO COOLERS	124	128	127	125	116	
	L.O. FROM COOLERS	107	108	107	108	102	
	TEMPERATURE THRUST BEARING	116	120	118	117	110	
	FORWARD H.P. ROTOR BEARING	124	130	127	125	120	
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	135	140	137	135	125	
	FORWARD L. P. ROTOR BEARING	130	135	132	132	120	
	AFT. L.P. ROTOR BEARING	126	130	130	130	135	
	HOTTEST GEAR BEARING FORWARD	144	155	155	154	145	
	HOTTEST GEAR BEARING AFT	141	145	145	145	150	
	AUX. COND. CONDENSATE	110	—	108	110	—	
	1ST STAGE FEED WATER HEATER	158	162	162	158	150	
	D. C. FEED WATER HEATER	240	240	235	237	240	
	~~3RD STAGE FEED WATER HEATER~~ H.P. / L.P.	1050 / 100					
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS P / S	205 / 200	200 / 200	215 / 210	205 / 200		
	F. O. BACK PRESSURE	10	10	10	10	10	
	AIR TO FURNACE P / S	4.8 / 5.2	5.0 / 6.0	5.4 / 6.8		5.0 / 7.0	
	~~UPTAKE~~ SALINITY	.41	.41	.41	.41		
BOILER PARTICULARS – PRESSURES	MAIN STEAM	440	440	435	435	440	
	SUPER HEAT	670	680	700	680	655	
	F.O. TO BURNERS P / S	190 / 190	190 / 190	190	190 / 190	170 / 170	
	F.O. TEMP. IN SETTLING TANKS P / S	112 / 110	115 / 110	109 / 107	109 / 110	105 / 115	
	PORT BOILER UPTAKE	340	325	327	330	340	
	STBD. BOILER UPTAKE	320	320	324	325	335	
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	85	85	84	82	82	
	FIRE ROOM TEMPERATURE	85	85	84	82	82	
	NOZZLES IN USE	6	18	18	18	12	
	NO. OF BURNERS IN USE	53/70	6	6	6	4	
	BURNER TIP SIZE		53/70	53/70	53/70	53/70	
	CO_2 % PORT BOILER		—			21½%	
	CO_2 % STBD. BOILER		—			21½%	
	OIL LEVEL MAIN SUMP	1'4"	1'4"		1'4"	1'4"	

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	1	1200	430	670	9	120	110		62	700	700	230
	2	1200	430	670	7	136	124		58	750	750	230
1600 TO 2000	1	1200	440	680	9	118	110		62	750	750	230
	2	1200	440	680	7	134	122		58	750	750	230
2000 TO 2400	1	1200	435	700	9	120	110		62	750	750	230
	2	1200	435	700	7	134	124		58	750	750	230
2400 TO 0400	1	1200	435	680	9	120	110		62	750	700	230
	2	1200	435	680	7	134	120		58	650	650	230
0400 TO 0800	1	1200			9	120	110		62			230
	2	1200			7		120		58			230
0800 TO 1200					SECURED							

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10209450	BOILER WATER	ON HAND AT START OF DAY	124
	METER PREVIOUS NOON	10195240		EVAPORATED OR RECEIVED	68
	CONSUMED BY METER	14160		ON HAND	152
	ON HAND AT START OF DAY	9457		CONSUMED	40
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	3220
	EXPENDED DURING DAY	630		RECEIVED	-0-
	REMAINING ON BOARD	8827		ON HAND	3210
DOMESTIC WATER	ON HAND AT START OF DAY	679		CONSUMED	10
	EVAPORATED OR RECEIVED	92	DIESEL OIL		1458
	ON HAND	600	ON HAND		1455
	CONSUMED	171	CONSUMED		3

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	1¼

SUMMARY

RUNNING TIME	1140	PERCENT OF SLIP PAS	18.6
DETENTION TIME	-0-	BBL FUEL/MI	6.41 7.73
TOTAL REVOLUTIONS AVG.	108425	WIND DIRECTION	
AVERAGE R.P.M.	96.0	STATE OF SEA	
TOTAL MILES BY ENGINE	408	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	332		

REMARKS

1200-1600 WATCH

UNderWAY ON 18 NOZZ MACH INOPERATION #1+2 Boilers 1+2 FD. BLOWERS. 1+2 F.O.S. PMPS. #2 MN. F.D. + Stby PMPS. MAIN AIR Ejector. MN. CIRC + 2 Cond. PMPS L.O. Purifier L.O.S. PUMP. FIRE + SAN PUMP. Port Steering Gear. A.C. UNit. 1+2 AUX GENERATORS. AUX AIR Ejector. AUX CIRC + Cond PMPS ~~O.S.G.R.~~ to MAIN. Tested overspeed trip + Low L.O. ALARM on MN TURBINE + Thrott. FIRE drill @1230 SEC @1245. Boat drill @1246 SEC. @1252 ~~#1~~ Stby @1330 ~~#1~~ @1352 SECURED #1 MN FD PMP @1340 FOR ELECT. REPAIRS. Checked Steering E.R. GEAR. Repairs Completed ON #1 MN FD PUMP @1450 PUT ON THE LINE. FULL 18 NOZZ @ 1500 Bridge Notified.

WATCH ENGR'S SIGNATURE- George Bunney

1600-2000 WATCH

Steaming as before on 18 nozzles. 1555 to 1615 blew tubes on #1 + 2 boilers. At 1625 shifted F.O. Sust. to inboard settler, inspected S.E. Room. Checked all operating mach. Changed bottom burner in #1 + 2 boilers.

WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH

STEAMING ON 18 NOZZLES; Pumped up Settlers from #5 P+S D.B., using Standby Pump Along with #1 MN. FD. Pump; Changed and cleaned F.O. Sust. on #1 + 2 Gen L.O. Strainers; Pumped out Bilge Holding #2, 3 P.U. P and #1, 2, 3 S.; Ck. Checked Steering Gear and ~~MAN~~ Took water Soundings; Made Rounds and Checked all Running Mach.; Added 2 Gals of L.O. To #2 FD. Pump + 1 Gal of L.O. To #1 FD. Pump.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

UNderWAY ON 18 NOZZ. MACH AS Before. Changed + Cleaned Center F.O. BURNERS + Stbd disch Strainer. Daily test of Stby L.O. PUMP For 1-hr. Shifted + Cleaned MAIN L.O. disch strainer. Split the plant @0120 Checked Steering E.R. Gear. Pumped Bilges. Added 2 Gal L.O. to #1 MN Feed pump + 1 Gal to #2. Made Routine Inspections of Mach and Engr Spaces.

WATCH ENGR'S SIGNATURE- George Bunney

0400-0800 WATCH

Steaming as before on 18 Nozz. at 0420 slowed speed to 16 nozz. at 0440 slowed to 14 nozz. at 0500 slowed to 12 nozz. 80 R.P.M. Checked all operating mach. Checked + inspected S.E. Room. At 0600 Called men for Sea detail stations to man stations at 0630. At 0615 started on stby the steam L.O. Pump. At 0700 arrival. P.F.O. 6770300 - S-FOM - 3437910. ETR 1635730.

WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH

MANEUVERING; F.W.E. 0907; Boilers, Gens., Mn. Unit Secured, Boilers Vented To Atmosphere; Watch working on Repair List.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 345	HOURS 345
AKL 8.76	AKL 7.01
T-AKL 14.60	T-AKL 14.60
SAL. 4.56	SAL. 2.49
PHOS. 40	PHOS. 50
R.ph 10.	R.ph 10.

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	~~FROM~~ AT	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-111	'	OKINAWA		P2-S2R2	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			240		240	120
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						1637 4350
TOTAL REVOLUTIONS (FOR WATCH)						10570
AVERAGE RPM						87.6
F.O. METER (END OF WATCH)			1021 1810	1021 2780	1021 4320	1021 6450
F.O. CONSUMED				970	1540	1190
MACHINERY PARTICULARS — PRESSURES — THROTTLE				—		430
H.P. AHEAD				—		430
L.P. AHEAD				—		21
VACUUM				24"	24"	28.4"
L.O. TO TURBINES				12	12	12
AUX. STEAM				145	145	145
BACK PRESSURE				9	9	9
GLAND STEAM				2.5	2.5	3
H.P. BLEEDER				-	-	60
I.P. BLEEDER				—	—	--
L.P. BLEEDER				—	-	13
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE				—		640
L.P. EXHAUST				130	130	106
CONDENSATE						100
CIRC. WATER IN						76
CIRC. WATER OUT						88
L.O. TO COOLERS				100	100	118
L.O. FROM COOLERS				100	100	111
TEMPERATURE THRUST BEARING				—	-	120
FORWARD H.P. ROTOR BEARING				—	-	135

	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				—		135
AFT. L.P. ROTOR BEARING				—		235
HOTTEST GEAR BEARING FORWARD				—		150
HOTTEST GEAR BEARING AFT				—		145
AUX. COND. CONDENSATE				—		100
1ST STAGE FEED WATER HEATER				—		160
D. C. FEED WATER HEATER				235	235	235
~~3RD STAGE FEED WATER HEATER~~ HP LP						
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P S						
F. O. BACK PRESSURE						
AIR TO FURNACE P S						
UPTAKE Smoking						
MAIN STEAM P STBD				430	430	430
SUPER HEAT						690
BOILER PARTICULARS — PRESSURES — F.O. TO BURNERS P S				190 190	190	
F.O. TEMP. IN SETTLING TANKS						109/100
PORT BOILER UPTAKE						350
STBD. BOILER UPTAKE						342
MISCELLANEOUS — ENGINE ROOM TEMPERATURE				80	80	80
FIRE ROOM TEMPERATURE				80	80	80
NOZZLES IN USE				—	—	18
NO. OF BURNERS IN USE				2	2	6
BURNER TIP SIZE				60 60	60/60	3/70
CO_2 % PORT BOILER					21½%	
CO_2 % STBD. BOILER					21½%	
OIL LEVEL MAIN SUMP				1'4"	1'2"	1'4

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	1	1200										
	2	—										
1600 TO 2000												
2000 TO 2400												
2400 TO 0400	1	1200	430	620	9	120	110		62			
	2	1200	430	620	7	125	113		58			
0400 TO 0800	1	1200	430	620	9	120	110		62			235
	2	1200	430	620	7	125	113		58			235
0800 TO 1200	1	1200	430	690	9	120	110		62			230
	2	1200	430	690	7	130	118		58			230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1021/6450
	METER PREVIOUS NOON	1020/9450
	CONSUMED BY METER	7000
	ON HAND AT START OF DAY	8827
	RECEIVED DURING DAY	9,657
	EXPENDED DURING DAY	292
	REMAINING ON BOARD	18,192
DOMESTIC WATER	ON HAND AT START OF DAY	600
	EVAPORATED OR RECEIVED	700
	ON HAND	1150
	CONSUMED	150

BOILER WATER	ON HAND AT START OF DAY	152
	EVAPORATED OR RECEIVED	74
	ON HAND	186
	CONSUMED	40
LUBE OIL	ON HAND AT START OF DAY	3210
	RECEIVED	-0-
	ON HAND	3200
	CONSUMED	10
DIESEL OIL		1495
ON HAND		1490
CONSUMED		5

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
			1		

SUMMARY

RUNNING TIME	120	PERCENT OF SLIP POS.	27.3
DETENTION TIME	-0-	BBL FUEL/MI	1.31 1.80
TOTAL REVOLUTIONS AVG.	9,375	WIND DIRECTION	080°
AVERAGE R.P.M.	93.7	STATE OF SEA	Swells 4'
TOTAL MILES BY ENGINE	42	STATE OF WEATHER	64°
TOTAL MILES BY OBSERVATION	30.5		

REMARKS

1200-1600 WATCH Port Watch plant secured. Mach inoperation Fire & San Pump. L.O. purifier L.O.S pump main unit on Jacking Gear. Made Repairs as per Work List.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH Plant Secured, repaired Chemical Valves to boilers, repaired Cracking Valve on #2 boiler. repaired Gage line on Cracking Valve. All Valves in and boilers ready to raise Steam

Min working. Jr Eng. Hansen, oiler, Klint, Fw Lang. Jr Eng. Archer.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH Plant Secured Jacking gear engaged. L.O. pump running Started Cond. pump, Fuel pump recir fuel oil thru Htrs to 150° Lite off #1 & #2 Blrs at 2140 brought up slowly to 200pds then sea.

KLINT oiler, HAUSER JR. ENG., SIBER FIREMAN

WATCH ENGR'S SIGNATURE- R. T. Edwards

2400-0400 WATCH Port Watch. Lit off #1+2 Boilers @ 0005 Raised vacum on 1+2 Aux Generators and main unit. Cut 1+2 Boilers in on line @ 0100 Starter Rolling 1+2 Generators @ 0110 Secured 70# & 150# cross over valves. Secured cross over valves on drains. Started L.O. purifier @ 0200. Bilges at safe level

WATCH ENGR'S SIGNATURE- George Burney

Oiler-McGinnis FWT-Hinds

0400-0800 WATCH Plant lit off. Vacuum up on Main and #1+2 aux units. Steaming on split system. #1+2 turbo Gen. up to speed with no Elect. load. 1st engineer turning main gear with L.O. Pump operating all systems. Cut G.O. at 0625 Put #1+2 turbo Gen. on the line. Added 2 gal. oil Ea. to #1+2 feed Pumps. at 0630 shifted to cut heard settler 0700 tested Elect. system. 0710 opened main Steam stop and bucked stops to #1+2 boilers 0715 started spinning main Eng.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH Warming up Mn. Unit; Standby 0815, Dept. 1000; S-FOM 3441100; P-FOM 6724160; CTR: 1636485.0. Changed over to low injection; On 15 nozzles 1015; Stack Temp Port Boiler Running High Ch. Eng. notified. Pumped Bilges. Made Routine inspection of Machinery

WATCH ENGR'S SIGNATURE- R. T. Edwards

CHIEF ENGINEER Received at Buckner Bay Okinawa 9,657 Bbls N.S.F.O.

BOILER WATER READINGS

STB'D	FS	PORT	WS FS
HOURS	369	HOURS	369-369
AKL	8.76	AKL	7.01
T-AKL	14.60	T-AKL	14.60
SAL.	4.19	SAL.	2.07
PHOS.	40	PHOS.	52
R.ph	10.0	R.ph	10.

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP 110	6-A	OKINAWA	VietNAM	P2-S2-R2	12-8-9-61

	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)	1639 7790	1642 1290	1644 6660	1647 2210	1649 8090	1652 0990
TOTAL REVOLUTIONS (FOR WATCH)	23400	23500	25370	25550	25880	22900
AVERAGE RPM	97.5	97.9	97.6	98.2	99.5	95.4
F.O. METER (END OF WATCH)	1021 9090	1022 1760	1022 4720	1022 7710	1023 0630	1023 3360
F.O. CONSUMED	2640	2670	2960	2990	2920	2730
MACHINERY PARTICULARS – PRESSURES – THROTTLE	430	425	425	425	425	430
H.P. AHEAD	430	425	425	425	425	425
L.P. AHEAD	24	26	26	25	26	25
VACUUM	28.8"	28.5	28.2	28.4	28.2	28"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	145	150	150	150	150	150
BACK PRESSURE	9	9	8	9	9	9
GLAND STEAM	3.0	3.5	3.0	3.0	3.0	3.0
H.P. BLEEDER	72	76	74	74	64	62
I.P. BLEEDER	—	6			6	
L.P. BLEEDER	12	10"	11"	11	11	11.5"
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	680	685	690	670	685	695
L.P. EXHAUST	105	106	106	106	106	107
CONDENSATE	102	104	104	105	104	104
CIRC. WATER IN	77	77	76	77	78	77
CIRC. WATER OUT	89	90	90	90	90	90
L.O. TO COOLERS	125	128	128	125	126	126
L.O. FROM COOLERS	108	108	107	108	108	108
TEMPERATURE THRUST BEARING	116	120	122	118	118	115
FORWARD H.P. ROTOR BEARING	125	130	130	126	130	130

	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	135	135	135	135	135	135
FORWARD L. P. ROTOR BEARING	135	135	135	135	135	135
AFT. L.P. ROTOR BEARING	130	130	130	130	130	130
HOTTEST GEAR BEARING FORWARD	155	160	160	160	160	160
HOTTEST GEAR BEARING AFT	145	145	145	145	145	145
AUX. COND. CONDENSATE	115	-	115	115		115
1ST STAGE FEED WATER HEATER	162	164	162	162	162	162
D. C. FEED WATER HEATER	240	240	240	238	238	240
~~2ND STAGE FEED WATER HEATER~~ HP / LP	050 / 160	—	—	—		
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS P/S	200/200	220/200	184/192	180/185	195/200	190/195
F. O. BACK PRESSURE	10	10	10	10	12	10
AIR TO FURNACE P/S	5.2/6.0	4.4/5.2	3.8/5.4	3.8/5.6	4.0/6.2	4.2/6.4
SALINITY UPTAKE	.41	.41	.41	.41	.41	.41
PRESS. MAIN STEAM	435	425	425	430	425	430
BOILER PARTICULARS – PRESSURES – SUPER HEAT	670	685	690	670	685	695
F.O. TO BURNERS P/S	180	175/170	165/165	165/170	165/165	165
F.O. TEMP. IN SETTLING TANKS P/S	110/162	105/100	97/100	98/100	98/98	90/95
Temp. PORT BOILER UPTAKE	380	350	345	350	355	350
STBD. BOILER UPTAKE	305	310	318	325	330	322
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	81	84	85	86	86	90
FIRE ROOM TEMPERATURE	81	84	85	86	86	90
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	~~5~~ ~~6~~ 6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/7	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					20 1/4 %	
CO_2 % STBD. BOILER					20 1/4 %	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'5"	1'4"

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	1	1200	430	680	9	120	110		62	800	750	230
	2	1200	430	680	7	134	120		58	750	750	230
1600 TO 2000	1	1200	425	685	9	120	110		62	700	700	230
	2	1200	425	685	7	134	120		58	650	650	230
2000 TO 2400	1	1200	425	690	9	120	110		62	650	650	230
	2	1200	425	690	7	134	120		58	700	700	230
2400 TO 0400	1	1200	425	670	9	120	110		62	700	700	230
	2	1200	425	670	7	134	120		58	700	700	230
0400 TO 0800	1	1200	425	685	9	120	110		62	650	700	230
	2	1200	425	685	7	134	120		58	750	700	230
0800 TO 1200	1	1200	430	695	9	120	110 ~~110~~		62	750	850	230
	2	1200	430	695	7	134	122		58	700	650	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10233360	BOILER WATER – ON HAND AT START OF DAY	186
	METER PREVIOUS NOON	10216450	EVAPORATED OR RECEIVED	51
	CONSUMED BY METER	16910	ON HAND	194
	ON HAND AT START OF DAY	18,192	CONSUMED	43
	RECEIVED DURING DAY	-0-	LUBE OIL – ON HAND AT START OF DAY	3200
	EXPENDED DURING DAY	770	RECEIVED	-0-
	REMAINING ON BOARD	17,422	ON HAND	3190
DOMESTIC WATER	ON HAND AT START OF DAY	1150	CONSUMED	10
	EVAPORATED OR RECEIVED	109	DIESEL OIL	1490
	ON HAND	1069	ON HAND	1487
	CONSUMED	190	CONSUMED	3

