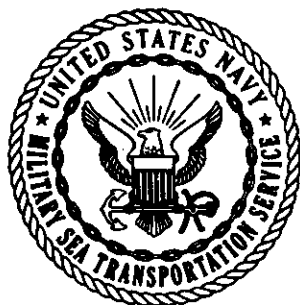


#1

ENGINE ROOM LOG

GEARED TURBINE DRIVE



USNS John Pope

FROM Sept 1 1966 TO Sept 30 1966

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.

WATCH							WATCH						
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)													
F.O. CONSUMED													
MACHINERY PARTICULARS	PRESSURES	THROTTLE					MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING				
		H. P. AHEAD							FORWARD L. P. ROTOR BEARING				
		L. P. AHEAD							AFT. L. P. ROTOR BEARING				
		VACUUM							HOTTEST GEAR BEARING FORWARD				
		L.O. TO TURBINES							HOTTEST GEAR BEARING AFT				
		AUX. STEAM							AUX. COND. CONDENSATE		100/96	100/100	100
		BACK PRESSURE							1ST STAGE FEED WATER HEATER		102	104	104
		GLAND STEAM							D. C. FEED WATER HEATER		240	240	240
		H. P. BLEEDER							3RD STAGE FEED WATER HEATER				
		I. P. BLEEDER											
		L. P. BLEEDER											
	TEMPERATURES	STEAM AT THROTTLE						PRESSURES	F.O. TO BURNERS		260	260	150
		L. P. EXHAUST							F. O. BACK PRESSURE		10	10	10
		CONDENSATE							AIR TO FURNACE		102	102	105
		CIRC. WATER IN							UPTAKE		225	235	
		CIRC. WATER OUT							MAIN STEAM				
		L.O. TO COOLERS							SUPER HEAT				
		L.O. FROM COOLERS							F.O. TO BURNERS		260	280	280
		TEMPERATURE THRUST BEARING							F.O. TEMP. IN SETTLING TANKS		74/74	74/74	
		FORWARD H. P. ROTOR BEARING							PORT BOILER UPTAKE				
									STBD. BOILER UPTAKE		225	235	235
MISCELLANEOUS	ENGINE ROOM TEMPERATURE						MISCELLANEOUS	ENGINE ROOM TEMPERATURE			73	72	80
	FIRE ROOM TEMPERATURE							FIRE ROOM TEMPERATURE			73	72	80
	NOZZLES IN USE							NOZZLES IN USE					
	NO. OF BURNERS IN USE							NO. OF BURNERS IN USE			1	1	1
	BURNER TIP SIZE							BURNER TIP SIZE			53/60	53/60	53/60
	CO ₂ % PORT BOILER							CO ₂ % PORT BOILER			9.0	9.0	
	CO ₂ % STBD. BOILER							CO ₂ % STBD. BOILER					
	OIL LEVEL MAIN SUMP							OIL LEVEL MAIN SUMP					10"

GENERATORS													FUEL - WATER AND LUBE OIL					
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	FUEL OIL		BOILER WATER		LUBE OIL	
1200 TO 1600													METER AT NOON			ON HAND AT START OF DAY	250	
													METER PREVIOUS NOON			EVAPORATED OR RECEIVED	—	
													CONSUMED BY METER			ON HAND	240	
													ON HAND AT START OF DAY	13865		CONSUMED	10	
													RECEIVED DURING DAY	4881		ON HAND AT START OF DAY	5706	
													EXPENDED DURING DAY	50		RECEIVED	—	
													REMAINING ON BOARD	18696		ON HAND	5700	
1600 TO 2000													ON HAND AT START OF DAY	810		CONSUMED	6	
													EVAPORATED OR RECEIVED	—				
													ON HAND	780				
													CONSUMED	30				
2000 TO 2400													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
2400 TO 0400	1	1220	440	550	9	117	111		62	900	900	240						
	2	1220	440	550	7	134	118		54	900	900	240						
0400 TO 0800	1	1220	440	550	9	119	110		62	1000	1000	240	SUMMARY					
													RUNNING TIME			PERCENT OF SLIP		
													DETENTION TIME			BBL FUEL/MI		
	2	1220	440	550	7	134	117		53	1000	1000	240	TOTAL REVOLUTIONS			WIND DIRECTION		
0800 TO 1200	1	1200	440	550	9	119	110		62	1100	1100	240	AVERAGE R.P.M.			STATE OF SEA		
	2	1200	440	550	9	134	118		53	1100	1100	240	TOTAL MILES BY ENGINE			STATE OF WEATHER		
													TOTAL MILES BY OBSERVATION					