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 1/3	4 1/3	4 1/3	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP Pos.	11.03
DETENTION TIME	-0-	BBL FUEL/MI	1.46 1.64
TOTAL REVOLUTIONS PTS	141016	WIND DIRECTION	050°
AVERAGE R.P.M.	94.0	STATE OF SEA	4' swell
TOTAL MILES BY ENGINE	526	STATE OF WEATHER	95°
TOTAL MILES BY OBSERVATION	468		

REMARKS

1200-1600 WATCH
UNderWAY ON 18 NOZZ. 8tby (WeathER) @1202 MACH INOPERATION 1 & 2 BoilERS. 1 & 2 FD. BLOWERS. 1 & 2 F.O.S. PUMPS. 1 & 2 MN FEED PUMPS. MN AIR EJECTOR. MN CIRC. & 2 COND. PUMPS. Lo-purifier. L.O.S. PMP. FIRE & SAN PMP. PORT STEERING GEAR. 1 & 2 AUX GENERATORS. AUX AIR EJECTOR AUX CIRC & COND. PMPS. Tested overspeed trip & LOW Lo. ALARM ON MN turbine & thrust. Held ENG'S CASUALTY drill B-5 high WATER IN BOILER. WATCH INST. & BRIDGE Notified 1300-1330 Started A.C. UNIT @1340 Shifted F.O. suct to port outbd sett @ 1430. Checked STEERING ER. GEAR. MADE ROUTINE ROUNDS ON MACH & ENG'S SPACES.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Steaming as before on 18 Nozz. 1555 to 1615 Blew tubes on #1 & 2 boilers. at 1730 44. at ~~1600~~ 1800 ~~single up~~ x over cut in units #1 & 2 Condensors to main. Secured aux. air ejector, aux. Condt. Pump and aux Circulating Pump. ~~1600~~ 1730 to 1800 held Casualty drill B-5 High water in boiler. 4 men Present for instructions. Notified Bridge. Checked all operating mach. inspected S.E. Room. Changed & Cleaned bottom burner in #1 & 2 boilers. Shifted F.O. Disc. strainer, Port side.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH
STEAMING ON 18 NOZZLES; PUMP UP SETTLERS FROM #4 P & S DP. NAVY SPECIAL; CHANGED OVER TO INBOARD SETTLER 2025; RAN FRESH WATER PUMP 30 MIN; CHANGED AND CLEANED F.O. SUCT. AND #1 & #2 GEN. L.O. STRAINERS; STARTED UP AIR COMPRESSOR 2130, MAGNETIC UNLOADER STICKING ON LOW LIMIT. CASUALTY DRILL B-5 HIGH WATER IN BOILER 4 MEN PRESENT, 2200 - 2220; MADE ROUNDS AND CHECK ALL RUNNING MACH.; RETARDED CLOCKS 20 MIN. @ 2300;

WATCH ENGR'S SIGNATURE- J. H. Edwards

2400-0400 WATCH
UNDERWAY ON 18 NOZZ MACH AS Before. Changed & Cleaned Center F.O. burners and stbd disch STRAINER. Retarded Clocks 20 mins @ 0100 Shifted & Cleaned MAIN L.O. disch. STRAINER. DAILY Test of Stby L.O. pump FOR 1-hr. Checked STEERING ER. GEAR. Pumped Bilges. Added 1-GAL L.O. to MN. Feed PUMP. Made Routine INSPECTIONS of Mach. & ENG'S SPACES. GRAVITED 20 GALS L.O. FROM SETT TANK into day L.O. TANK

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Steaming as before on 18 Nozz. retarded Clocks (20 min) @ 0425. Shifted and Cleaned main L.O. strainer. Changed bottom burner in #1 & 2 boilers shifted F.O. suct. strainer, Port. at 0500 Shifted to out board settler. Added B. Compound to #2 boiler. Gave #1 boiler 30 min bottom blow through Cont. Evaps. Checked all Mach.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH
STEAMING ON 18 NOZZLES; PUMPED UP SETTLERS FROM #4 P & S DP. CHANGED AND CLEANED TOP F.O. BURNERS; CHANGED AND CLEANED F.O. SUCT; #1 & #2 GEN. L.O. STRAINERS. PUMPED OUT #3 & 4 P AND 4 S HOLDS. BLOW TUBES @ 0910, MADE ROUNDS AND CHECKED ALL RUNNING MACH.

WATCH ENGR'S SIGNATURE- J. H. Edwards

CHIEF ENGINEER

12-16 Cont JAMES K. LESSLIE oiler. Checking Uptake TEMPS behind 1 & 2 Boilers At 1230 A Section of Grating Adrift Wounded Left Leg. Went to Hospital @ 1247 Return to Work @ 1307

BOILER WATER READINGS

STBD	FS	PORT	WS	FS
HOURS	377	HOURS	377	377
AKL	3.76	AKL	8.18	
T-AKL	14.02	T-AKL	11.68	
SAL.	4.80	SAL.	373	
PHOS.	35	PHOS.	30	
R.ph	10.	R.ph	10.	

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAPILO	6-A	OKINAWA	VIET NAM	P2-S2-R2	12-9-10-66

	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)	1654 4230	1656 7690	1659 1090	1661 4620	1663 8290	1666 1460
TOTAL REVOLUTIONS (FOR WATCH)	23240	23460	23400	23530	23670	23170
AVERAGE RPM	96.8	97.7	97.5	98.0	98.6	96.5
F.O. METER (END OF WATCH)	1023 6160	1023 8890	1024 1680	1024 4470	1024 7230	1025 0010
F.O. CONSUMED	2800	2730	2790	2790	2760	2780
MACHINERY PARTICULARS – PRESSURES: THROTTLE	425	430	430	430	430	430
H.P. AHEAD	425	430	430	430	430	425
L.P. AHEAD	25	26	26	26	26	26
VACUUM	28"	28"	28"	28"	28	28"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	9	9	9	9	5
GLAND STEAM	3	3.5	3	3	2.5	3
H.P. BLEEDER	74	78	76	75	60	64
I.P. BLEEDER	–	7			6	
L.P. BLEEDER	12	11"	11"	11"	9"	11"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	680	690	690	680	685	695
L.P. EXHAUST	110	110	105	107	110	111
CONDENSATE	106	104	104	103	106	107
CIRC. WATER IN	81	77	77	77	80	81
CIRC. WATER OUT	94	92	90	91	94	94
L.O. TO COOLERS	126	124	124	125	126	126
L.O. FROM COOLERS	108	108	106	108	110	109
TEMPERATURE THRUST BEARING	117	118	118	117	118	118
FORWARD H.P. ROTOR BEARING	128	130	130	125	130	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	135	135	135	135	135	135
FORWARD L. P. ROTOR BEARING	134	134	135	132	135	135
AFT. L.P. ROTOR BEARING	132	130	130	131	132	132
HOTTEST GEAR BEARING FORWARD	160	160	160	160	160	160
HOTTEST GEAR BEARING AFT	145	145	145	145	145	145
AUX. COND. CONDENSATE	115		115	115		115
1ST STAGE FEED WATER HEATER	162	162	162	160	162	162
O. C. FEED WATER HEATER	237	238	240	238	240	238
~~3RD STAGE FEED WATER HEATER~~ ROTOR	1050 165					
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS P/S	200/200	190/190	180/180	200/200	210/190	200/195
F. O. BACK PRESSURE P/S	10	15/10	12/10	10/10	12/10	12/10
AIR TO FURNACE P/S	4.2/5.8	5.0/6.2	4.8/6.4	5.0/6.0	5.0/6.2	4.2/5.6
~~SALINITY UPTAKE~~	.41	.41	.41	.41	.41	.41
BOILER PARTICULARS – TEMPERATURES: MAIN STEAM	435	430	430	430	430	430
SUPER HEAT	680	690	690	680	685	695
F.O. TO BURNERS P/S	165	165/170	163/165	165/165	165/165	163/165
F.O. TEMP. IN SETTLING TANKS P/S	102/94	98/98	95/99	99/98	85/98	100/94
PORT BOILER UPTAKE	350	350	350	355	330	325
STBD. BOILER UPTAKE	320	320	325	325	335	325
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	92	92	90	90	90	94
FIRE ROOM TEMPERATURE	92	92	90	90	90	94
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'4"	1'5"	1'4"	1'4"	1'5"	1'4"

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	1	1200	425	680	9	120	110		62	650	650	230
	2	1200	425	680	7	138	126		58	750	750	230
1600 TO 2000	1	1200	430	690	9	120	110		62	600	650	230
				~~690~~								
	2	1200	430	690	7	134	124		58	700	700	230
2000 TO 2400	1	1200	430	690	9	120	110		62	700	700	230
	2	1200	430	690	7	134	124		58	650	650	230
2400 TO 0400	1	1200	430	680	9	122	110		62	700	700	230
	2	1200	430	680	7	135	124		58	650	650	230
0400 TO 0800	1	1200	430	685	9	120	110		62	500	500	230
	2	1200	430	685	7	136	124		58	1000	1000	230
0800 TO 1200	1	1200	430	695	9	120	110		62	750	750	230
	2	1200	430	695	7	135	124		58	700	700	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10250010	BOILER WATER: ON HAND AT START OF DAY	194
	METER PREVIOUS NOON	10233360	EVAPORATED OR RECEIVED	43
	CONSUMED BY METER	16650	ON HAND	197
	ON HAND AT START OF DAY	17,422	CONSUMED	40
	RECEIVED DURING DAY	-0-	LUBE OIL: ON HAND AT START OF DAY	3190
	EXPENDED DURING DAY	716	RECEIVED	-0-
	REMAINING ON BOARD	16,706	ON HAND	3180
DOMESTIC WATER	ON HAND AT START OF DAY	1069	CONSUMED	10
	EVAPORATED OR RECEIVED	133	DIESEL OIL	1487
	ON HAND	960	ON HAND	1485
	CONSUMED	242	CONSUMED	2

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	1440	PERCENT OF SLIP P/S	8.17
DETENTION TIME	-0-	BBL FUEL/MI	1.39 1.67
TOTAL REVOLUTIONS AVG.	137,915	WIND DIRECTION	050°
AVERAGE R.P.M.	95.8	STATE OF SEA	AVG. SWELL
TOTAL MILES BY ENGINE	514	STATE OF WEATHER	77°
TOTAL MILES BY OBSERVATION	472		

REMARKS

1200-1600 WATCH UNderway on 18 Nozz Mach Inoperation #1+2 Boilers 1+2 F.D. Blowers. 1+2 F.O.S. pmps. 1+2 MN. F.D. pmps. MN Air Compressor. L.O. purifier. L.O.S. pmp. Fire + San pump Port Steering Gear. A.C. Unit. Main Air Ejector. MN Circ + 2 Cond. pmps. 1+2 Aux Generator. Aux Air Ejector. Aux Circ + Cond pmps ~~over~~ X over to Main. Tested overspeed trip Low L.O. Alarm on MN Turbine + Thrust. Fire drill @1330 Sec @1341 Boat drill @1342 Sec @1353 Stby @1330 ~~44~~ @1353 Checked Steering E.R. Gear. Shifted F.O. Suct to Port Inbd Sett @1530 Added 2 Gal L.O. to #1 MN Feed Pump Pumped Bilges. Made Routine Inspections of Mach. + Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH Steaming as before on 18 Noz. from 1555 to 1615 blew tubes on #1+2 boilers. Changed bottom burner in #1+2 boilers. shifted Port F.O. Disc. strainer. Checked all operating Mach. Pumped some oil out of #4 D/B C/L F.O. Tanks to stop sounding tube over flow. Checked S.E. Room. Pumped bilges + Cargo holes. added 2 gal. oil to #1 feed Pump.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH STEAMING ON 18 NOZZLES; PUMPED UP SETTLERS FROM #4 P+S DP; STARTED AND SECURED SANITARY PUMP AS CONTROL PANEL OVERHEATED AND LEAK ON OUTBOARD CYLINDER (PLUG); PUMPED OUT HOLD #3+4 P AND #4 S; CHANGED AND CLEANED #1+#2 GEN. L.O. STRAINERS; MADE ROUNDS AND CHECKED ALL RUNNING MACH; & CHECKING STEERING ENG.;

WATCH ENGR'S SIGNATURE- R. Edwards

2400-0400 WATCH UNderway on 18 Nozz Mach as Before Changed + Cleaned Center F.O. burners + disch strainer Stbd. Secured L.O. purifier @ 0000 cleaned back on the Line @ 0030. Shifted and Cleaned Main L.O. disch. strainer. Daily test of Stby L.O. pump for 1-hr. Checked Steering E.R. Gear. Added 2 Gals L.O. to #1 MN Feed Pump made Routine Inspections of Mach + Engs Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH Steaming as before on 18 Noz. Changed bottom burner in #1+2 boilers. Pumped some oil out of #4 D/B to stop sounding tube over flow. Shifted and Cleaned main L.O. strainer. Checked S.E. Room. Cont. Evap. lit off. Giving #1 boiler bottom Blow.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH STEAMING ON 18 NOZZLES; BLEW TUBES 0805; CONT. EVAP. AND STBD BOTTOM BLOW SECURED @0900; CHANGED OVER TO INBOARD SETTLER 0900; PUMPED UP OUTBOARD SETTLER FROM #4 P+S DP; CHANGED AND CLEANED TOP F.O. BURNERS; KEEGAN, OILER SICK REPLACED BY LESLIE; #2 + #3 PISTONS ON #1 MN FEED PUMP ARE SECURED, AND LEAKING, HAVE TAKEN UP ON GLANDS, STILL LEAKING EXCESSIVELY, HAD TO USE STANDBY PUMP TO BRING UP WATER LEVEL IN STBD BOILER; CHANGED AND CLEANED F.O. SUCT. STRAINER; ADDED 1 GAL L.O. TO STBD FEED PUMP. MADE ROUTINE ROUNDS OF MACH.

WATCH ENGR'S SIGNATURE- R. Edwards

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
	FS		WS - FS
HOURS	401	HOURS	401 - 401
AKL	7.59	AKL	6.42
T-AKL	13.43	T-AKL	12.85
SAL.	3.73	SAL.	4.14
PHOS.	50	PHOS.	50
R.ph	10.0	R.ph	10.0

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope Thrpln	6-A	Okinawa	Vietnam	P2-S2-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)	1628 4900	1670 8090	1673 0990	1675 4540	1677 7970	1680 1240
TOTAL REVOLUTIONS (FOR WATCH)	23440	23190	22900	23550	23436	23270
AVERAGE RPM	97.7	96.6	95.4	98.1	97.6	97.0
F.O. METER (END OF WATCH)	1025 2850	1025 5570	1025 8240	1026 1080	1026 3820	1026 6620
F.O. CONSUMED	2840	2720	2670	2840	2740	2800
MACHINERY PARTICULARS – PRESSURES – THROTTLE	430	420	430	430	425	430
H.P. AHEAD	430	420	425	430	420	425
L.P. AHEAD	26	26	26	26	26	25
VACUUM	28	28	28"	28"	28"	28"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3	3	3	3	3.5	3
H.P. BLEEDER	74	50	76	74	56	76
I.P. BLEEDER	–	6			6	
L.P. BLEEDER	11	10"	10.5"	10.5	9"	11.5"
TEMPERATURES – STEAM AT THROTTLE	680	700	700	690	700	700
L.P. EXHAUST	111	110	110	111	110	110
CONDENSATE	108	108	108	107	104	104
CIRC. WATER IN	82	81	80	83	80	80
CIRC. WATER OUT	96	94	94	95	94	94
L.O. TO COOLERS	125	126	126	126	126	126
L.O. FROM COOLERS	109	108	108	109	109	108
TEMPERATURE THRUST BEARING	118	118	118	118	118	117
FORWARD H.P. ROTOR BEARING	125	130	130	130	130	130

	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	135	135	135	135	135	135
FORWARD L. P. ROTOR BEARING	130	130	132	132	132	132
AFT. L.P. ROTOR BEARING	134	132	135	135	135	135
HOTTEST GEAR BEARING FORWARD	160	160	155	155	155	155
HOTTEST GEAR BEARING AFT	145	145	145	144	145	145
AUX. COND. CONDENSATE	115		115	120		120
1ST STAGE FEED WATER HEATER	162	158	160	162	162	162
D. C. FEED WATER HEATER	238	242	240	238	238	238
~~3RD STAGE FEED WATER HEATER~~ Rotor Cooling	1050 100					
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS P/S	205 200	215 220	225 200	195 200	180 200	195 190
F. O. BACK PRESSURE P/S	12 10	10 10	10	15 12	12 10	12 10
AIR TO FURNACE P/S	4.6 6.0	5.3 8.0	4.4 6.2	4.8 6.2	5.0 9.2	5.4 10.6
~~UPTAKE~~ SALINITY	.41	.41		.41		.41
MAIN STEAM	435	425	430	430	425	430
BOILER PARTICULARS – PRESSURES – SUPER HEAT	680	700	700	690	700	700
F.O. TO BURNERS P/S	165 165	170 165	160 165	165 165	170 160	160 165
F.O. TEMP. IN SETTLING TANKS P/S	104 98	98 98	95 95	104 90	85 90	85 85
PORT BOILER UPTAKE	320	335	340	335	345	341
STBD. BOILER UPTAKE	330	325	355	325	335	318
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	95	94	92	93	92	92
FIRE ROOM TEMPERATURE	95	94	95	93	92	92
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'4"	1'5"	1'4"	1'4"	1'5"	

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	1	1200	430	680	9	122	112		62	850	800	230
	2	1200	430	680	7	157	126		58	900	850	230
1600 TO 2000	1	1200	420	700	9	120	110		62	700	700	230
	2	1200	420	700	7	136	126		58	650	650	230
2000 TO 2400	1	1200	430	700	9	120	110		62	900	900	230
	2	1200	430	700	7	136	126		58	600	600	230
2400 TO 0400	1	1200	430	690	9	120	110		62	650	650	230
	2	1200	430	690	7	139	126		58	700	700	230
0400 TO 0800	1	1200	425	700	9	120	110		62	700	700	230
	2	1200	425	700	7	136	126		58	750	750	230
0800 TO 1200	1	1200	430	700	9	120	110		62	800	750	230
	2	1200	430	700	7	136	126		58	750	800	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1026620	BOILER WATER	ON HAND AT START OF DAY	197
	METER PREVIOUS NOON	1025010		EVAPORATED OR RECEIVED	11
	CONSUMED BY METER	1610		ON HAND	146
	ON HAND AT START OF DAY	16,706		CONSUMED	62
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	3180
	EXPENDED DURING DAY	706		RECEIVED	-0-
	REMAINING ON BOARD	16,000		ON HAND	3160
DOMESTIC WATER	ON HAND AT START OF DAY	960		CONSUMED	20
	EVAPORATED OR RECEIVED	154	DIESEL OIL		1485
	ON HAND	899	ON HAND		1483
	CONSUMED	215	CONSUMED		2

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	1440	PERCENT OF SLIP Pos.	7.42
DETENTION TIME	-0-	BBL FUEL/MI	1.38 1.49
TOTAL REVOLUTIONS	137,365	WIND DIRECTION	010°
AVERAGE R.P.M.	95.4	STATE OF SEA	6' swell
TOTAL MILES BY ENGINE	512	STATE OF WEATHER	76°
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

Underway on 18 Nozz Mach. Inoperation #1 & 2 Boilers 1 & 2 F.D. Blowers 1 & 2 F.O.S. Pmps. 1 & 2 MN. F.D. pumps Stby Floating. MN Air Compressor. MN Air Ejector. MN Circ & 2 Cond. pmps L.O. purifier. L.O.S. pmp. A.C. Unit. Fire & San pmp. 1 & 2 Aux Generators. Aux Air Ejector. Aux Circ & Cond. pmps ~~over~~ to Main. Port Steering Gear. Tested overspeed trip & Low Lo. Alarm on MN Machine & Thrott. Checked Steering E.R. Gear. Pumped Bilges. Adjusted Packing Glands on #1 MN Feed Pump Leaking heavy. Added 3 Gals Lo. to #1 MN Feed Pump.