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Machinery in operation B-1, P-2-G-1 & G-2 F.O. pump #1 aux circ. & aux. cond. pump. @ 0055 Permission received from N.S.C. security police to blow tubes. @ 0125 secured from blowing tubes. changed & cleaned F.O. burners. made routine rounds & inspections. bilges at safe levels - complied with standing & posted orders.

Order Sargent Jut. Stagg

WATCH ENGR'S SIGNATURE- Ellard B. Merrill R/E

0400-0800 WATCH

Machinery in operation as before. #1 & #2 gen. do not wish to stay in balance. made routine rounds & inspections. bilges at safe level, complied with standing & posted orders.

Order Sargent Jut. Stagg

WATCH ENGR'S SIGNATURE- Ellard B. Merrill R/E

0800-1200 WATCH

Machinery as before, except. Started lube oil pump to main engine @ 0820. Bilges at safe level, yard workers working on Economizers h.p. Turbine & Throttle Valve in after eng room.

WATCH ENGR'S SIGNATURE- R. Summers

CHIEF ENGINEER

Received 4881 BBLS BUNKER #6 Fuel oil at motor - Oakland 455.

BOILER WATER

FIELD FS FIVE Chasing FS.

LOANS 1444 FIVE WS - FS.

ALL ALL

T ALL T ALL

SAL. SAL.

PECS. PECS.

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

Ellard B. Merrill

WATCH							WATCH						
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME							AFT. H. P. ROTOR BEARING						
DETENTION TIME							FORWARD L. P. ROTOR BEARING						
REVOLUTION COUNTER (END OF WATCH)							AFT. L.P. ROTOR BEARING						
TOTAL REVOLUTIONS (FOR WATCH)							HOTTEST GEAR BEARING FORWARD						
AVERAGE RPM							HOTTEST GEAR BEARING AFT						
F.O. METER (END OF WATCH) 9295770 9295 9297 9297 9297							AUX. COND. CONDENSATE 100 100 100 100 100 96						
F.O. CONSUMED 390 460 320 420							1ST STAGE FEED WATER HEATER 101 181 102 102 104 109						
MACHINERY PARTICULARS	PRESSURES	THROTTLE						D. C. FEED WATER HEATER 240 240 240 240 240 240					
		H.P. AHEAD						3RD STAGE FEED WATER HEATER					
		L.P. AHEAD						F.O. TO BURNERS 150 150 150 150 150 185					
		VACUUM						F. O. BACK PRESSURE 12 12 12 12 12 12					
		L.O. TO TURBINES						AIR TO FURNACE 105 105 105 104 104 105					
		AUX. STEAM						UPTAKE					
		BACK PRESSURE						MAIN STEAM 450 450 450 450 450 4					
		GLAND STEAM						SUPER HEAT 545 545 545 545 545 550					
		H.P. BLEEDER						F.O. TO BURNERS 250 250 250 260 260 255					
		I.P. BLEEDER						F.O. TEMP. IN SETTLING TANKS					
		L.P. BLEEDER						PORT BOILER UPTAKE					
	TEMPERATURES	STEAM AT THROTTLE						STBD. BOILER UPTAKE					
		L.P. EXHAUST						ENGINE ROOM TEMPERATURE 80 80 80 72 70 75					
		CONDENSATE 100						FIRE ROOM TEMPERATURE 80 80 80 72 70 75					
		CIRC. WATER IN 68 68 68 68 69 70						NOZZLES IN USE					
		CIRC. WATER OUT 76/80 76/80 76/80						NO. OF BURNERS IN USE 1 1 1 1 1 1					
		L.O. TO COOLERS						BURNER TIP SIZE 53/60 53/60 53/60 53/60 53/60 53/60					
		L.O. FROM COOLERS						CO2 % PORT BOILER					
		TEMPERATURE THRUST BEARING						CO2 % STBD. BOILER					
		FORWARD H.P. ROTOR BEARING						OIL LEVEL MAIN SUMP 10" 10" 10" 10" 10" 10"					