WATCH ENGR'S SIGNATURE- George Bunney

1600-2000 WATCH

Steaming as before on 18 Nozz. from 1550 to 1610 blew tubes on #1 & 2 boilers. At 1910 stopped #1 main feed for repair by 1st assist and day 2nd assist. Changed bottom burner in #1 & 2 boilers. Shifted Port F.O. disch. strainer. Checked S.E. Room. Pumped bilges and Cargo holes.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH

STEAMING ON 18 NOZZLES; PUMPED UP INBOARD SETTLER FROM #4 P&S DP; #1 MN. FD. PUMP BACK ON LINE AFTER REPAIRS 2100; BACK UP TO FULL 18 NOZZLES AND BRIDGE NOTIFIED @ 2115; SOLENOID ON A.C. UNIT OUT, CHECKED BY 1ST A/E; MADE ROUNDS AND CHECKED ALL RUNNING MACH; S.E. CHECKED STEERING GEAR;

WATCH ENGR'S SIGNATURE- J. McEdwards

2400-0400 WATCH

Underway on 18 Nozz Mach as Before. Changed & Cleaned Center F.O. burners & Stbd disch strainer. Daily test of stby Lo. pump for 1-hr. Shifted & Cleaned Main Lo. disch strainer. Pumped Bilges. Checked Steering E.R. Gear. Shifted F.O. Suct to Port Inbd Sett @ 0230 Added 2 Gals to #1 MN Feed Pump & 1-Gal to #2 Made Rounds on all Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Bunney

0400-0800 WATCH

Steaming as before on 18 Nozz. Condensate system salted up when I came on watch. The source of trouble is the Evaporator air ejector drain. Had drains cut to bilges, system clearing slowly. Cut off Cont. Evap. started giving #1 boiler bottom blow. #1 feed pump has cracked nipple on water line to cushing chamber. Checked all mach. System running high on salt content.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH

STEAMING ON 18 NOZZLES; BLEW TUBES 0800; PUMPED UP SETTLERS FROM #4 P&S DP; TOOK 3 MIN. DRAG FROM #4 & DB; CHANGED AND CLEANED TOP F.O. BURNERS, CHANGED AND CLEANED F.O. SUCT AND #1 & #2 GEN. L.O. STRAINERS; ALL DRAINS BACK TO SYS. B/O CH. ENG. @ 0930; CENT. EVAP. SECURED @ 0945; SPLIT PLANT @ 1000; S.E. MADE STEERING ENG. ROUNDS; MADE ROUNDS AND CHECKED ALL RUNNING MACH;

Boiler Water Tests CHL #1 - 1.24 GPG #2 - 2.02 GPG WATCH ENGR'S SIGNATURE- J. McEdwards

CHIEF ENGINEER

BOILER WATER READINGS

WS. STB'D FS	PORT WS - FS
425 HOURS 425	HOURS 425 - 425
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PHOS.	PHOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-A	OKINAWA	VIETNAM	P2-S2-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					
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1682 4830	1683 1900				
TOTAL REVOLUTIONS (FOR WATCH)	23590	7070				
AVERAGE RPM	98.2	88.0				
F.O. METER (END OF WATCH)	1026 9440	1027 0340	1027 3510	1027 5860	1027 7570	1027 7300
F.O. CONSUMED	2820	900		174	1710	
MACHINERY PARTICULARS — PRESSURES — THROTTLE	430	VAR	—			
H.P. AHEAD	430	VAR	—			
L.P. AHEAD	25	VAR	—			
VACUUM	28"	28"	28.2"	28.2"	28.2"	28.2"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3	3	3.5	3.0	3.0	3.5
H.P. BLEEDER	74	VAR	—	—	—	—
I.P. BLEEDER	—	—	—	—	—	—
L.P. BLEEDER	11	—	—	—	—	—
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	690	—	—	—	—	
L.P. EXHAUST	108	108	—	135	135	135
CONDENSATE	105	107	104	85	85	85
CIRC. WATER IN	80	81	81	82	82	82
CIRC. WATER OUT	92	92	91	84	84	84
L.O. TO COOLERS	125	126		104	104	103
L.O. FROM COOLERS	108	108		103	103	102
TEMPERATURE THRUST BEARING	117	—		—	—	—
FORWARD H.P. ROTOR BEARING	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	135	—	—	—		
FORWARD L. P. ROTOR BEARING	132	—	—	—		
AFT. L.P. ROTOR BEARING	134	—	—	—		
HOTTEST GEAR BEARING FORWARD	150	—	—	—		
HOTTEST GEAR BEARING AFT	146	—	—	—		
AUX. COND. CONDENSATE	115	115	115	115	115	115
1ST STAGE FEED WATER HEATER	163	160	110		—	—
D. C. FEED WATER HEATER	240	240	238	240	240	240
~~3RD STAGE FEED WATER HEATER~~ HP / LP	1050 / 168					
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P/S	185/190	170/170	120/120	120/120	120/120	100/100
F. O. BACK PRESSURE P/S	12/10	VAR	VAR	VAR	—	—
AIR TO FURNACE P/S	52/64	VAR	VAR	VAR	—	—
SALINITY ~~UPTAKE~~	.41	.41	.41	.41	.41	.41
MAIN STEAM	430	—	430	430	430	430
BOILER PARTICULARS — PRESSURES — SUPER HEAT	690	—	—	590	—	—
F.O. TO BURNERS P/S	165/165	165	165	165	165	160
F.O. TEMP. IN SETTLING TANKS P/S	92/90	86/86	87/87	86/84	86/84	90
PORT BOILER UPTAKE	355	340	343	360	360	355
STBD. BOILER UPTAKE	320	325	283	280	280	288
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	94	94	92	91	92	93
FIRE ROOM TEMPERATURE	94	94	92	91	92	93
NOZZLES IN USE	18	—	—	—	—	—
NO. OF BURNERS IN USE	6	—	2	2	2	2
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER		—			19 1/4	
CO_2 % STBD. BOILER		—			19 1/4	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"		1'4"

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	1	1200	430	690	9	120	110		62	750	750	230
	2	1200	430	690	7	138	124		58	800	800	232
1600 TO 2000	1	1200	430	690	9	120	110		62	750	750	230
	2	1200	430	690	7	138	124		58	750	750	230
2000 TO 2400	1	1200	405	580	9	120	110		62	750	750	230
	2	1200	405	580	7	136	124		58	700	700	230
2400 TO 0400	1	1200	430	590	9	120	110		62	700	700	230
	2	1200	430	590	7	136	122		58	650	650	230
0400 TO 0800	1	1200	430	—	9	120	122		62	700	700	230
	2	1200	430	—	7	136	122		58	700	700	230
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10277300	BOILER WATER — ON HAND AT START OF DAY	146
	METER PREVIOUS NOON	10266620	EVAPORATED OR RECEIVED	120
	CONSUMED BY METER	10680	ON HAND	240
	ON HAND AT START OF DAY	16,000	CONSUMED	26
	RECEIVED DURING DAY	-0-	LUBE OIL — ON HAND AT START OF DAY	3160
	EXPENDED DURING DAY	300	RECEIVED	-0-
	REMAINING ON BOARD	15700	ON HAND	3150
DOMESTIC WATER	ON HAND AT START OF DAY	899	CONSUMED	10
	EVAPORATED OR RECEIVED	46	DIESEL OIL	1483
	ON HAND	757	ON HAND	1480
	CONSUMED	188	CONSUMED	3

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	300	PERCENT OF SLIP POS.	12.7
DETENTION TIME	—	BBL FUEL/MI	1.34 1.50
TOTAL REVOLUTIONS AVG.	30146	WIND DIRECTION	
AVERAGE R.P.M.	84.2	STATE OF SEA	
TOTAL MILES BY ENGINE	112	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	100		

REMARKS

1200-1600 WATCH

Underway on 18 Nozz. Mach Inoperation #1&2 Boilers. 1&2 Fd. Blowers 1&2 F.O. Pumps. 1&2 Mn. Fd. pumps. Main Air Compressor. Main Air Ejector. Mn. Circ & Cond pumps. L.O. purifier. L.O. pump. Fire & San pump A.C. Unit. 1&2 Aux Generators. Aux Circ & Cond pumps. Aux Air Ejector. Port Steering Gear. Tested overspeed Trip & Low L.O. Alarm on Mn Turbine & Thrott. Secured #1 Mn Fd Pump @ 1330 Chief Plumber Replaced nipple in return line to Cushion Chamber. Back on the line @ 1340. Checked steering Er. Gear. Pumped Bilges. Added 3 gals Lo. to #1 Mn Fd pump. Made Routine Rounds on Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

Steaming as before on 18 Nozz. from 1555 to 1610 blew tubes on #1&2 boilers All speed Changes as per bell book 1700 Arrival. CTR. 63831900 P. FOM. 6802070. S. FOM. 3468270. 1630 started stby L.O. Pump 1631 shifted to high sea suct. 1655 secured all Controllable hosp. 1820 FWE. 1825 Closed Bucklad stops. 1827 engaged j.g. 1830 Closed Main Stops. CTR. 16834980. P. FOM. 6802460. S. FOM. 3468650. Main and #1&2 Aux. Plants on stand by with vacuum up.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH

Port Watch; Mn. Unit on Jacking Gear with vacuum up. Made Rounds and Checks all Running Mach.

Keelan, Oiler; Sizer, Fireman;

WATCH ENGR'S SIGNATURE- F. Edwards

2400-0400 WATCH

Port watch Mn Unit on Jacking Gear with vacuum up on Main unit. Shifted & stbd F.O. disch strainer & cleaned. Daily test of stby L.O. pump with full load for 3-hrs. Bilges at safe level. Held Eng's Casualty drill B-6 Major fuel oil leak. Watch Inst. & Bridge Notified. 0200-0230 Checked steering Engine Room. Shifted F.O. suct to port outbd sett @ 0330 Made Routine Inspections of Mach & Eng's Spaces.

Oiler Lessie FWT Hinds. Refer Beans

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming in Port watch with vacuum up on main unit L.O. System in operation with jacking gear turning. 0500 to 0530 held Casualty drill B-6 Major fuel oil leak instructed the watch & reported to Bridge. Routine inspections of Mach. installed gasket in operating line valve on stbd side. Charged F.O. disch. strainer to Port boiler. Charged bottom burner in #1&2 boilers.

Oiler, CLINT. F/W LANG.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH

Port Watch, Vacuum up on Mn. L.O. Sys. in operation, Pumped up Settlers from #4 P&S DP; Secured A.C. Unit 0930; Blew Tubes @ 1020; A.C. Unit Back on line 1100; Wenner & Hankey, Jrs. installed backwash on feed line (Disc) lower level. Had Wenner assist Fireman. Hankey superchief up lower level.

WATCH ENGR'S SIGNATURE- F. Edwards

CHIEF ENGINEER

BOILER WATER READINGS

WS STB'D	FS	PORT	WS	FS
1,5 HOURS	45'0	HOURS	45'0 -	45'0
AKL	6.42	AKL	6.42	
T-AKL	12.26	T-AKL	8.76	
SAL.	4,97	SAL.	1,96	
PHOS.	30	PHOS.	30	
R.ph	10	R.ph	10	

CHIEF ENGR'S SIGNATURE- [illegible]

USNS: Gen John Pope TAP-110 | VOYAGE NO.: 6-A | FROM: NT ~~Vallejo~~ Tay | TO: NHQ Tran 9 | TYPE OF VESSEL: P2-S2-R2 | DATE: 12-12-22-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME			240	240		
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)		1684 7500	1687 0790	1689 3880	1691 1470	1691 6650
TOTAL REVOLUTIONS (FOR WATCH)		9510	23290	23090	17640	4610
AVERAGE RPM		79.2	97.0	96.2	98.0	41.9
F.O. METER (END OF WATCH)	10277 500	1028 1600	1028 2380	1028 5150	1028 7950	1028 7430
F.O. CONSUMED	200	3090 ~~230~~		2770	2800	1480
MACHINERY PARTICULARS – PRESSURES: THROTTLE	—	430	430	430	430	—
H.P. AHEAD	—	430	425	430	430	—
L.P. AHEAD	—	23	21	25	26	—
VACUUM	28.2"	28"	28.2"	28.2"	28"	24.4"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	140	150	150	140	140
BACK PRESSURE	9	9	8	9	9	9
GLAND STEAM	3	3.0	3	3	3	3
H.P. BLEEDER	—	75	76	75	75	50
I.P. BLEEDER	—	—	—	—	—	—
L.P. BLEEDER	—	14	13	11	13"	—
TEMPERATURES: STEAM AT THROTTLE	—		705	680	685	550
L.P. EXHAUST	128	106	105	105	107	
CONDENSATE	86	104	104	102	104	
CIRC. WATER IN	83	80	84	80	78	
CIRC. WATER OUT	86	90	90	92	90	
L.O. TO COOLERS	114	124	124	124	124	
L.O. FROM COOLERS	110	106	108	108	108	
TEMPERATURE THRUST BEARING	—	115	115	116	115	
FORWARD H.P. ROTOR BEARING	—	125	130 ~~130~~	125	128	

	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	—	132	125	135	135	—
FORWARD L. P. ROTOR BEARING	—	130	125	130	130	—
AFT. L.P. ROTOR BEARING	—	125	120	130	130	—
HOTTEST GEAR BEARING FORWARD	—	125	155	155	150	—
HOTTEST GEAR BEARING AFT	—	130	135	145	145	—
AUX. COND. CONDENSATE	115	80	80			105
1ST STAGE FEED WATER HEATER		168	160	160	162	96
D. C. FEED WATER HEATER	238	240	240	238	240	240
~~3RD STAGE FEED WATER HEATER~~ H.P / L.P						
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS P/S	120/120	180	170	185/185	185	105/160
F. O. BACK PRESSURE P/S	10/10	12	10	10	10	5
AIR TO FURNACE	0.8/1.2	4.0/50	4.4/6.0	4.4/6.0	4.4/6.0	.6/.2
~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
TEMPERATURES: MAIN STEAM	430	430	430	430	430	435
SUPER HEAT P/S	570/570		705	680	685	580
F.O. TO BURNERS P/S	165/165	165/165	155/155	160/160	160	160
F.O. TEMP. IN SETTLING TANKS P/S	80/85		85	85	85/90	86/85
PORT BOILER UPTAKE	365		370	330	340	350
STBD. BOILER UPTAKE	290		330	320	320	285
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	92	88	88	89	90	91
FIRE ROOM TEMPERATURE	92	88	88	89	90	91
NOZZLES IN USE	—	18	18	18	18	18
NO. OF BURNERS IN USE	2	6	6	4	6	2
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/60
CO_2 % PORT BOILER					19 1/4	
CO_2 % STBD. BOILER					19 1/4	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	570	9	120	110		62	750	750	230
	2	1200	430	570	7	132	122		58	650	650	230
1600 TO 2000	1	1200	430	690	9	120	110		62	700	700	230
	2	1200	430	690	7	130	122		58	700	700	230
2000 TO 2400	1	1200	430	705	9	120	105		62	700	650	230
	2	1200	430	705	7	134	120		58	750	750	230
2400 TO 0400	1	1200	430	680	9	120	109		62	800	750	230
	2	1200	430	680	7	130	120		58	750	750	230
0400 TO 0800	1	1200	430	680	9	120	109		62	700	700	230
	2	1200	430	680	7	130	120		58	700	700	230
0800 TO 1200	1	1200	435	530	9	118	110		62	500	500	230
	2	1200	435	530	7	134	120		60	750	750	230

FUEL - WATER AND LUBE OIL

FUEL OIL: METER AT NOON	1028 8430	
FUEL OIL: METER PREVIOUS NOON	10277300	
FUEL OIL: CONSUMED BY METER	12130	
FUEL OIL: ON HAND AT START OF DAY	15,700	
FUEL OIL: RECEIVED DURING DAY	-0-	
FUEL OIL: EXPENDED DURING DAY	494	
FUEL OIL: REMAINING ON BOARD	15,206	
DOMESTIC WATER: ON HAND AT START OF DAY	757	
DOMESTIC WATER: EVAPORATED OR RECEIVED	133	
DOMESTIC WATER: ON HAND	793	
DOMESTIC WATER: CONSUMED	97	
BOILER WATER: ON HAND AT START OF DAY	240	
BOILER WATER: EVAPORATED OR RECEIVED	-30	
BOILER WATER: ON HAND	350	
BOILER WATER: CONSUMED	20	
LUBE OIL: ON HAND AT START OF DAY	3150	
LUBE OIL: RECEIVED	-0-	
LUBE OIL: ON HAND	3140	
LUBE OIL: CONSUMED	10	
DIESEL OIL	1480	
DIESEL OIL: ON HAND	1488	
DIESEL OIL: CONSUMED	2	

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	768	PERCENT OF SLIP	
DETENTION TIME	-0-	BBL FUEL/MI	
TOTAL REVOLUTIONS	72,395	WIND DIRECTION	
AVERAGE R.P.M.	94.3	STATE OF SEA	
TOTAL MILES BY ENGINE	270	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	206		

REMARKS

1200-1600 WATCH
Port Watch. Mach Inoperation. 1+2 Boilers. 1+2 F.D. Blowers. 1+2 F.O.S. Pmps 1+2 MN. F.W. Pumps. Main Air Compressor. Main Air Ejector. MN. Circ + 2 Cond pmps. L.O. purifier. L.O.S. pump 1+2 Aux Generators Aux Circ + Cond. pmps. Aux. Air Ejectors. Fire + San pmp. A.C. unit. Main unit on Jacking Gear. With vacum up. Checked Steering E.R. Pumped Bilges. A.C. tripped @ 1642 L.O. Failure to Governor. 1st Asst Notified. Made Routine Inspections of Mach + E.R. Spaces.

Queen Reported as oiler @ 1200, By Chief Engr. WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Steaming as before. At 1559 disengaged j.g. 1605 opened bkhd stops 1606 opened main stops. 1607 tested Eng. order telegraph. 1625 started stby L.O. Pump on stby. 1625 Put Emerg. feed Pump on stby. 1645 sea detail. 1647 stby CTR-16835380 P-FOM. 6866150-S-3471980. DEPARTURE. CTR-16837990-P-FOM-6806430. S-FOM-3472280 at 1800 opened 8 noggin at 1815 speed up to 18 nogg. at 1820 shifted to low sea suction. 1925 secured L.O. stby. Pump.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH
Steaming on 18 nozzles; On Stbd. Steering Gear ~~indicating~~ lights ~~not operating~~. Shifted To inbd. Setter @ 2030; Pumped up outbd. Setter from #4 P+S DP. Keelan, oiler, sick unable To finish Watch, Relieved By Queen, oiler @ 2100; Troop Comp. overhead Leak, Chief notified; #1 + #2 Gen. L.O. Strainers Changed and Cleaned. Se. checked Steering Gear; Made Rounds and Checked all Running Mach.; Held Casualty Drill B-6 Major F.C. hoar, 4 men Present. 2300 - 2330

WATCH ENGR'S SIGNATURE- L Edwards

2400-0400 WATCH
Underway on 18 Nozz Mach as Before. Changed + Cleaned Center F.O. Burners + Stbd disch. Strainer. Chief Engr + utilityman Completed Repairs on A.C. unit. + Started Same @ 0020 on the Line @ 0200 pumped Bilges. Daily test of stby L.O. pump for 1-hr. Checked Steering E.R. Gear. Added 1-Gal L.O. to #1 MN F.W. Pump. Made Routine Inspections of Mach. + Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Steaming as before on 18 nogg. Changed bottom burner in #1 + 2 boilers. Checked all operating Mach. including S.E. Room. 0605 reduced speed to 14 nogg. Pumped some oil out of #2 Port to stop over flow + sounding tube. 0630 sea detail. 0634 slowed to 12 nogg. 0648. CTR. 16911470-P-FOM-6810870-S-FOM 3450470 0650 opened high sea suct. Put Emerg. L.O. Pump on stby. Closed bleeders to L.P. + H.P. turb.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH
Maneuvering; FWE 0850.5; CTR-16916060; P-FOM 6811490; S-FOM 3457110; 1st stage Eject. Secured Mn. Vac.; MN. + Bulkhead Stops Secured; Secured Stby L.O. + Feed Pump. Jacking Gear Engaged. 2 min. Drag on #3 P+SDB. Pumped Bilges Holds #2, 3, 4 P + #4 S; Made Rounds and Checked all Running Mach.;

WATCH ENGR'S SIGNATURE- L Edwards

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
(W.S) (F.S)	(W.S) - (F.S)
474 HOURS 474	HOURS 474 - 474
AKL 7.59	AKL 9.34
T-AKL 11.10	T-AKL 17.52
SAL. 3.31	SAL. 3.31
PHOS. 45	PHOS. 35
R.ph 10.0	R.ph 10.0

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-A	AT NHA TRANG		P2-S2-R2	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)	—					1693 1190
TOTAL REVOLUTIONS (FOR WATCH)	—					11110
AVERAGE RPM	—					92.6
F.O. METER (END OF WATCH)	1029 6000	1029 6520	1029 1040	1029 1550	1029 2310	1029 4760
F.O. CONSUMED	570	520	520	510	760	2450
MACHINERY PARTICULARS — PRESSURES — THROTTLE	—					430
H.P. AHEAD	—					430 690
L.P. AHEAD	—					22
VACUUM	28.6	25.5"	25.5"	25.5	25"	28"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	145	145	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3.5	3.5	1.5	1.0	2.0	1.5
H.P. BLEEDER	—	—	—	—		68
I.P. BLEEDER	—	—	—	—	—	—
L.P. BLEEDER	—	—	—	—	—	13
TEMPERATURES — STEAM AT THROTTLE	—	—	—	—	—	690
L.P. EXHAUST	155	145	140	135	130	105
CONDENSATE	86	87	90	88	84	104
CIRC. WATER IN	76	76	76	78	78	82
CIRC. WATER OUT	80	80	82	80	80	92
L.O. TO COOLERS	102	104	114	116	116	124
L.O. FROM COOLERS	100	102	108	110	110	105
TEMPERATURE THRUST BEARING	—		—	—	—	118
FORWARD H.P. ROTOR BEARING	—		—	—	—	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	—					133
FORWARD L. P. ROTOR BEARING	—					130
AFT. L.P. ROTOR BEARING	—					128
HOTTEST GEAR BEARING FORWARD	—					155
HOTTEST GEAR BEARING AFT	—					145
AUX. COND. CONDENSATE	80	80	105	105	95	112
1ST STAGE FEED WATER HEATER	—		—	—	—	160
D. C. FEED WATER HEATER	238	240	240	238	240	240
~~3RD STAGE FEED WATER HEATER~~ DECK GEAR					—	
BOILER PARTICULARS — PRESSURE TEMPERATURES — F.O. TO BURNERS P/S	190/185	180	170	170	170	190
F. O. BACK PRESSURE	10	10	7	8	8	10
AIR TO FURNACE P/S	1.0/1.2	1.0/1.2	0.6/1.4	0.8/1.2	1.0/1.0	5.2/6.4
~~SALINITY UPTAKE~~	.41	.41	.41	.41	.83	
MAIN STEAM	430	430	420	430	430	430
SUPER HEAT		—	—	—	—	690
F.O. TO BURNERS	160	—	160	160	160	160
F.O. TEMP. IN SETTLING TANKS P/S	85/85	90	87/89	85	90	88/92
PORT BOILER UPTAKE	370	365	374	380	375	324
STBD. BOILER UPTAKE	295	290	294	295	300	325
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	91	88	86	86	86	88
FIRE ROOM TEMPERATURE	91	88	86	86	86	88
NOZZLES IN USE	—	—	—	—	—	18
NO. OF BURNERS IN USE	2	2	2	2	2	6
BURNER TIP SIZE	53/60	53/60	53/60	53/60	53/60	53/60
CO_2 % PORT BOILER					19½%	
CO_2 % STBD. BOILER					19½%	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	575	9	120	108		62	650	600	230
	2	1200	430	575	7	130	120		58	650	600	230
1600 TO 2000	1	1200	430		9	120	108		62	500	500	230
	2	1200	450		7	130	120		58	500	500	230
2000 TO 2400	1	1200	420		9	120	110		62	500	500	230
	2	1200	420		7	132	120		58	650	650	230
2400 TO 0400	1	1200	430		9	116	105		62	500	500	230
	2	1200	430		7	132	120		58	600	600	230
0400 TO 0800	1	1200	430		9	116	105		62	500	500	230
	2	1200	430		7	132	120		58	500	500	230
0800 TO 1200	1	1200	430		9	118	110		62	500	600	230
	2	1200	430		7	132	120		58	600	650	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10294760
	METER PREVIOUS NOON	10289430
	CONSUMED BY METER	5330
	ON HAND AT START OF DAY	15,206
	RECEIVED DURING DAY	-0-
	EXPENDED DURING DAY	223
	REMAINING ON BOARD	14,983
DOMESTIC WATER	ON HAND AT START OF DAY	793
	EVAPORATED OR RECEIVED	185
	ON HAND	816
	CONSUMED	162

BOILER WATER	ON HAND AT START OF DAY	250
	EVAPORATED OR RECEIVED	-0-
	ON HAND	235
	CONSUMED	15
LUBE OIL	ON HAND AT START OF DAY	3140
	RECEIVED	-0-
	ON HAND	3130
	CONSUMED	10
DIESEL OIL		1488
ON HAND		1485
CONSUMED		3

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	120	PERCENT OF SLIP Pos	7.5
DETENTION TIME	—	BBL FUEL/MI	1.80 1.89
TOTAL REVOLUTIONS ENG	10980	WIND DIRECTION	
AVERAGE R.P.M.	91.5	STATE OF SEA	
TOTAL MILES BY ENGINE	41	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	37.5		

REMARKS

1200-1600 WATCH

AT ANCHOR. Port Watch. Mach Inoperation #1&2 Boiler 1&2 F.D. Blowers 1&2 F.O.S. pmps. 1&2 MN. F.D. pumps. MAIN AIR Compressor. MAIN AIR Ejector. MN. CIRC & 2 Cond PMPS. L.O. purifier. L.O.S. pump. A.C. UNit. Fire & San Pump. 1&2 AUX GENERATORS. AUX AIR Ejector. AUX CIRC & Cond PMPS. MAIN UNit on JACKING GEAR With VACUM UP on 2nd Stage. Shifted & CLEAND MAIN L.O. disch STRAINER. Checked Steering Engine Room. PUMPED Bilges. Added 1 GAL L.O. to #1 MN Feed PUMP. Made Routine Rounds on MACH & ENG'S SPACES.

OiLER QUEEN FWT Hinds. WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

At Anchor NHA-TRANG. Plant set up as Previous watch. Made rounds of spaces. Checked all operating mach. Changed & Cleaned burners, shifted & Cleaned F.O. Disch. strainer Port. boiler. at 1935 Power Secured to #2 + 3 Winches by duty Elect.

Oiler, Clint F/W LANG WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH

AT ANCHOR; PORT WATCH; PUMPED UP SETTLERS FOR U & OP; MADE ROUNDS AND CHECKED RUNNING MACH.; MN. UNIT ON JACKING GEAR; 2ND STAGE EJECTOR MN. UNIT ON.

OILER Rechan; F/W SIMER WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

AT ANCHOR. PORT Watch MACH AS Before Changed & Cleaned Stbd F.O. disch. STRAINER. DAILY Test of Stby L.O. PUMP FOR 2-hr. Polished Pilot VALVE. Shifted & CLEANED MAIN L.O. disch STRAINER. PUMPED Bilges. Checked STEERING ENGINE ROOM. Made Routine INSPECTIONS of MACH. & ENGS SPACES.

OiLER QUEEN FWT. Hinds. WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming as before. added two Gals. oil to #1 feed Pump. 0640 Put up & down L.O. Pump, F.O. Pump & feed Pump on S.B.X. 0645 cut 1st stage in on main air ejector. 0652 Wheel Clear from Bridge. 0655 Disengaged J.G. 0657 opened B&H. stops 0659 opened Main stops. 0707 Tested Eng. telegraph. Time Check at same time; Spinning Main Eng with throttles. All Conditions Go.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH

WARMING UP MN. UNIT; CHANGED OVER TO INBOARD SETTLER; STDBY 0801; CTR. 16916470; P-FOM 6813650; S-FOM 3478550; DEPT. 0900; CTR. ~~16920080~~ 16920080; P-FOM 6813900; S-FOM 3479130; Blew TUBES 0925; SECURED STDBY L.O. PUMP & FEED PUMP. PUMPED UP OUTBOARD SETTLER FROM #3 P&S DB; REDUCE SPEED TO 12 NOTS & LOS @ 1050; ARRIVAL 1100; CTR 16931190; P-FOM 6814390; S-FOM 3479850; Pumped Hold Bilges #2, 3 + 4 P. MADE ROUTINE ROUNDS FWT @ 1143; CTR 16932420 P-FOM 6814750; S-FOM 3480010 WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

(WS) STB'D (FS)	PORT (WS - FS)
498 HOURS 498	HOURS 498 - 498
AKL 7.01	AKL 7.01
T-AKL 12.26	T-AKL 12.26
SAL. 4.21	SAL. 4.56
PHOS. 40	PHOS. 50
R.ph 10.0	R.ph 10.0

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	~~FROM~~ AT	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP116	6-A	VANG-RO		P2-S2-R2	12-14-15-66

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	RUNNING TIME	—					190
	DETENTION TIME	.					
	REVOLUTION COUNTER (END OF WATCH)	—					1695 1640
	TOTAL REVOLUTIONS (FOR WATCH)	—					18250
	AVERAGE RPM	—					96.1
	F.O. METER (END OF WATCH)	1029 5250	1029 5720	1029 6190	1029 6660	1029 7380	1030 0010
	F.O. CONSUMED	490	470	470	470	720	2630
MACHINERY PARTICULARS — PRESSURES	THROTTLE	—					420
	H.P. AHEAD	—					405
	L.P. AHEAD	—					25
	VACUUM	25	25	25"	25"	25"	28.4"
	L.O. TO TURBINES	12	12	12	12	12	12
	AUX. STEAM	140	140	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	2	2	1.5	1.0	1	3.5
	H.P. BLEEDER	—	—	—	—	—	50
	I.P. BLEEDER	—	—	—	—	—	—
	L.P. BLEEDER	—	—	—	—	—	13
MACHINERY PARTICULARS — TEMPERATURES	STEAM AT THROTTLE	—	—	—	—	—	705
	L.P. EXHAUST	160	160	155	158	156	107
	CONDENSATE	89	88	90	88	88	105
	CIRC. WATER IN	78	78	78	78	78	76
	CIRC. WATER OUT	80	80	80	80	80	90
	L.O. TO COOLERS	110	110	110	110	110	126
	L.O. FROM COOLERS	106	106	106	108	108	109
	TEMPERATURE THRUST BEARING	—	—	—	—	—	117
	FORWARD H.P. ROTOR BEARING	—	—	—	—	—	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	—		—			135
	FORWARD L. P. ROTOR BEARING	—	—	—			127
	AFT. L.P. ROTOR BEARING	—	—	—			130
	HOTTEST GEAR BEARING FORWARD	—	—	—			155
	HOTTEST GEAR BEARING AFT	—	—	—			147
	AUX. COND. CONDENSATE	105	100	105	105	105	105
	1ST STAGE FEED WATER HEATER			—	—	—	160
	D. C. FEED WATER HEATER	240	240	240	240	240	235
	~~3RD STAGE FEED WATER HEATER~~ H.P. / L.P.	—	—				—
BOILER PARTICULARS — PRESSURES	F.O. TO BURNERS P/S	150/150	150	150	155	160	200/195
	F. O. BACK PRESSURE	10	10	5	10	10	12
	AIR TO FURNACE P/S	0.8/1.0	8/1.0	.8/1.0	.8/1.0	.8/1.0	4.4/3.2
	~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
	MAIN STEAM	430	430	430	430	430	420
BOILER PARTICULARS — TEMPS	SUPER HEAT	600	—	590	595	—	705
	F.O. TO BURNERS	160	162	162	160	160	155
	F.O. TEMP. IN SETTLING TANKS P/S	90/90	90/85	87/92	90/85	90/90	89/93
	PORT BOILER UPTAKE	370	370	353	325	320	320
	STBD. BOILER UPTAKE	295	285	290	295	295	325
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	88	88	87	88	88	85
	FIRE ROOM TEMPERATURE	88	88	87	88	88	85
	NOZZLES IN USE	—	—	—	—	—	18
	NO. OF BURNERS IN USE	2	2	2	2	2	6
	BURNER TIP SIZE	53/60	53/60	53/60	53/60	53/60	53/60
	CO_2 % PORT BOILER					19 1/4%	
	CO_2 % STBD. BOILER					19 1/4%	
	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	600	9	118	108		62	550	550	230
	2	1200	430	600	7	132	118		58	600	600	230
1600 TO 2000	1	1200	430	—	9	118	108		62	550	550	230
	2	1200	430	—	7	132	118		58	550	550	230
2000 TO 2400	1	1200	430	590	9	118	110		62	600	600	230
	2	1200	430	590	7	132	120		58	650	650	230
2400 TO 0400	1	1200	430	595	9	118	110		62	650	650	230
	2	1200	430	595	7	132	120		58	700	700	230
0400 TO 0800	1	1200	430	—	9	118	110		62	650	650	230
	2	1200	430	—	7	132	120		58	650	650	230
0800 TO 1200	1	1200	420	705	9	120	110		62	700	700	230
	2	1200	420	705	7	134	120		58	600	600	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10300010
	METER PREVIOUS NOON	10294760
	CONSUMED BY METER	5250
	ON HAND AT START OF DAY	14383
	RECEIVED DURING DAY	-0-
	EXPENDED DURING DAY	14,743
	REMAINING ON BOARD	240
DOMESTIC WATER	ON HAND AT START OF DAY	816
	EVAPORATED OR RECEIVED	178
	ON HAND	872
	CONSUMED	122

BOILER WATER	ON HAND AT START OF DAY	235
	EVAPORATED OR RECEIVED	-0-
	ON HAND	217
	CONSUMED	18
LUBE OIL	ON HAND AT START OF DAY	3130
	RECEIVED	-0-
	ON HAND	3120
	CONSUMED	10
DIESEL OIL		1485
ON HAND		1480
CONSUMED		5

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	3½	4	4

SUMMARY

RUNNING TIME	210	PERCENT OF SLIP	
DETENTION TIME	-0-	BBL FUEL/MI	
TOTAL REVOLUTIONS	20120	WIND DIRECTION	
AVERAGE R.P.M.	85.8	STATE OF SEA	
TOTAL MILES BY ENGINE	75	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

AT ANCHOR Port Watch. Mach Inoperation 1&2 Boiler 1&2 F.D. Blowers. 1&2 F.O. pumps. 1&2 MN Feed pumps. MAIN Air Ejector. MN.Circ & Cond pmps. L.O. purifier. L.O.S pmp MAIN Air Compressor. Firex San pump. A.C. unit. 1&2 Aux Generators. Aux Air Ejector Aux Circ & Cond pmps. MAIN unit ON Jacking Gear. vacuum up on 2nd Stage. Pumped Bilges. Checked Steering E.R. Added 3 GALS L.O. to #1 MN F.D. pump. Made Routine Rounds on Mach & Engs. Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

At Anchor. Mach. in same status as previous watch. At 1550 requested Permission to blow tubes from Bridge. Permission not granted. routine inspection of all operating mach. and spaces.