GENERATORS													FUEL - WATER AND LUBE OIL							
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	FUEL OIL		BOILER WATER		LUBE OIL			
1200 TO 1600	1	1200	450		9	120	113		62	1100	1100	235	METER AT NOON		ON HAND AT START OF DAY	240				
	2	1200	450		7	134	118		54	1100	1100	235	METER PREVIOUS NOON		EVAPORATED OR RECEIVED	—				
1600 TO 2000													CONSUMED BY METER		ON HAND	230				
	1	1200	450		9	120	113		62	1100	1100	240	ON HAND AT START OF DAY	18,696	CONSUMED	10				
2000 TO 2400													RECEIVED DURING DAY	—	ON HAND AT START OF DAY	5700				
	2	1200	450		7	134	118		54	1100	1100	240	EXPENDED DURING DAY	56	RECEIVED	—				
2400 TO 0400													REMAINING ON BOARD	18,640	ON HAND	5695				
	1	1200	450		9	120	113		62	1100	1100	240	ON HAND AT START OF DAY	780	CONSUMED	5				
0400 TO 0800													EVAPORATED OR RECEIVED	—						
	2	1200	450		7	134	116		54	900	900	240	ON HAND	750						
0800 TO 1200													CONSUMED	30						
	1	1200	450		9	118	110		62	900	900	240	LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)							
	2	1200	450		7	134	114		54	1100	1100	240	L.O. CENTRIFUGE - HOURS OPERATED							
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
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

In port. Mach in operation, B1 - G1 - G2 - M1 - H1 - L1 - F1 - F52 - P2 - C1 - W1 - D1 - L.O. circulating, yard workers working on Fuel pump Controller Box, made chemical Test on aux Cond. Cleaned Fo. dish Strainer Chandel. Burners. made Rounds & insp of mach & Eng spaces. Bilges at safe level.

Oiler Diers Fwt. Wenner

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

R. Summers

Started taking on fuel @ 1600 tested stbd feed pump @ 1815
Finished taking on fuel Oil. 1900
Changed from port feed pump to stbd @ 1945
checked all mach spaces.
shore gang working

Oiler Danc. FWT Purshy Reifer Main

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

R. J. Farley R/E

checked all Mach spaces.
Bilges at safe level
shore gang working

Oiler Danc. FWT Purshy Reifer Main

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

R. J. Farley R/E

Machinery in operation as before changed & cleaned H.O.
burners. Permission denied to blow tubes made routine
rounds & inspections bilges at safe level

Oiler Sargent Fwt. Stagg

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

Edward B. Munn R/E

Machinery as before - made routine rounds & inspections
pumped bilges to safe level.

Oiler Sargent Fwt. Stagg

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

Edward B. Munn R/E

Machinery in operation as before, with exception put #1 Fire pump
on Secured #2 put #2 F.W. Pump on line Secured #1
Made Rounds & Insp of Mach Spaces. Bilges at safe level.

F.W.T. Wenner, Oiler-Diers

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

R. Summers

@ 0915 Fire Drill + Collision

0920 Started Emergency Fire pump @ 0935 Secure from Fire Drill

0938 Abandon Ship Drill

F.C. Quinn Relieved as Chief Engineer @ 1700 Hours

BOILER ROOM August-

SEAL FS PORT US-FS

HOURS 1468 POURS 5118-CL.

ASL OIL

T-VAL OIL

SAL. OIL

PMS. PMS.