Oiler, CLINT. F/W LANG.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH

AT ANCHOR, PORT WATCH, MACH. operation - #1 + #2 Boilers, #1 + #2 FD Blowers, #1 + #2 F.O. Pumps, #1 + #2 FD Pumps, 2ND STAGE MN. AIR EJECTOR, MN. + AUX. COND. PUMPS, MN + AUX CIRC. PUMPS, #1 + #2 COND + AUX AIR EJECT; L.O. PUMP, L.O. PURIFIER; MN. UNIT ON JACKING GEAR. MADE ROUNDS AND CHECKED ALL RUNNING MACH;

Keelan, Oiler; Sibee F/W;

WATCH ENGR'S SIGNATURE- L. T. Edwards

2400-0400 WATCH

AT ANCHOR. Port Watch mach as Before. Shifted & cleaned Stbd F.O. disch. strainer. Daily test of Stby L.O. pump for 1-hr. Shifted & cleaned main L.O. disch strainer. Secured L.O. purifier @0100 cleaned & back in service @0130. Held Engs Casualty drill B-7 Forced draft Blower Failure. Watch Inst. & Bridge Notified 0130-0200 Pumped Bilges. Checked Steering E.R. Pumped Bilges. Made Routine Rounds on Mach + Eng's Spaces.

Oiler Queen Fwt. Hinds.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming in Port. Plant operating as previous watch. 0430 to 0500 held Casualty drill B-7 FORCE DRAFT BLOWER FAILURE. WATCH INST. AND BRIDGE NOTIFIED. 0630 Checked throttles for sticking. 0700 wheel Clear. 0655 opened main stops 0659 opened BLKHD. stops. 0700 started spinning Eng. with steam. 0707 tested Eng. Telegraph. 0725 Put up & down L.O. Pump on STBY. Emerg. fuel Pump on STBY.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH

MN. UNIT WARMING up READY FOR STDBY; STDBY 0800; CTR - 16932870; P-FOM 6516390; S-FOM - 3451150; DEPT. - 0530; CTR - 16933390; P-FOM 6516520 S-FOM 3451330. BLEW TUBES @ 0900; Casualty Drill B-7 FORCED DRAFT FAILURE; 4 MEN PRESENT. BRIDGE NOTIFIED; 1000 - 1020; PUMPED up INBD. SETT. FROM #3 PTS D.B. MADE ROUNDS AND CHECKED ALL RUNNING MACH; ON 18 NOZZLES @ 0900.

WATCH ENGR'S SIGNATURE- L. T. Edwards

CHIEF ENGINEER

BOILER WATER READINGS

STB'D (FS)		PORT (WS FS)	
WS 522 HOURS	522	HOURS	522-522
AKL	7.58	AKL	8.18
T-AKL	12.26	T-AKL	13.43
SAL.	3.71	SAL.	4.14
PHOS.	40	PHOS.	45
R.ph	10.	R.ph	10.

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	6-A	Qui Nhon		P2-S2-R2	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	20					
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)	1030 1100	1030 1620	1030 2110	1030 2630	1030 3120	1030 4140
F.O. CONSUMED	1090	520	490	520	490	1020
MACHINERY PARTICULARS — PRESSURES — THROTTLE	—					
H.P. AHEAD	—					
L.P. AHEAD	—					
VACUUM	25"	24.8"	25"	25"	25"	25"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3	3.0	3.0	2.5	2.5	1.5
H.P. BLEEDER	—	—	—	—	—	—
I.P. BLEEDER	—	—	—	—	—	—
L.P. BLEEDER	—	—	—	—	—	—
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE		—	—	—	—	—
L.P. EXHAUST	160	145	155	145	145	135
CONDENSATE	90	90	90	88	88	88
CIRC. WATER IN	78	78	78	78	78	78
CIRC. WATER OUT	80	80	80	80	80	80
L.O. TO COOLERS	112	110	110	110	110	110
L.O. FROM COOLERS	108	108	107	108	108	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						
1ST STAGE FEED WATER HEATER		100				
D. C. FEED WATER HEATER	240	240	240	238	240	240
~~2ND STAGE FEED WATER HEATER~~	1030 100	—	—	—	—	—
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE	8	5	5	5	5	8
AIR TO FURNACE	2.0	2.0	2.0	2.0	2.0	0.2/1.4
~~UPTAKE~~ SALINITY		—	—	—	—	—
MAIN STEAM	430	430	430	430	430	430
BOILER PARTICULARS — PRESSURES — SUPER HEAT	430	—	—	—	—	—
F.O. TO BURNERS	160	160	160	160	160	155
F.O. TEMP. IN SETTLING TANKS	85	85/85	85	85	85	85
PORT BOILER UPTAKE	370	—	—	—	—	—
STBD. BOILER UPTAKE	350	295		295	295	285
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	89	88	88	86	86	87
FIRE ROOM TEMPERATURE	89	88	88	86	86	87
NOZZLES IN USE	—	—	—	—	—	—
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	53/60	53/60-70	53/60-70	53/60	53/60-70	53/60-70
CO_2 % PORT BOILER		—	—			
CO_2 % STBD. BOILER		—	—			
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	570	9	118	108		62	650	650	230
	2	1200	430	570	7	132	118		58	550	550	230
1600 TO 2000	1	1200	430	—	9	118	110		62	500	500	235
	2	1200	430	—	7	132	120		58	500	500	235
2000 TO 2400	1	1200	430	—	9	120	110		62	500	500	235
	2	1200	430	—	7	132	12		58	500	500	235
2400 TO 0400	1	1200	430		9	118	108		62	500	500	235
	2	1200	430		7	132	120		58	550	550	235
0400 TO 0800	1	1200	430		9	118	108		62	500	500	235
	2	1200	430		9	132	120		58	500	500	235
0800 TO 1200	1	1200	430		9	118	110		62	500	500	230
	2	1200	430		9	132	120		58	600	600	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1030+340
	METER PREVIOUS NOON	1030+0010
	CONSUMED BY METER	4330
	ON HAND AT START OF DAY	14,743
	RECEIVED DURING DAY	+ 170
	EXPENDED DURING DAY	14,573
	REMAINING ON BOARD	
DOMESTIC WATER	ON HAND AT START OF DAY	872
	EVAPORATED OR RECEIVED	84
	ON HAND	894
	CONSUMED	62

BOILER WATER	ON HAND AT START OF DAY	217
	EVAPORATED OR RECEIVED	101
	ON HAND	280
	CONSUMED	38
LUBE OIL	ON HAND AT START OF DAY	3120
	RECEIVED	-0-
	ON HAND	3110
	CONSUMED	10
DIESEL OIL		1480
ON HAND		1475
CONSUMED		5

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

ARR: @ 1200 & Reduced speed to 12 NOZZ B/O Bridge. CTR 16954000 F.O.M #1 3482460 #2-6817840. FWE @ 1306 CTR-16956340 FOM #2-6818070 #1-3482640 Secured M.S & B.S. Engaged Jacking Gear @ 1315 Secured 1st Stage on Main Air Ejector. Vacuum up on 2nd stage. Secured #2 Boiler @ 1500 B/O Chief Engr. Bell as per Bell Book. Pumped Bilges. Checked Steering E.R. Made Routine Rounds on Mach & E.R. Spaces.

FWT. Hinds Left E.R. for dental appointment @ 1330

WATCH ENGR'S SIGNATURE- George Bunney

1600-2000 WATCH

Steaming as before Vacuum on Main Plant Jacking Gear engaged with L.O. system in operation #2 boiler secured. Checked all operating mach. and spaces.

OILER, CLINT. F/W LANG.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH

Steaming as before Vacuum up on main unit, Jacking gear engaged L.O. system in operation. Checked all operating mach. Carried out standing and night orders

OILER, KEELAND. F/W, SIBER.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

AT ANCHOR Port Watch Mach as Before Shifted & Cleaned stbd F.O. disch. strainer. Daily test of stby L.O. pump for 2-hr. Shifted & Cleaned main L.O. disch strainer. Pumped Bilges. Checked Steering Engine Room. made Routine Rounds on Mach & Engs Spaces.

OILER QUEEN FWT HANLEY, JR. ENGR.

WATCH ENGR'S SIGNATURE- George Bunney

0400-0800 WATCH

Steaming as before. Checked all operating mach. and Eng. spaces. Pulled Top valve bonnet on low gage glass #2 boiler for repair. Pulled bottom burner oil supply line to have leak brazed. Routine insp. of mach. and spaces.

OILER. CLINT. F/W LANG.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH

Port Watch; Jrs. Repaired leak in Combustion Control line; installed repaired F.O. line #2 Boiler and Gage Glass ~~Not~~ Valve and Repairing lagging. Pumped up inbd Sett. from #3 P/S DB. Lit off #2 Boiler 1019: Time Check & Telegraph Checked @ 1100; Jacking Gear Disengaged; Turning over Mn Unit @ 1109; 1st Stage Mn Ejector opened; Steering Gear Checked.

Jrs. Working on Boiler; Staggs, McReds & Wenner

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

(605) STB'D	F5	PORT (605 - F5)	
546 HOURS	546	HOURS	525-525
AKL	7.01	AKL	
T-AKL	12.24	T-AKL	
SAL.	4.25	SAL.	
PHOS.	.50	PHOS.	
R.ph	10.0	R.ph	

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-A	QUI NHON	OAKLAND CALIF	P2-S2-R2	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)	1697 4490	1699 8080	1702 1300	1704 5300	1706 8990	1709 2550
TOTAL REVOLUTIONS (FOR WATCH)	16770	23590	23220	24000	23690	23560
AVERAGE RPM	81.4	94.1	96.8	100.0	98.7	98.2
F.O. METER (END OF WATCH)	1030 6750	1030 9420	1031 2130	1031 4920	1031 7600	1032 0340
F.O. CONSUMED	2610	2670	2710	2790	2680	2740
MACHINERY PARTICULARS — PRESSURES — THROTTLE	430	430	430	430	430	430
H.P. AHEAD	430	430	430	430	430	430
L.P. AHEAD	26	26	26	26	26	26
VACUUM	28.2"	28"	28.2"	28.2"	28"	28"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	140	140	150	150	145	145
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3.0	3.0	2.5	2.5	3	2.5
H.P. BLEEDER	74	74	70	74	68	55
I.P. BLEEDER	—	—	—	—	6.5	—
L.P. BLEEDER	10.5	13	10	10	10	10
TEMPERATURES — STEAM AT THROTTLE	695	695	695	695	690	695
L.P. EXHAUST	110	110	112	110	110	111
CONDENSATE	106	106	108	106	108	108
CIRC. WATER IN	82	84	85	82	82	85
CIRC. WATER OUT	92	92	94	94	94	94
L.O. TO COOLERS	124	126	126	126	126	126
L.O. FROM COOLERS	108	108	108	108	108	108
TEMPERATURE THRUST BEARING	116	115	117	116	118	117
FORWARD H.P. ROTOR BEARING	125	130	127	126	130	130

	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	135	140	140	135	140	140
FORWARD L. P. ROTOR BEARING	132	130	132	130	132	132
AFT. L.P. ROTOR BEARING	125	130	130	130	135	135
HOTTEST GEAR BEARING FORWARD	155	155	152	150	155	155
HOTTEST GEAR BEARING AFT	145	145	147	145	145	145
AUX. COND. CONDENSATE	108	1	115	110		115
1ST STAGE FEED WATER HEATER	164	164	164	165	166	166
D. C. FEED WATER HEATER	238	240	238	238	240	238
~~3RD STAGE FEED WATER HEATER~~ RAW	1050 100	—	—	—		
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P/S	195/195	190/200	200	200	190/185	180
F. O. BACK PRESSURE	10	12/10	9	10	12/11	12
AIR TO FURNACE P/S	5.2/6.4	5.2	5.2/5.8	5.2/5.8	5.2/6.0	5.4/6.0
~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
MAIN STEAM	430	430	430	430	430	430
PRESSURES — SUPER HEAT	695	695	695	695	690	695
F.O. TO BURNERS P/S	160/160	165/160	165	165	165/155	165/160
F.O. TEMP. IN SETTLING TANKS P/S	85/80	85/85	90/84	90/85	85/85	86
PORT BOILER UPTAKE	345	330	325	335	330	340
STBD. BOILER UPTAKE	340	315	314	320	320	315
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	91	92	91	91	92	93
FIRE ROOM TEMPERATURE	91	92	91	91	92	93
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					20 1/4 %	
CO_2 % STBD. BOILER					20 1/4 %	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	695	9	118	106		62	750	700	230
	2	1246	430	695	7	132	120		58	750	700	230
1600 TO 2000	1	1200	430	695	9	120	110		62	750	700	230
	2	1200	430	695	7	134	122		58	750	700	230
2000 TO 2400	1	1200	430	695	9	120	120		62	650	650	230
	2	1200	430	695	7	134	122		58	700	700	230
2400 TO 0400	1	1200	430	695	9	120	110		62	750	750	230
	2	1200	430	695	7	134	122		58	600	600	230
0400 TO 0800	1	1200	430	690	9	120	110		62	760	760	230
	2	1200	430	690	7	134	122		58	600	600	230
0800 TO 1200	1	1200	430	695	9	120	110		62	650	650	230
	2	1200	430	695	7	134	122		58	700	700	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10320340	BOILER WATER — ON HAND AT START OF DAY	280
	METER PREVIOUS NOON	10304340	EVAPORATED OR RECEIVED	-0-
	CONSUMED BY METER	16,000	ON HAND	232
	ON HAND AT START OF DAY	14,573	CONSUMED	48
	RECEIVED DURING DAY	-0-	LUBE OIL — ON HAND AT START OF DAY	3110
	EXPENDED DURING DAY	697	RECEIVED	-0-
	REMAINING ON BOARD	13,876	ON HAND	3100
DOMESTIC WATER	ON HAND AT START OF DAY	894	CONSUMED	10
	EVAPORATED OR RECEIVED	172	DIESEL OIL	1475
	ON HAND	1026	ON HAND	1473
	CONSUMED	40	CONSUMED	2

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	1398	PERCENT OF SLIP	POS 10.1
DETENTION TIME	-0-	BBL FUEL/MI	1.40
TOTAL REVOLUTIONS PVS.	132,660	WIND DIRECTION	045
AVERAGE R.P.M.	94.893	STATE OF SEA	SM. SWELL
TOTAL MILES BY ENGINE	495	STATE OF WEATHER	78°
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH Stby @1203 Ctr-16956760 FOM #1-3485580 #2-6818760. Dept @1242 Ctr-16957720 FOM #1-3485770 #2-6818930 Full 18 Nozz @1312 Shifted Main Sea suct to Low. Bells as per Bell Book. Mach in operation 1&2 Blrs 1&2 F.D. Blowers. 1&2 F.O.S. pmps. 1&2 Mn. F.O. Pmps. Mn&Aux Circ pmps. Mn&Aux Cond pmps. Main Air Compressor. Mn&Aux Air Ejectors. 1&2 Aux Gens. L.O. purifier. L.O.S. pmp. Fire&San Pmp. A.C. Unit. Port Steering Gear. Pumped Bilges. Checked steering F.O. Gear.

WATCH ENGR'S SIGNATURE- George Bunney

1600-2000 WATCH Steaming as before on 18 Nozz. 1605 to 1630 blew tubes on #1&2 boilers. Checked all operating mach. & outside mach. spaces. Pumped bilges, Charged bottom burner in #1&2 boilers. Carried out standing & night orders.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH STEAMING ON 18 NOZZLES; CHANGED AND CLEANED F.O. SUCT & #1&2 GEN. LUB. STRAINERS; CHANGED OVER TO OUTBD. SETT. @2105; PUMPED UP INBD. SETT. FROM #3 P&S DB; DIAPHRAM BLEW ON 70# REDUCING STATION 2230; JR. CHECKED STEERING GEAR AND TAKE WATER SOUNDINGS; MADE ROUNDS AND CHECK AIR RUNNING MACH; PUMPED BILGE HELDS #1,2,3 & 4 P & #1,2,3, & 4 S.

WATCH ENGR'S SIGNATURE- L H Edwards

2400-0400 WATCH UNder ON 18 NOZZ Mach as Before. Changed & Cleaned Center F.O. burners & stbd disch. Strainer. Daily test of Stby L.O. pump For 1-hr. Shifted and Cleaned Main L.O. disch Strainer. Replaced Diaphram on 70# Red. Station. Pumped Bilges. Checked Steering F.O. Gear. Shifted F.O. Suct to Port Inbd Sett @0330 Made Routine Rounds on Mach & Eng's Spaces. Added 1-Gal L.O. to #1 Main Feed Pump & 2 Gals to #2

WATCH ENGR'S SIGNATURE- George Bunney

0400-0800 WATCH Steaming as before on 18 Nozz. Changed bottom burner in #1&2 boilers. Pumped bilges. Checked all operating mach. inspected outside spaces. Added Compound to #1&2 boilers. Carried out standing and night orders.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH STEAMING ON 18 NOZZLES; BLEW TUBES @0805; PUMPED UP SETTLERS FROM #3 & DB; CHANGED AND CLEANED TOP F.O. STRAINERS; JR. CHECKED STEERING GEAR; ADDED 3½ GALS L.O. TO #1 MN. FO PMP, 3 GALS TO #2; CHANGED AND CLEANED L.O. STRAINERS #1 & #2 GEN; MADE ROUNDS AND CHECKED AIR RUNNING MACH;

WATCH ENGR'S SIGNATURE- L H Edwards

CHIEF ENGINEER

BOILER WATER READINGS:

(WS) SLB'D	FWD (WS - 15)
870 HOURS 570	HOURS (525 - 525)
AKL 7.01	AKL 7.01
T-AKL 12.26	T-AKL 12.26
SAL. 2.90	SAL. 3.31
PHOS. 35	PHOS. 35
R.ph 10.	R.ph 10.0

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope Trp 110	6-A	Qui Nhon	Oakland Calif	P2-S2-R2	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)	1711 6080	1713 9800	1716 3000	1718 6730	1721 0590	1723 3980
TOTAL REVOLUTIONS (FOR WATCH)	23530	23820	23200	23730	23860	23390
AVERAGE RPM	98.0	99.2	96.7	98.8	99.4	97.5
F.O. METER (END OF WATCH)	1032 3110	1032 5830	1032 8550	1033 1330	1033 4020	1033 5870
F.O. CONSUMED	2770	2720	2720	2780	2690	
MACHINERY PARTICULARS — PRESSURES: THROTTLE	430	430	430	430	430	430
H.P. AHEAD	430	430	430	430	430	430
L.P. AHEAD	26	27.5	27	27	27	27
VACUUM	28"	28"	28"	28.2"	28.1"	28"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	145	145	145	145	145
BACK PRESSURE	9	9	8	9	9	9
GLAND STEAM	2.5	3	2.5	2.5	3	3
H.P. BLEEDER	72	68	58	70	56	56
I.P. BLEEDER	—	6	—		6	
L.P. BLEEDER	10	10"	10"	10"	10"	10"
MACHINERY PARTICULARS — TEMPERATURES: STEAM AT THROTTLE	695	695	690	690	690	695
L.P. EXHAUST	110	115	115	110	110	110
CONDENSATE	108	110	110	108	110	106
CIRC. WATER IN	84	84	86	82	83	83
CIRC. WATER OUT	96	96	96	94	96	94
L.O. TO COOLERS	126	126	126	126	126	126
L.O. FROM COOLERS	108	108	105	108	108	105
TEMPERATURE THRUST BEARING	116	118	118	119	118	117
FORWARD H.P. ROTOR BEARING	130	130	130	130	130	130

	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	135	140	138	135	140	140
FORWARD L. P. ROTOR BEARING	130	132	132	130	135	135
AFT. L.P. ROTOR BEARING	130	135	135	135	135	135
HOTTEST GEAR BEARING FORWARD	150	155	155	150	155	155
HOTTEST GEAR BEARING AFT	145	145	147	145	145	145
AUX. COND. CONDENSATE	117	1	115	115		115
1ST STAGE FEED WATER HEATER	166	166	166	164	166	164
D. C. FEED WATER HEATER	240	240	240	238	240	235
~~2ND STAGE FEED WATER HEATER~~	.050 / 100					
BOILER PARTICULARS — ~~PRESSURES~~ TEMPERATURES: F.O. TO BURNERS P/S	180 / 180	180 / 180	170 / 185	170 / 175	190 / 180	190 / 180
F. O. BACK PRESSURE P/S	10	12 / 11	9	10	11 / 11	12 / 10
AIR TO FURNACE P/S	5.4 / 6.2	5.2 / 5.2	5.6 / 6.0	5.8 / 6.0	5.3 / 5.4	5.4 / 5.8
~~SALINITY UPTAKE~~	.41	.41	.41	.41	.41	.41
MAIN STEAM	430	430	430	430	430	430
BOILER PARTICULARS — ~~TEMPERATURES~~ PRESSURES: SUPER HEAT	695	695	690	690	690	695
F.O. TO BURNERS P/S	160	165 / 165	165	165	165 / 160	165
F.O. TEMP. IN SETTLING TANKS P/S	85 / 85	85 / 85	87 / 87	88 / 85	85 / 85	86 / 86
PORT BOILER UPTAKE	345	335	327	330	345	317
STBD. BOILER UPTAKE	315	310	311	315	315	312
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	94	94	93	92	92	93
FIRE ROOM TEMPERATURE	94	94	93	92	92	93
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					20.4%	
CO_2 % STBD. BOILER					20.4%	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	695	9	122	110		62	700	700	230
	2	1200	430	695	7	136	124		58	650	650	230
1600 TO 2000	1	1200	430	695	9	122	110		62	950	950	230
	2	1200	430	695	7	136	124		58	600	600	230
2000 TO 2400	1	1200	430	690	9	122	112		62	600	700	230
	2	1200	430	690	7	136	124		58	700	650	230
2400 TO 0400	1	1200	430	690	9	120	110		62	650	600	230
	2	1200	430	690	7	134	122		58	650	650	230
0400 TO 0800	1	1200	430	690	9	120	110		62	490	500	235
	2	1200	430	690	7	136	124		58	850	850	235
0800 TO 1200	1	1200	430	695	9	120	110		62	650	650	230
	2	1200	430	695	7	136	124		58	700	900	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10334870	BOILER WATER: ON HAND AT START OF DAY	232
	METER PREVIOUS NOON	10320340	EVAPORATED OR RECEIVED	46
	CONSUMED BY METER	14530	ON HAND	232
	ON HAND AT START OF DAY	13,876	CONSUMED	46
	RECEIVED DURING DAY	—0—	LUBE OIL: ON HAND AT START OF DAY	3100
	EXPENDED DURING DAY	693	RECEIVED	—0—
	REMAINING ON BOARD	13,183	ON HAND	3080
DOMESTIC WATER	ON HAND AT START OF DAY	1026	CONSUMED	20
	EVAPORATED OR RECEIVED	139	DIESEL OIL	1473
	ON HAND	1089	ON HAND	1470
	CONSUMED	76	CONSUMED	3

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	1440	PERCENT OF SLIP	
DETENTION TIME	—0—	BBL FUEL/MI	
TOTAL REVOLUTIONS AVG.	138,785	WIND DIRECTION	
AVERAGE R.P.M.	96.4	STATE OF SEA	
TOTAL MILES BY ENGINE	517	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH Underway on 18 Nozz. Mach Inoperation #1&2 Boilers 1&2 F.W. Blowers. 1&2 F.O.S. Pmps. 1&2 Mn.F.W. Pumps. Main Air Compressor. Mn & Aux Air Ejector. Mn & Aux Circ. Pmps. Mn & Aux Cond. Pmps. L.O. Purifier. L.O.S. Pmp. 1&2 Aux Generators. Fire & Sam. Pmp. A.C. Unit. Port Steering Gear. Tested overspeed trip Low L.O. Alarm on Mn. Turbine & Thrust. Checked Steering E.R. Gear. Pumped Bilges. Made Routine Rounds on Mach & Eng's Spaces. Added 2 Gals L.O. to #1 Mn Feed Pump.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH Steaming as before on 18 Nozz. Blew tubes from 1550 to 1615 on #1&2 boiler. 1740 Closed W.T. doors from Bridge. Shifted and Cleaned main L.O. strainer. Replaced Gage Glass Column on #2 boiler. Checked all operating mach. and S.E. Room. Carried out standing orders.

WATCH ENGR'S SIGNATURE- H.M. Jones

2000-2400 WATCH Steaming on 18 nozzles; Pumped up Inbd. Sett. from #3 & DB; Burners on Air Compressor starting to spark; Tested Fresh Water Pump 30 minutes; Added 3 Gals L.O. #1 Mn. F.W. Pump + 1 Gal. to #2 F.W. Pump. Jr. checked Steering Gear and Tank Water Soundings; Made Rounds and checked all Running Mach.

WATCH ENGR'S SIGNATURE- J.H. Edwards

2400-0400 WATCH Underway on 18 Nozz. Mach as Before. Changed & Cleaned Center F.O. burners & Stbd disch strainer. Checked Steering E.R. Gear. Shifted and Cleaned Main L.O. strainer. Daily test of stby L.O. pump for 1-hr. Shifted F.O. Suct to port Inbd Sett @ 0300. Added 3 Gals. L.O. to #1 Main Feed Pump. Made Routine Rounds on Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH Steaming as before on 18 Nozz. Shifted and Cleaned Main L.O. Strainer. Changed bottom burner in #1&2 boilers. Checked all operating machinery. Inspected S.E. Room. Carried out watch routine.

Conditions Normal.

WATCH ENGR'S SIGNATURE- H.M. Jones

0800-1200 WATCH Steaming on 18 nozzles; Blew Tubes @ 0850, Pumped up settlers from #3 & DB; F.O. Suct. Strainer Changed and cleaned; Changed and cleaned #1 & #2 Gen. L.O. Strainers; 3 Gals L.O. added to #1 Mn. F.W. Pump; #3 & #4 P. Bilge Holds Pumped; Jr. Checked Steering Gear; Made Rounds and Checked all Running Mach.; Changed and cleaned Top F.O. Burners; Jr. Pumped up Relieving Tank, Steering Gear;

WATCH ENGR'S SIGNATURE- J.H. Edwards

CHIEF ENGINEER

BOILER WATER READINGS

WS STB'D	FS	PORT	(WS - FS)
614 HOURS	614	HOURS	(549 - 549)
AKL	7.59	AKL	7.59
T-AKL	12.85	T-AKL	12.26
SAL.	5.80	SAL.	4.14
PHOS.	50	PHOS.	38
R.ph	10	R.ph	10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-A	QUI NHON	OAKLAND CALIF	P2-S2-R2	12-18-19-66

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	220	220	220	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1725 7360	1728 0300	1730 1470	1732 2850	1734 4070	1736 5630
TOTAL REVOLUTIONS (FOR WATCH)		23380	23040	21170	21380	21220	23160
AVERAGE RPM		97.4	96.0	96.2	97.1	96.0	96.5
F.O. METER (END OF WATCH)		1033 7560	1034 2260	1034 4780	1034 7320	1034 9760	1035 2510
F.O. CONSUMED				2520	2540	2440	2750
MACHINERY PARTICULARS	PRESSURES						
	THROTTLE	430	430	430	430	430	430
	H.P. AHEAD	430	430	430	430	425	430
	L.P. AHEAD	27	27	28	27	27	27
	VACUUM	28"	28"	28"	28"	28"	28"
	L.O. TO TURBINES	12	12	12	12	12	12
	AUX. STEAM	145	145	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	2.5	3	3	3	3	3
	H.P. BLEEDER	70	60	54	70	72	66
	I.P. BLEEDER	-	6			6	
	L.P. BLEEDER	10"	10"	10"	10"	10"	10"
	TEMPERATURES						
	STEAM AT THROTTLE	690	695	695	690	695	695
	L.P. EXHAUST	112	112	112	112	112	112
	CONDENSATE	108	108	108	108	108	108
	CIRC. WATER IN	84	83	85	83	83	85
	CIRC. WATER OUT	96	96	94	96	96	96
	L.O. TO COOLERS	124	126	126	126	126	126
	L.O. FROM COOLERS	108	108	108	108	108	108
	TEMPERATURE THRUST BEARING	117	115	115	115	115	116
	FORWARD H.P. ROTOR BEARING	130	130	130	130	130	130

		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	135	140	140	135	140	135
	FORWARD L. P. ROTOR BEARING	130	132	132	130	132	132
	AFT. L.P. ROTOR BEARING	130	135	135	135	135	135
	HOTTEST GEAR BEARING FORWARD	150	155	152	150	155	152
	HOTTEST GEAR BEARING AFT	145	145	145	145	145	147
	AUX. COND. CONDENSATE	115	[illegible]	115	115		115
	1ST STAGE FEED WATER HEATER	166	166	166	166	164	164
	D. C. FEED WATER HEATER	238	240	240	240	238	240
	~~3RD STAGE FEED WATER HEATER~~ H.P. / L.P.	.050 / 100	—	—	—		
BOILER PARTICULARS	PRESSURES						
	F.O. TO BURNERS P / S	190 / 175	190 / 170	185 / 175		190 / 185	185
	F. O. BACK PRESSURE P / S	10	12 / 12	10 / 8	10 / 10	15 / 11	12 / 10
	AIR TO FURNACE P / S	5.2 / 6.0	5.2 / 6.0	5.5 / 6.0	5.4 / 6.0	6.0 / 6.2	5.6 / 6.4
	~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
	MAIN STEAM	430	430	430	430	430	430
	TEMPERATURES						
	SUPER HEAT	690	695	695	690	695	695
	F.O. TO BURNERS P / S	165 / 165	165 / 165	165	165 / 165	165 / 160	165 / 155
	F.O. TEMP. IN SETTLING TANKS P / S	85 / 88	85 / 85	84 / 88	90 / 85	85 / 85	83 / 85
	PORT BOILER UPTAKE	320	320	317	325	325	326
	STBD. BOILER UPTAKE	315	315	312	315	320	312
MISCELLANEOUS							
	ENGINE ROOM TEMPERATURE	91	92	92	93	94	94
	FIRE ROOM TEMPERATURE	91	92	92	93	94	94
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE P / S	53 / 70	53 / 70	53 / 70	53 / 70	53 / 70	53 / 70
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	690	9	120	110		62	750	700	230
	2	1200	430	690	7	134	122		58	750	700	230
1600 TO 2000	1	1200	430	695	9	120	110		62	500	500	230
	2	1200	430	695	7	134	122		58	750	750	230
2000 TO 2400	1	1200	430	695	9	120	110		62	700	700	230
	2	1200	430	695	7	134	122		58	600	600	230
2400 TO 0400	1	1200	430	690	9	120	110		62	700	650	230
	2	1200	430	690	7	134	122		58	600	600	230
0400 TO 0800	1	1200	430	695	9	120	110		62	650	650	230
	2	1200	430	695	7	134	122		58	500	500	230
0800 TO 1200	1	1200	430	695	9	122	112		62	550	550	230
	2	1200	430	695	7	136	122		58	600	600	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10352510	BOILER WATER	ON HAND AT START OF DAY	232
	METER PREVIOUS NOON	10335870		EVAPORATED OR RECEIVED	91
	CONSUMED BY METER	16640		ON HAND	287
	ON HAND AT START OF DAY	13,183		CONSUMED	36
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	3080
	EXPENDED DURING DAY	699		RECEIVED	-0-
	REMAINING ON BOARD	12,484		ON HAND	3060
DOMESTIC WATER	ON HAND AT START OF DAY	1089		CONSUMED	20
	EVAPORATED OR RECEIVED	78	DIESEL OIL		1470
	ON HAND	1127	ON HAND		1468
	CONSUMED	40	CONSUMED		2

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	3 2/3	3 2/3	3 2/3	3 2/3

SUMMARY

RUNNING TIME	1380	PERCENT OF SLIP	Pos. 14.75
DETENTION TIME	-0-	BBL FUEL/MI	1.68 1.43
TOTAL REVOLUTIONS	130788	WIND DIRECTION	080°
AVERAGE R.P.M.	94.7	STATE OF SEA	4' swells
TOTAL MILES BY ENGINE	488	STATE OF WEATHER	74°
TOTAL MILES BY OBSERVATION	416		

REMARKS

1200-1600 WATCH
Underway on 18 Nozz Mach Inoperation #1+2 Boilers. 1+2 F.D. Blowers. 1+2 F.O.S. pmps. 1+2 Main F.W. pmps. Main Air Compressor. Mn.+Aux Air Ejectors. Mn+Aux Circ. pmps. Mn+Aux Cond. pmps. L.O. purifier. L.O.S. pump. 1+2 Aux Generators. Fire+San. pump A.C. unit. Port Steering Gear. Tested overspeed Trip+Low L.O. alarm on Mn Turbine+Thrott. Checked Steering E.R. Gear. Pumped Bilges. Added 3 Gals L.O. to #1 Mn Feed Pump Made Routine Rounds on Mach+Engs Spaces.

WATCH ENGR'S SIGNATURE- Henry Bunney

1600-2000 WATCH
Steaming as before on 18 Nozz. 1555 & 1620 blew tubes on #1+2 boilers. 1715 Condition Cruising Set. Pumped bilges and Cargo holds. Checked all operating mach. Changed bottom burner in #1+2 boilers. Shifted F.O. disch. strainer to Port boiler. Checked S.E. Room. Routine Watch.

Conditions normal

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH
Steaming on 18 nozzles; Pumped up Inbd. Sett. from #2 P+S DB; Added 2 Gals L.O. #1 F.O. Pump; Changed and cleaned #1+#2 Gen L.O. Strainers; Jr. Checked Steering Gear and Took Water Soundings; Advanced clocks 20 min @ 2240; Made Rounds and Checked all Running Mach;

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
Underway on 18 Nozz Mach As Before. Changed + Cleaned Center F.O. Burners + Stbd disch strainer. Advanced Clocks 20 mins. @0100. Daily test of stby L.O. pump for 1-hr. Shifted + Cleaned main L.O. disch strainer. Pumped Bilges. Held Eng's Casualty drill B-8 High Salinity In Boiler While Steaming. Watch Inst + Bridge Notified 0130-0200 Checked Steering E.R. Gear. Shifted F.O. Suct to Port Inbd Sett @0300. Made Routine Rounds on Mach + Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Bunney

0400-0800 WATCH
Steaming as before on 18 Nozz. Changed bottom burner in #1+2 boilers. Shifted and Cleaned Main L.O. Strainer. 0500 & 0530 held Casualty drill B-8, High Salinity in steaming boiler, instructed watch + notified Bridge. 0421 Clocks advanced (20 min) Added 3 Gal oil to #1 and 2 gal. to #2 Feed Pumps. 0645 Cruising Condition modified. Jr. Eng. Checked S.E. room + Pumped up STBD. Uplinking oil tank.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH
Steaming on 18 nozzles; Blew Tubes @ 0810; Pumped up Settlers from #2 P+S DB; Change and Cleaned Top F.O. Burners; Changed and cleaned F.O. Suct. Strainer & #1+#2 Gen. L.O. Strainers; Secured Purifier 0935 - 0955, Elect. working on unit; Casualty Drill B-8 High Salinity in Steaming Boiler 1000 - 1020; Jr. Checked Steering Gear; Made Rounds and Checked all Running Mach;

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

(WS) STBD	FS)	PORT	(WS - FS)
614 HOURS	614	HOURS	(573 - 573)
AKL	7.59	AKL	7.61
T-AKL	12.56	T-AKL	12.26
SAL.	3.31	SAL.	3.31
PHOS.	.38	PHOS.	.38
R.ph	10	R.ph	10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	6-A	Qui Nhon	Oakland Calif	P2-S2-R2	12-17-20-66

	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)	1739 0590	1741 3860	1743 7090	1746 0690	1748 4370	1750 7040
TOTAL REVOLUTIONS (FOR WATCH)	23360	23270	23230	23600	23680	23270
AVERAGE RPM	97.3	96.9	96.8	98.3	98.6	97.0
F.O. METER (END OF WATCH)	1035 5310	1035 8030	1036 0780	1035 3570	1036 6270	1036 9050
F.O. CONSUMED	2810	2720	2750	2790	2700	2780
MACHINERY PARTICULARS – PRESSURES: THROTTLE	430	430	430	430	430	440
H.P. AHEAD	430	430	430	430	430	435
L.P. AHEAD	27	28	27	27	27	27
VACUUM	28"	28"	28"	28"	28"	28.2"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3	3	3	3	3	3
H.P. BLEEDER	70	56	60	68	68	62
I.P. BLEEDER		6			6.8	
L.P. BLEEDER	10"	10"	10"	10"	9"	10"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	695	695	695	680	695	695
L.P. EXHAUST	110	110	112	110	110	112
CONDENSATE	108	110	108	108	108	108
CIRC. WATER IN	83	83	83	82	82	81
CIRC. WATER OUT	94	96	95	94	94	94
L.O. TO COOLERS	125	126	126	125	126	126
L.O. FROM COOLERS	108	109	108	108	108	108
TEMPERATURE THRUST BEARING	118	118	117	118	118	117
FORWARD H.P. ROTOR BEARING	130	130	130	130	130	130