R-ph R-ph

CHIEF ENGR'S SIGNATURE-

J. O'Halloran

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
General John Pope TAP-110				Alameda, Oakland Calif.				P-2-G.		2-3 Sept. 66	
WATCH											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
RUNNING TIME											
DETENTION TIME											
REVOLUTION COUNTER (END OF WATCH)											
TOTAL REVOLUTIONS (FOR WATCH)											
AVERAGE RPM											
F.O. METER (END OF WATCH)											
F.O. CONSUMED											
WATCH											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
MACHINERY PARTICULARS (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											
D. C. FEED WATER HEATER											
3RD STAGE FEED WATER HEATER											
TEMPERATURES (CONT'D)											
F.O. TO BURNERS											
F. O. BACK PRESSURE											
AIR TO FURNACE											
UPTAKE											
MAIN STEAM											
SUPER HEAT											
F.O. TO BURNERS											
F.O. TEMP. IN SETTLING TANKS											
PORT BOILER UPTAKE											
STBD. BOILER UPTAKE											
ENGINE ROOM TEMPERATURE											
FIRE ROOM TEMPERATURE											
NOZZLES IN USE											
NO. OF BURNERS IN USE											
BURNER TIP SIZE											
CO ₂ % PORT BOILER											
CO ₂ % STBD. BOILER											
OIL LEVEL MAIN SUMP											
MACHINERY PARTICULARS											
THROTTLE											
H.P. AHEAD											
L.P. AHEAD											
VACUUM											
L.O. TO TURBINES											
AUX. STEAM											
BACK PRESSURE											
GLAND STEAM											
H.P. BLEEDER											
I.P. BLEEDER											
L.P. BLEEDER											
STEAM AT THROTTLE											
L.P. EXHAUST											
CONDENSATE											
CIRC. WATER IN											
CIRC. WATER OUT											
L.O. TO COOLERS											
L.O. FROM COOLERS											
TEMPERATURE THRUST BEARING											
FORWARD H.P. ROTOR BEARING											
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											
1600 TO 2000											
2000 TO 2400											
2400 TO 0400											
0400 TO 0800											
0800 TO 1200											
FUEL - WATER AND LUBE OIL											
METER AT NOON											
METER PREVIOUS NOON											
CONSUMED BY METER											
ON HAND AT START OF DAY											
EVAPORATED OR RECEIVED											
ON HAND											
CONSUMED											
ON HAND AT START OF DAY											
RECEIVED DURING DAY											
EXPENDED DURING DAY											
REMAINING ON BOARD											
ON HAND AT START OF DAY											
EVAPORATED OR RECEIVED											
ON HAND											
CONSUMED											
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)											
L.O. CENTRIFUGE - HOURS OPERATED											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
SUMMARY											
RUNNING TIME											
DETENTION TIME											
TOTAL REVOLUTIONS											
AVERAGE R.P.M.											
TOTAL MILES BY ENGINE											
TOTAL MILES BY OBSERVATION											
PERCENT OF SLIP											
BBL FUEL/MI											
WIND DIRECTION											
STATE OF SEA											
STATE OF WEATHER											

REMARKS

1200-1600 WATCH

Machinery in operation as before. Inspected + Closed #2 Boiler
made Rounds + Insp of Mach + Eng Spaces.
Bilges at Safe level.

1600-2000 WATCH

~~Fwt - Purley~~ ^{RPS} ~~Oiler - Dance~~ ^{RPS}. Fwt. Wenner Oiler - Diers. WATCH ENGR'S SIGNATURE. *W. B. Diers*
mach as before, made Rounds + Insp of Mach + Spaces.
Bilges at Safe level.

2000-2400 WATCH

Fwt - Purley Oiler - Dance. WATCH ENGR'S SIGNATURE. *R Summers*
1803 to 2130 Sanitary service secured. - 1900 to 2200 Fresh water service
secured made Rounds + Insp of Mach + Eng spaces. Bilges at Safe level.

2400-0400 WATCH

Fwt - Purley Oiler - Dance. WATCH ENGR'S SIGNATURE. *R Summers*
@ 0045 lit fires #2 Boiler.
Intermittent Fires in same.
@ 0245 shut mn. Circ, main Cond. h.o. + Jacking Gear - W.P.O.B.
made Rounds + Insp. of Mach + Eng spaces. Bilges at Safe level.