	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	135	140	135	135	140	140
FORWARD L. P. ROTOR BEARING	130	132	132	130	135	132
AFT. L.P. ROTOR BEARING	130	135	135	135	135	135
HOTTEST GEAR BEARING FORWARD	150	155	154	150	155	155
HOTTEST GEAR BEARING AFT	145	145	147	145	145	145
AUX. COND. CONDENSATE	115		115	115		115
1ST STAGE FEED WATER HEATER	164	166	166	164	166	165
D. C. FEED WATER HEATER	238	240	240	240	240	240
~~2ND STAGE FEED WATER HEATER~~ RATIO HP / LP	.050 / 100					
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS P/S	190/185	190/175	195/180	185/175	190/180	200/180
F. O. BACK PRESSURE P/S	10/10	12/16	9/8	12/12	13/11	12/9
AIR TO FURNACE P/S	5.4/6.4	5.2/6.0	5.6/6.6	5.5/6.0	5.2/6.0	4.2/5.5
~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
MAIN STEAM	430	430	430	430	430	440
BOILER PARTICULARS – TEMPERATURES: SUPER HEAT	695	69	695	680	695	695
F.O. TO BURNERS P/S	165/165	160/170	165/160	165/165	165/160	160
F.O. TEMP. IN SETTLING TANKS P/S	85/85	85/85	85/85	85/85	85/85	85/86
PORT BOILER UPTAKE	325	315	315	320	330	325
STBD. BOILER UPTAKE	315	310	312	315	315	315
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	94	92	92	92	92	92
FIRE ROOM TEMPERATURE	94	92	92	92	92	92
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	695	9	120	110		62	750	750	230
	2	1200	430	695	7	136	122		58	700	700	230
1600 TO 2000	1	1200	430	695	9	120	110		62	850	850	230
	2	1200	430	695	7	136	122		58	500	500	230
2000 TO 2400	1	1200	430	695	9	120	110		62	800	800	230
	2	1200	430	695	7	136	122		58	500	500	230
2400 TO 0400	1	1200	430	680	9	120	110		62	700	700	230
	2	1200	430	680	7	136	122		58	750	750	230
0400 TO 0800	1	1200	430	695	9	120	110		62	500	500	230
	2	1200	430	695	7	136	122		58	850	850	230
0800 TO 1200	1	1200	440	695	9	120	110		62	450	450	230
	2	1200	440	695	7	136	122		58	950	950	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10369050	BOILER WATER: ON HAND AT START OF DAY	287
	METER PREVIOUS NOON	10352510	EVAPORATED OR RECEIVED	82
	CONSUMED BY METER	16,540	ON HAND	326
	ON HAND AT START OF DAY	12,464	CONSUMED	43
	RECEIVED DURING DAY	-0-	LUBE OIL: ON HAND AT START OF DAY	3060
	EXPENDED DURING DAY	750	RECEIVED	-0-
	REMAINING ON BOARD	11,734	ON HAND	3040
DOMESTIC WATER	ON HAND AT START OF DAY	1127	CONSUMED	20
	EVAPORATED OR RECEIVED	47	DIESEL OIL	1468
	ON HAND	1105	ON HAND	1465
	CONSUMED	69	CONSUMED	3

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	1440	PERCENT OF SLIP	Pos. 13.98
DETENTION TIME	—	BBL FUEL/MI	1.68 / 1.45
TOTAL REVOLUTIONS AVG.	138,155	WIND DIRECTION	105°
AVERAGE R.P.M.	95.9	STATE OF SEA	5' swell
TOTAL MILES BY ENGINE	515	STATE OF WEATHER	77°
TOTAL MILES BY OBSERVATION	443		

FROM 1762 TO 50-5354

REMARKS

1200-1600 WATCH

Underway on 18 Nozz Mach Inoperation #1+2 Boilers. 1+2 F.D. Blowers. 1+2 F.O.S. pmps. 1+2 Main F.W. pmps. Main Air Compressor. Main + Aux Air Ejectors. Main + Aux Circ pmps. Main + Aux Cond pmps. 1+2 Aux Generators. L.O. purifier. L.O.S. pmp. Fire + San Pump. A.C. Unit. Port Steering Gear. Tested overspeed trip Low L.O. Alarm + Thrott. Fire drill @1300 Sec. 1317. Boat drill @1318 Sec. @ 1326. Stby @1300 ~~L.O.~~ @1326 Tested Fire Pump Relief valve poped 125# Added 3 Gals L.O. to #1 Main Feed Pump. Checked Steering E.R. Gear. Made Routine Rounds on Mach. + Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

Steaming as before on 18 Nozz. 1555 to 1615 blew tubes on #1 + 2 boilers. 1745 Set Condition Cruising. Changed bottom burner in #1 + 2 boilers. Pumped bilges, shifted and Cleaned main L.O. strainer, shifted and Cleaned F.O. Disch. strainer to #2 boiler. Checked S.E. room Checked all operating mach. Pumped bilges and Cargo holds. Added 2 Gal. oil to #1 feed pump.

Conditions normal.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH

Steaming on 18 nozzles; Secured #2 Evap. @ 2010; Pumped up Inbd. Settler from #4 P+S DB. #1 + #2 Gen L.O. Strainers cleaned + changed; Tested Sanitary Pump; S.E. Checked Steering Gear and the Water Scrubbers; Made Rounds and Check all Running Mach.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Underway on 18 Nozz Mach as Before Changed + Cleaned Center F.O. burners + stbd disch strainer. Secured L.O. purifier @0000 Cleaned back in service @0030. Daily test of Stby L.O. pump for 1-hr Shifted + Cleaned main L.O. disch strainer. Checked Steering E.R. Gear. Pumped Bilges. Shifted F.O. suct to port inbd sett @0230 Added 3-Gals L.O. to #1 Main Feed Pump. Made Routine Inspections of Mach. + Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming as before on 18 Nozz. shifted and Cleaned main L.O. strainer. Changed bottom burner on #1 + 2 boilers. inspected and Checked Machinery in S.E. Room. Pressure opening on slipping on #2 Generator. 0630 Cruising Conditions modified. Added 2 Gal. F.O. to #1 + 2 feed Pumps. Pumped bilges and Cargo holds.

Conditions Normal

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH

Steaming on 18 Nozzles; Blew Tubes clear, Bearing forward end of Motor #2 Main Feed Pump Running Hot; Compressor unloader checked out by Elect.; Chief Reefer checked out leak from Purge Unit on Cont. Reefer Unit.; Pumped up Settlers from #4 P+S DB; Changed and cleaned F.O. Suct + #1 + #2 Gen L.O. Strainers and Top F.O. Burners; S.E. Check Steering Gear; Made Rounds and Checked all Running Mach.;

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

12-16 Cont. Engine Dept Safety Meeting Febuary 1330-1350 40 men present. Conducted by Chief Engr E.C. Quinn

BOILER WATER READINGS

STB'D	PORT
614 HOURS	HOURS 597.
AKL 7.58	AKL 8.18
T-AKL 12.85	T-AKL 12.85
SAL. 4.97	SAL. 4.99
PHOS. 35	PHOS. 38
P.ph 10.	P.ph 10.

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	C-A	Qui Nhon	Oakland Calif	P2-S2-R2	12-20-21-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1753 1420	1755 4990	1757 6450	1759 8210	1761 9970	1764 3370
TOTAL REVOLUTIONS (FOR WATCH)	23780	23570	21460	21760	21760	23400
AVERAGE RPM	99	98.2	97.5	98.9	98.9	97.5
F.O. METER (END OF WATCH)	1037 1900	1037 4610	1037 7130	1037 9730	1038 2210	1038 4980
F.O. CONSUMED	2850	2710	2520	2600	2480	2770
MACHINERY PARTICULARS — PRESSURES — THROTTLE	440	435	435	435	435	435
H.P. AHEAD	435	430	435	430	435	435
L.P. AHEAD	28	27.5	27	27	27	27
VACUUM	28.2"	28.2"	28.2"	28.2"	28"	28.2"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	140	135	135	135	140	135
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3.5	3	3	3	3	3
H.P. BLEEDER	70	56	56	68	72	56
I.P. BLEEDER	—	6	—	—	6	
L.P. BLEEDER	9"	10"	10"	10"	9"	10"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	695	700	695	680	690	695
L.P. EXHAUST	112	110	108	110	110	110
CONDENSATE	110	108	108	106	106	106
CIRC. WATER IN	84 ~~126~~	82	82	81	81	81
CIRC. WATER OUT	94 ~~108~~	94	94	94	94	94
L.O. TO COOLERS	126	126	126	125	126	126
L.O. FROM COOLERS	108	108	108	108	108	108
TEMPERATURE THRUST BEARING	118	118	118	118	118	117
FORWARD H.P. ROTOR BEARING	130	130	130	130	130	130
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D) — AFT. H. P. ROTOR BEARING	138	140	140	137	140	137
FORWARD L. P. ROTOR BEARING	135	135	132	132	132	132
AFT. L.P. ROTOR BEARING	130	135	135	130	135	135
HOTTEST GEAR BEARING FORWARD	154	155	154	150	155	154
HOTTEST GEAR BEARING AFT	147	145	146	145	145	147
AUX. COND. CONDENSATE	115		115	115		112
1ST STAGE FEED WATER HEATER	166	164	166	164	166	164
D. C. FEED WATER HEATER	238	240	235	238	242	238
~~3RD STAGE FEED WATER HEATER~~ H.P. / L.P.	.050 ~~.100~~	—	—	—		
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P/S	190/185	190/180	195/180	190/180	195/170	190/150
F. O. BACK PRESSURE P/S	10/10	11/11	9/8	10/9	15/14	12/10
AIR TO FURNACE P/S	5.2/6.4	6.0/6.0	6.0/5.6	5.4/5.8	6.0/6.0	5.4/6.4
~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
MAIN STEAM	440	435	435	435	435	435
BOILER PARTICULARS — PRESSURES — SUPER HEAT	695	700	695	680	690	695
F.O. TO BURNERS P/S	165/165	165/165	162	165/165	160/160	162/165
F.O. TEMP. IN SETTLING TANKS P/S	85/85	85/85	85/83	83/85	85/85	80/80
PORT BOILER UPTAKE	342	325	326	335	335	323
STBD. BOILER UPTAKE	320	315	312	315	315	315
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	93	92	91	91	90	91
FIRE ROOM TEMPERATURE	93	92	91	91	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	53/70	53/70	53/70	53/70	53/70	< 3/16
CO_2 % PORT BOILER					15%	
CO_2 % STBD. BOILER					15%	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	440	695	9	120	110		62	750	750	230
	2	1200	440	695	7	136	122		58	700	700	230
1600 TO 2000	1	1200	435	700	9	120	110		62	500	500	230
	2	1200	435	700	7	136	122		58	1000	950	230
2000 TO 2400	1	1200	435	695	9	120	110		62	600	600	230
	2	1200	435	695	7	136	122		58	750	750	230
2400 TO 0400	1	1200	435	680	9	120	110		62	700	700	230
	2	1200	435	680	7	136	122		58	600	600	230
0400 TO 0800	1	1200	435	690	9	120	110		62	500	500	230
	2	1200	435	690	7	136	122		58	950	950	230
0800 TO 1200	1	1200	435	695	9	120	110		62	750	750	230
	2	1200	435	695	7	136	122		58	700	700	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10384980	BOILER WATER	ON HAND AT START OF DAY	326
	METER PREVIOUS NOON	10369680		EVAPORATED OR RECEIVED	7
	CONSUMED BY METER	15730		ON HAND	292
	ON HAND AT START OF DAY	11,734		CONSUMED	41
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	3040
	EXPENDED DURING DAY	738		RECEIVED	-0-
	REMAINING ON BOARD	10,996		ON HAND	3020
DOMESTIC WATER	ON HAND AT START OF DAY	1165		CONSUMED	20
	EVAPORATED OR RECEIVED	69	DIESEL OIL		1465
	ON HAND	1120	ON HAND		1463
	CONSUMED	54	CONSUMED		2

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	3 2/3	3 2/3	3 2/3	4

SUMMARY

RUNNING TIME	1380	PERCENT OF SLIP	POS. 10.04
DETENTION TIME	—	BBL FUEL/MI	1.65 1.48
TOTAL REVOLUTIONS	AVG. 133,645	WIND DIRECTION	100
AVERAGE R.P.M.	96.8	STATE OF SEA	4' SWELL
TOTAL MILES BY ENGINE	488	STATE OF WEATHER	75°
TOTAL MILES BY OBSERVATION	448		

FROM-2210 TO ED-4806

REMARKS

1200-1600 WATCH
UNDERWAY ON 18 NOZZ MACH. INOPERATION #1&2 BOILERS. 1&2 FD BLOWERS 1&2 F.O.S. PMPS 1&2 MN FEED PMPS. MAIN AIR COMPRESSOR. MN+ AUX AIR EJECTORS. MN+ AUX FIRE PMPS. MN+ AUX COND PMPS. 1&2 AUX GENERATORS. FIRE+ SAN PUMPS A.C. UNIT. L.O. PURIFIER L.O.S. PUMP. PORT STEERING GEAR. Tested OVERSPEED TRIP & LOW L.O. ALARM ON MN TURBINE & THRUST. SECURED #1 L.P. EVAP @ 1319. Checked Steering E.R. GEAR. pumped Bilges. Lit off #1 L.P. EVAP @ 1530 Made Routine Rounds on Mach & ENG:S SPACES.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Steaming as before on 18 NOZZ. 1555 to 1618 blew tubes on #1 + 2 boilers. 1710 Cruising Condition set. Changed bottom burner in #1+2 boilers. shifted F.O. Disch. strainer to #2 Boiler. Checked S.E. Room. Routine inspection of operating machinery. Added 3 gal. oil to #1 and 2 gal. oil to #2 feed pump. Pumped out bilges and Cargo holes.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH
STEAMING ON 18 NOZZLES; PUMPED UP SETTLERS FROM #4 P+S DB.; BAD LEAK IN OVERHEAD PIPING IN SETTLERS, JR. CHECKED, CALLED PLUMBER @ 2220; #1+2 GEN. L.O. STRAINERS CHANGED AND CLEANED. JR. CHECKED STEERING GEAR AND TOOK WATER SOUNDINGS; MADE ROUNDS AND CHECKED ALL RUNNING MACH; ADVANCED CLOCKS 20 MIN. @ 2240.

WATCH ENGR'S SIGNATURE- T Edwards

2400-0400 WATCH
UNDERWAY ON 18 NOZZ MACH AS BEFORE. Changed & Cleaned Center F.O. BURNERS & Stbd disch. STRAINER. Advanced Clocks 20 mins. @0100. Daily test of Stby L.O. pump FOR 1-hr. Shifted & Cleaned MAIN L.O. disch. STRAINER. pumped Bilges. Checked Steering E.R. GEAR. Added 3 GALS. L.O. to #1 MAIN FEED PUMP. Shifted F.O. Suct to PORT INBd Sett @0330. Made Routine INSPECTIONS of MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Steaming as before on 18 NOZZ. shifted and Cleaned main L.O. strainer. 0405 Advanced Clocks (20 min) Changed bottom burner on #1+2 boilers. shifted F.O. Disch strainer to #2 boiler. slip ring brushes sparking excessively on #2 Generator. At 063 had Evap man service scaling process until leak on Brine suction line can be fixed. 0705 Cruising Condt. Modified. routine inspections of machinery and spaces. Added 2 gal. oil to #1 feed pump.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH
STEAM ON 18 NOZZLES; BLEW TUBES @ 0810; PUMPED UP SETTLERS FROM #4 P+S; CHANGED + CLEANED TOP F.O. BURNERS; CHANGED + CLEANED #1 + #2 GEN. L.O. STRAINERS, TESTING WATER TIGHT DOORS @ 0930; JR. CHECKED STEERING GEAR, MADE ROUNDS AND CHECKED ALL RUNNING MACH; HEAT ON #5 P+S DB.

WATCH ENGR'S SIGNATURE- T Edwards

CHIEF ENGINEER

BOILER WATER READINGS

STBD	PORT
HOURS	HOURS 621
AKL 8.18	AKL 6.84
T-AKL 12.85	T-AKL 12.11
SAL. 4.14	SAL. 4.56
PHOS. .55	PHOS. .34
R.ph 10.0	R.ph 10.

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John POPE TPP-110	6-A	Qui Nhon	OAKLAND Calif	P2-S2-R2	12-21-22-66

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	240	240
	DETENTION TIME						
	REVOLUTION COUNTER (END OF WATCH)	1766 7070	1769 6680	1771 4290	1773 8040	1776 1610	1778 3760
	TOTAL REVOLUTIONS (FOR WATCH)	23700	23610	22530	23750	23570	23350
	AVERAGE RPM	98.7	99.3	98.8	98.9	98.2	98.1
	F.O. METER (END OF WATCH)	1038 7830	1039 0570	1039 3340	1039 6160	1039 8850	1040 1610
	F.O. CONSUMED	2850	2740	2770	2820	2690	2760
PRESSURES	THROTTLE	435	435	435	435	440	435
PRESSURES	H.P. AHEAD	430	430	435	435	440	435
PRESSURES	L.P. AHEAD	26	26	26	26	27	27
PRESSURES	VACUUM	28.2"	28.2"	28.4"	28.4"	28.5	28.4"
PRESSURES	L.O. TO TURBINES	12	12	12	12	12	12
PRESSURES	AUX. STEAM	135	140	140	140	135	140
PRESSURES	BACK PRESSURE	9	9	8	9	9	9
PRESSURES	GLAND STEAM	2.5	2.5	3	2.5	3	3
PRESSURES	H.P. BLEEDER	70	76	55	70	66	55
PRESSURES	I.P. BLEEDER		6			6	
PRESSURES	L.P. BLEEDER	10"	9"	11"	11"	9"	11"
TEMPERATURES	STEAM AT THROTTLE	680	700	700	690	685	695
TEMPERATURES	L.P. EXHAUST	108	110	106	105	110	113
TEMPERATURES	CONDENSATE	104	106	106	102	105	105
TEMPERATURES	CIRC. WATER IN	79	80	79	77	76	75
TEMPERATURES	CIRC. WATER OUT	92	92	92	90	90	90
TEMPERATURES	L.O. TO COOLERS	126	126	126	126	126	126
TEMPERATURES	L.O. FROM COOLERS	109	108	106	108	109	108
TEMPERATURES	TEMPERATURE THRUST BEARING	117	118	117	118	118	118
TEMPERATURES	FORWARD H.P. ROTOR BEARING	130	130	130	130	130	130

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	135	140	135	136	140	140
TEMPERATURES (CONT'D)	FORWARD L. P. ROTOR BEARING	132	132	132	132	132	132
TEMPERATURES (CONT'D)	AFT. L.P. ROTOR BEARING	130	135	133	130	135	130
TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD	150	155	154	150	155	150
TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING AFT	145	145	147	145	145	145
TEMPERATURES (CONT'D)	AUX. COND. CONDENSATE	115		115	115	11	115
TEMPERATURES (CONT'D)	1ST STAGE FEED WATER HEATER	162	164	164	162	162	164
TEMPERATURES (CONT'D)	D. C. FEED WATER HEATER	238	240	238	237	240	238
TEMPERATURES (CONT'D)	~~2ND STAGE FEED WATER HEATER~~ BOILER HP / LP	.050 / 100	—	—	—		
BOILER PARTICULARS	F.O. TO BURNERS P/S	185/180	190/175	185/180	185/175	190/180	195/175
BOILER PARTICULARS	F. O. BACK PRESSURE P/S	10/10	12/10	9/7	10/10	14/11	12/10
BOILER PARTICULARS	AIR TO FURNACE P/S	5.2/6.0	6.2/6.7	6.5/6.8	5.8/6.2	5.0/6.0	5.2/6.0
BOILER PARTICULARS	SALINITY UPTAKE	.41	.41	.41	.41	.41	.41
BOILER PARTICULARS	MAIN STEAM	435	435	435	435	440	435
BOILER PARTICULARS	SUPER HEAT	680	700	700	690	685	695
BOILER PARTICULARS	F.O. TO BURNERS P/S	165/165	165/160	165	165/165	170/165	160
BOILER PARTICULARS	F.O. TEMP. IN SETTLING TANKS P/S	89/90	90/90	90/87	88/88	88/88	90/90
BOILER PARTICULARS	PORT BOILER UPTAKE	325	325	335	335	330	327
BOILER PARTICULARS	STBD. BOILER UPTAKE	320	320	322	325	325	320
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	91	90	88	88	88	88
MISCELLANEOUS	FIRE ROOM TEMPERATURE	91	90	88	88	88	88
MISCELLANEOUS	NOZZLES IN USE	18	18	18	18	18	18
MISCELLANEOUS	NO. OF BURNERS IN USE	6	6	6	6	6	6
MISCELLANEOUS	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
MISCELLANEOUS	CO_2 % PORT BOILER						
MISCELLANEOUS	CO_2 % STBD. BOILER						
MISCELLANEOUS	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	435	680	9	120	110		62	750	750	230
	2	1200	435	680	7	136	122		58	700	700	230
1600 TO 2000	1	1200	435	700	9	120	110		62	1000	1000	230
	2	1200	435	700	7	134	122		58	500	500	230
2000 TO 2400	1	1200	435	700	9	120	110		62	900	900	230
	2	1200	435	700	7	134	122		58	500	500	230
2400 TO 0400	1	1200	435	690	9	120	110		62	700	700	230
	2	1200	435	690	7	134	122		58	650	650	230
0400 TO 0800	1	1200	435	685	9	120	110		62	500	600	230
	2	1200	435	685	7	134	122		58	1000	1000	230
0800 TO 1200	1	1200	435	695	9	120	110		62	750	750	230
	2	1200	435	695	7	134	120		58	650	650	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1040/610	BOILER WATER: ON HAND AT START OF DAY	292
FUEL OIL	METER PREVIOUS NOON	1038/980	BOILER WATER: EVAPORATED OR RECEIVED	30
FUEL OIL	CONSUMED BY METER	16630	BOILER WATER: ON HAND	282
FUEL OIL	ON HAND AT START OF DAY	10,996	BOILER WATER: CONSUMED	40
FUEL OIL	RECEIVED DURING DAY	-0-	LUBE OIL: ON HAND AT START OF DAY	3020
FUEL OIL	EXPENDED DURING DAY	752	LUBE OIL: RECEIVED	-0-
FUEL OIL	REMAINING ON BOARD	10,244	LUBE OIL: ON HAND	3010
DOMESTIC WATER	ON HAND AT START OF DAY	1120	LUBE OIL: CONSUMED	10
DOMESTIC WATER	EVAPORATED OR RECEIVED	63	DIESEL OIL	1463
DOMESTIC WATER	ON HAND	1115	ON HAND	1460
DOMESTIC WATER	CONSUMED	68	CONSUMED	3

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	2 2/3

SUMMARY

RUNNING TIME	1440	PERCENT OF SLIP	Pos. 9.9
DETENTION TIME	—	BBL FUEL/MI	1.46 / 1.62
TOTAL REVOLUTIONS AVG.	138160	WIND DIRECTION	Bine
AVERAGE R.P.M.	93.9	STATE OF SEA	Smooth
TOTAL MILES BY ENGINE	515	STATE OF WEATHER	70°
TOTAL MILES BY OBSERVATION	464		

FROM - 2674 TO 60-4472

REMARKS

1200-1600 WATCH
UNDERWAY ON 18 NOZZ. MACH INOPERATION. 1&2 BOILERS 1&2 F.D. BLOWERS. 1&2 F.O.S. PMPS. 1&2 MN.F.P. PMPS. MAIN AIR COMPRESSOR. MN&AUX AIR EJECTORS. MN&AUX CIRC PMPS. MN&AUX COND. PUMPS. 1&2 AUX GENERATORS. A.C. UNIT. L.O. PURIFIER. L.O. SERVICE PUMP. PORT STEERING GEAR. Tested overspeed trip LOW L.O. ALARM ON MN Turbine & Thrust. Checked steering ER. GEAR PUMPED Bilges. Weekly test of EMERGENCY Equipment & SAFETY DEVICES Added 3-GALS L.O. to #1 MAIN Feed PUMP. Made ROUTINE INSPECTIONS of MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Steaming as before on 18 Nozz. 1555 to 1620 blew tubes on #1 & 2 boilers. 1735 Condition Cruising Set. Changed bottom burner in #1 & 2 boilers. Shifted and Cleaned F.O. Disch strainer to #2 boiler. Checked all operating mach. and S.E. room. Pumped bilges and Cargo holes. Added 2 gal. oil to #1 feed Pump.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH
STEAMING ON 18 NOZZLES; CHANGED AND CLEANED F.O. SUCT. STRAINER; CHANGED AND CLEANED #1 & #2 GEN. L.O. STRAINERS; COMBINED PLANT @ 2200; MADE ROUNDS AND CHECKED ALL RUNNING MACH; PUMPED UP SETTLERS FROM #4 &; AUX. COND. & AUX. CIRC. PUMPS, AUX. AIR EJECTOR SECURED; JR. CHECKED STEERING GEAR AND TECH WATER SOUNDINGS. PUMPED BILGE HOLDS #1 & 2 & 3 & 4 P & #4 S.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
UNDERWAY ON 18 NOZZ. MACH AS BEFORE. Changed & Cleaned CENTER F.O. BURNERS & stbd disch. STRAINER. DAILY test of stby L.O. FOR 1-HR. Shifted & cleaned main L.O. disch STRAINER. Held ENGS CASUALTY drill B-9 BOILER CASING EXPLOSION WHILE Lighting off With LITTLE OR NO FORCED DRAFT. WATCH INST. & Bridge Notified 0100-0120. Checked STEERING ER. GEAR. PUMPED Bilges. Shifted F.O. Suct to Port inbd Suct @ 0245 Added 2-GALS L.O. to #1 MN Feed PUMP. Made ROUNDS ON MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Steaming as before on 18 Nozz. with the Plant Cross Connected. Shifted & Cleaned main L.O. strainer. Changed bottom burner on #1 & 2 boilers. 0500 to 0530 held fire room Casualty Drill B-9, Boiler Casing explosion while lighting off with little or no forced draft. watch inst. Bridge notified. 0620 Cruising Condition modified. Checked all operating mach. insp. S.E. room. Added 2 gal. oil back to #1 & 2 feed Pumps. Pumped bilges.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH
STEAMING ON 18 NOZZLES; BLOW TUBES @ 0810; STEERING CASUALTY DRILL @ 0903 ON STDBY; SECURED FROM DRILL @ 0922; PUMPED SETTLERS FROM #4 &; CHANGED AND CLEANED TOP F.O. BURNERS; CASUALTY DRILL B-9, BOILER CASING EXPLOSION, WHILE LIGHTING OFF WITH LITTLE OR NO FORCED DRAFT, 4 MEN PRESENT, BRIDGE NOTIFIED. 1000 — 1020; LUBE OIL IN DRAIN INSPECTION TK. AND CONT. DRAIN TK. SECURED PURIFIER @ 1040, DRAIN TO BILGE OPEN ON CONT. DRAIN TK. JR CHECK STEERING GEAR; MADE ROUNDS RUNNING MACH CHECKED. 3 GALS. L.O. #3 TO PUMP

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STBD	PORT
HOURS 818	HOURS 621
AKL 7.59	AKL 9.93
T-AKL 12.26	T-AKL 14.60
SAL. 4.97	SAL. 4.14
PHOS. .50	PHOS. .40
R.ph 10	R.ph 10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-A	QUI NHON	OAKLAND CALIF	P2-S2-R2	12-22-23-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1780 8920	1783 2590	1785 4280	1787 6060	1789 7430	1792 0980
TOTAL REVOLUTIONS (FOR WATCH)	23760	23670	21690	21780	21370	23550
AVERAGE RPM	99.0	98.6	98.6	99.0	97.1	98.1
F.O. METER (END OF WATCH)	1040 4430	1040 7150	1040 9570	1041 1990	1041 4270	1041 6840
F.O. CONSUMED	2820	2720	2420	2420	2280	2570
MACHINERY PARTICULARS — PRESSURES — THROTTLE	438	435	440	440	435	435
H.P. AHEAD	430	430	440	440	435	430
L.P. AHEAD	26	27	23	23	22	24
VACUUM	28.4	28.5	28.4"	28.6"	28.5"	28.4
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	140	140	140	140	140	135
BACK PRESSURE	9	9	9	9	9	5
GLAND STEAM	3.0	3	3	3	2	3
H.P. BLEEDER	70	76	70	70	66	56
I.P. BLEEDER		6			6	
L.P. BLEEDER	11"	9"	12"	12.5"	9"	12"
TEMPERATURES — STEAM AT THROTTLE	680	690	685	670	685	690
L.P. EXHAUST	105	105	103	101	105	107
CONDENSATE	100	102	100	96	98	104
CIRC. WATER IN	75	76	73	72	76	75
CIRC. WATER OUT	88	90	86	84	88	86
L.O. TO COOLERS	125	126	126	127	127	126
L.O. FROM COOLERS	108	108	108	109	108	108
TEMPERATURE THRUST BEARING	118	118	117	118	118	118
FORWARD H.P. ROTOR BEARING	130	130	128	130	130	130

	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	135	140	135	138	140	135
FORWARD L. P. ROTOR BEARING	132	135	131	135	135	134
AFT. L.P. ROTOR BEARING	130	130	130	128	130	130
HOTTEST GEAR BEARING FORWARD	152	155	155	155	155	162
HOTTEST GEAR BEARING AFT	147	148	147	148	148	146
AUX. COND. CONDENSATE	112		110	105	—	115
1ST STAGE FEED WATER HEATER	160	164	160	158	156	156
D. C. FEED WATER HEATER	238	240	240	240	240	235
~~2ND STAGE FEED WATER HEATER~~ RADS H.P.	.050	—	—	—		
~~2ND STAGE FEED WATER HEATER~~ RADS L.P.	168					
BOILER PARTICULARS — PRESSURES — F.O. TO BURNERS P/S	195/185	200/180	180/160	170/165	170/170	175/165
F. O. BACK PRESSURE P/S	10/10	14/11	5	8/8	15/14	12/11
TEMPERATURES — AIR TO FURNACE P/S	5.6/6.2	5.2/6.0	4.2/4.7	4.2/4.6	4.2/5.3	5.0/5.4
SALINITY UPTAKE	.41	.41	.41	.41	.41	
MAIN STEAM	435	435	440	440	435	435
TEMPERATURES — SUPER HEAT	680	690	685	670	685	690
PRESSURES — F.O. TO BURNERS P/S	160/160	160/160	160/165	160/160	160/160	180/175
F.O. TEMP. IN SETTLING TANKS P/S	82/82	82/82	85/107	85/105	85/105	98/105
TEMPERATURES — PORT BOILER UPTAKE	330	330	325	335	330	320
STBD. BOILER UPTAKE	315	315	310	310	320	310
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	87	86	84	83	84	86
FIRE ROOM TEMPERATURE	87	86	84	83	84	86
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					14 1/2%	
CO_2 % STBD. BOILER					15%	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	435	680	9	113	108		62	750	750	230
	2	1200	435	680	7	132	120		58	700	700	230
1600 TO 2000	1	1200	435	690	9	116	108		62	500	500	230
	2	1200	435	690	7	132	120		58	950	950	230
2000 TO 2400	1	1200	440	685	9	118	109		62	600	600	230
	2	1200	440	685	7	132	120		58	750	750	230
2400 TO 0400	1	1200	440	670	9	116	106		62	650	650	230
	2	1200	440	670	7	134	120		58	600	600	230
0400 TO 0800	1	1200	435	685	9	118	110		62	500	500	230
	2	1200	435	685	7	132	118		58	750	750	230
0800 TO 1200	1	1200	435	690	9	118	110		62	1250	1300	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1041/6840
	METER PREVIOUS NOON	1040/1610
	CONSUMED BY METER	1230
	ON HAND AT START OF DAY	10244 ~~1115~~
	RECEIVED DURING DAY	-0-
	EXPENDED DURING DAY	698
	REMAINING ON BOARD	9546
DOMESTIC WATER	ON HAND AT START OF DAY	1115
	EVAPORATED OR RECEIVED	45
	ON HAND	1099
	CONSUMED	61

BOILER WATER	ON HAND AT START OF DAY	282
	EVAPORATED OR RECEIVED	32
	ON HAND	272
	CONSUMED	42
LUBE OIL	ON HAND AT START OF DAY	3010
	RECEIVED	-0-
	ON HAND	3000
	CONSUMED	10
DIESEL OIL	ON HAND	1460
	CONSUMED	1457
		3

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
2 1/2	4	~~4~~ 3 2/3	3 2/3	3 2/3	4

SUMMARY

RUNNING TIME	1380	PERCENT OF SLIP	POS. 13.0
DETENTION TIME	—	BBL FUEL/MI	1.60 1.39
TOTAL REVOLUTIONS	134010	WIND DIRECTION	315°
AVERAGE R.P.M.	97.1	STATE OF SEA	LONG SWELLS
TOTAL MILES BY ENGINE	500	STATE OF WEATHER	69°
TOTAL MILES BY OBSERVATION	435		

FROM 3109 TO 60-4007

REMARKS

1200-1600 WATCH
UNDERWAY ON 18 NOZZ MACH IN OPERATION 1&2 BOILERS. 1&2 FD. BLOWERS 1&2 F.O.S. PMPS. 1&2 MN FD. PMPS. MN AIR COMPRESSOR. MAIN AIR EJECTOR MN CIRC & COND PMPS. L.O.S. PMP. FIRE & SAN PUMP. A.C. UNIT. 1&2 AUX GENERATORS. AUX AIR EJECTOR AUX CIRC & COND PUMPS OVER to MAIN. PORT STEERING GEAR. Tested overspeed trip LOW L.O. ALARM ON MN TURBINE & THROTT. STEERING CASUALTY drill @1307 SECURED @1321 STBY @1308 HH @1321 STARTED L.O. PURIFIER @1330 Checked heater RETURNS FOR OIL. FLUSHED out Cont drain tks TRACES of oil. Added 2 GALS L.O. to 1 MAIN FEED PMP.
SEC #1 LP EVAP @1530 FOR REPAIRS.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Steaming as before on 18 NOZZ. 1535 to 1621 blew tubes on #1 & 2 boilers. 1603 Port steering motor alarm sounded. Notified Bridge sent Jr. Eng. to S.E. to check trouble. 1607 stby. 1608 Port steering motor back on line, Jr. Eng. reported back the Ch. Engr. holding steering casualty drill. 1620 HH at 1620 secured S.E. Drill. 1658 Cruising Conditions Set. at 1627 started #1 LP Evaps. 1730 Cut LP Drain Tank back into system.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH
STEAMING ON 18 NOZZLES; PUMPED UP INBD SETT. FROM #5 P+S DB; CHANGED OVER TO OUTBD SETTLER @ 2000; SECURED AIR-CONDITIONING UNIT 2040; 2 GALS L.O. ADDED #2 FD. PMP.; TESTED FRESH WATER PUMP 30 MIN; FLUSHED OUT FRESH WATER TANK; CHECKED OUT FIRE EQUIPMENT. JR. CHECKED STEERING GEAR AND TOOK WATER SOUNDINGS; ADVANCED CLOCKS 30 MIN @ 2240; MADE ROUNDS AND CHECKED ALL RUNNING MACH.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
UNDERWAY ON 18 NOZZ MACH AS Before. Changed & Cleaned CENTER F.O. BURNERS & Stbd disch. STRAINER. Advanced CLOCKS 20 MINS @ 0100. DAILY test of Stby L.O. PUMP FOR 1-hr. Shifted & Cleaned MAIN L.O. disch STRAINER. Checked steering E.R. GEAR. Pumped BILGES. Added 2 GALS L.O. to #1 MAIN Feed PUMP. Shifted F.O. suct. to PORT INBD Sett @0335 Made ROUTINE ROUNDS ON MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Steaming as before on 18 NOZZ. 0445 advanced Clocks (20 min) Changed bottom burner on #1 & 2 boilers. Checked all operating mach. insp. S.E. Room. shifted and Cleaned F.O. disch. strainer to #2 boiler. #2 main feed Pump has slapping noise 0630 started Emergency feed Pump to #2 boiler at slow speed in order to slow down #2 main F.W. Pump. 0710 Cruising Cond. Modified. added 1 gal. oil E.A. to Port & stbd. feed Pump.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH
STEAMING ON 18 NOZZLES; BLEW TUBES @ 0900; PUMPED UP SETTLERS FROM #5 PTS DB; CHANGED + CLEANED TOP F.O. BURNER; SECURED #2 GEN. @ 0935; CLEANED L.O. STRAINER #1 GEN; JR CHECKED STEERING GEAR; MADE ROUNDS AND CHECKED ALL RUNNING MACH; REPLACED 3 FIRE HOSES; 1½ GALS L.O. #2 MN FEED PUMP; PUMPED BILGES.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 842	HOURS 6465
AKL 7.59	AKL 8.18
T-AKL 12.26	T-AKL 13.43
SAL. 3.31	SAL. 4.14
PHOS. 35	PHOS. 50
R.ph 10	R.ph 10

CHIEF ENGR'S SIGNATURE- [illegible]