0400-0800 WATCH

Fwt - Dandridge - Oiler - Sargent. WATCH ENGR'S SIGNATURE. *R Summers*
Boosting Fires in #2 Boiler, Vacuum on main unit
air Ej on 2nd stage, Jacking Gear engaged. @ 0704 tested Eng order
Telegraph.

0800-1200 WATCH

Fwt. Dandridge - Oiler - Sargent. WATCH ENGR'S SIGNATURE. *R Summers*
Lit off #2 Boiler @ 0810 PUT IN LINE @ 0830. Wheel Clearance permission
to test main unit. Disengaged Jacking Gear. OPEN B.S. + M.S. Staps + started Rolling
MN. ENGINE @ 0845. Stby @ 0910 CTR-0066 7410 FOM #1-2990730 #2-6809980
Shifted MN. SEA Injection to Low. Shifted FO. Suct to port outbd Settler. Dept @ 1142
CTR00735770 FOM #1-2991140 #2-6810500. Bells as per Bell Book Pumped
Bilges Made Routine Checks of ER. Mach + Spaces

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE. *George Bunnay Jr*

BOILER WATER

WS STR'D FS PWT WS - FS
5045 EGGS 2472 HOURS 5118-00.

ALL ALL
T-ALL T-ALL
SAL. SAL.
PHOS. PHOS.
R.ph R.ph

CHIEF ENGR'S SIGNATURE. *[Signature]*

							WATCH														WATCH											
							1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200								1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200							
MACHINERY PARTICULARS																																
RUNNING TIME							240	240	240	240	240	240	MACHINERY PARTICULARS (CONT'D)							AFT. H. P. ROTOR BEARING							140	140	134	140	140	140
DETENTION TIME																				FORWARD L. P. ROTOR BEARING							140	136	128	134	124	134
REVOLUTION COUNTER (END OF WATCH)							0931 3270	0933 6300	0936 1560	0938 4630	0940 7370	0942 9220	TEMPERATURES (CONT'D)							AFT. L.P. ROTOR BEARING							125	125	127	123	124	128
TOTAL REVOLUTIONS (FOR WATCH)							24520	2303	25260	23070	22740	21830								HOTTEST GEAR BEARING FORWARD							140	156	153	144	158	155
AVERAGE RPM							98.0	96.0	105	96.1	94.3	91	HOTTEST GEAR BEARING AFT							140	152	151	150	153	150							
F.O. METER (END OF WATCH)							1 2992340 2 6311850	2992330 6313160	9309 570	9311 990	9314 590	9316 980	AUX. COND. CONDENSATE							86	87	83	85	86	90							
F.O. CONSUMED							2410	2520	2860	2420	2600	2390	1ST STAGE FEED WATER HEATER							144	148	145	150	153	152							
PRESSURES							THROTTLE						450	450	450	450	450	450	D. C. FEED WATER HEATER							239	239	240	240	242	238	
							H.P. AHEAD						430	430	430	430	430	430	3RD STAGE FEED WATER HEATER													
							L.P. AHEAD						25	25	25	25	25	25	F.O. TO BURNERS							200 200	185 185	200 200	200 200	200 200	190 190	
							VACUUM						28.5	28.5	28.5	28.5	28.5	28.5	F. O. BACK PRESSURE													
							L.O. TO TURBINES						11.5	11.5	11.5	11.5	11.5	11.5	AIR TO FURNACE							1 122 2 128		122 122	123 125	5.5 4.5	5.5 5.5	
							AUX. STEAM						150	150	150	150	150	150	UPTAKE							335	295 285	300 300	296 296	280 290	280 280	
							BACK PRESSURE						10	10	10	10	10	10	MAIN STEAM PRESS.							4.70	450	450	450	450	450	
							GLAND STEAM						3.5	3.5	3	3.5	3.5	3	SUPER HEAT TEMP.							735	735 605	740 700	723 700	725 615	725 700	
							H.P. BLEEDER						96	90	90	90	80	85	F.O. TO BURNERS							200		200	200	210 210	210 210	
							I.P. BLEEDER						6	6	6	6	6	6	F.O. TEMP. IN SETTLING TANKS								100 102	100 100	104 108	105 114	108 110	
TEMPERATURES							L.P. BLEEDER						10	10	10	10	12	11	PORT BOILER UPTAKE							1 350 2 348	295	275 270	296	310	280 280	
							STEAM AT THROTTLE						700	700	700	700	700	700	STBD. BOILER UPTAKE							350	285	270	298	310	280	
							L.P. EXHAUST						93	95	95	94	95	95	ENGINE ROOM TEMPERATURE								70	68	67	74	66	
							CONDENSATE						84	87	83	86	86	86	FIRE ROOM TEMPERATURE							71	70	68	67	74	66	
							CIRC. WATER IN						60	58	59	56	58	59	NOZZLES IN USE							16	16	16	16	16	16	
							CIRC. WATER OUT						66	69	64	70	70	70	NO. OF BURNERS IN USE							6	6	6	6	6	6	
							L.O. TO COOLERS						126	127	117	125	126	125	BURNER TIP SIZE							45	45	45	45	45	45	
							L.O. FROM COOLERS						110	109	95	105	109	110	CO2 % PORT BOILER													
							TEMPERATURE THRUST BEARING						116	120	114	116	118	122	CO2 % STBD. BOILER													
							FORWARD H.P. ROTOR BEARING						127	128	120	123	123	125	OIL LEVEL MAIN SUMP							1	1	1	1	1	1	

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL						
	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	FUEL OIL		BOILER WATER		LUBE OIL		
1200 TO 1600	1	1200	450		10	105	115		55	950	850	235	METER AT NOON		ON HAND AT START OF DAY	176			
	2	1200	450		7	107	116		54	850	750	238	METER PREVIOUS NOON		EVAPORATED OR RECEIVED	48			
1600 TO 2000	1	1200	450		9	118	111		62	800	800	235	CONSUMED BY METER		ON HAND	215			
	2	1200	450		7	132	113		54	800	800	235	ON HAND AT START OF DAY	18,442	CONSUMED	9			
2000 TO 2400	1	1200	450		9	114	109		62	800	800	230	RECEIVED DURING DAY	0	ON HAND AT START OF DAY	5690			
	2	1200	450		7	132	114		54	800	800	230	EXPENDED DURING DAY	749	RECEIVED	0			
2400 TO 0400	1	1200	450		9	116	109		62	750	750	235	REMAINING ON BOARD	17693	ON HAND	5685			
	2	1200	450		7	132	114		54	750	750	235	ON HAND AT START OF DAY	900	CONSUMED	5			
0400 TO 0800	1	1200	450		9	118	110		62	850	850	235	EVAPORATED OR RECEIVED	0					
	2	1200	450		7	134	119		55	850	850	235	ON HAND	872					
0800 TO 1200	1	1200	450		9	125	114		61	800	800	235	CONSUMED	28					
	2	1200	450		8	134	120		55	800	800	235							
DOMESTIC WATER														L.O. CENTRIFUGE - HOURS OPERATED					
														1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
																2	4	4	4
SUMMARY																			
RUNNING TIME														1440	PERCENT OF SLIP		105	16.5	
DETENTION TIME														—	BBL FUEL/MI				
TOTAL REVOLUTIONS														136,106	WIND DIRECTION				
AVERAGE R.P.M.														94.5	STATE OF SEA				
TOTAL MILES BY ENGINE														508	STATE OF WEATHER				
TOTAL MILES BY OBSERVATION														424					

REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZ ENGR'S CASUALTY FIRE IN #1 MN FEED PUMP CONTROL BOX @1210 SECURED POWER TO SAME & STARTED STBY FEED PUMP CHIEF ENGR & 1ST ASST NOTIFIED. REDUCED SPEED TO 16 NOZZ ON STBD PLANT B/O CHIEF ENGR. MACH IN OPERATION #1 & 2 BOILERS #2 FA BLOWERS 1 & 2 F.O. SERVICE PUMP. #2 MN FEED & STBY FEED PUMP. #1 & 2 GENERATORS W/AUX. MN CIRC PUMP. L.O. STBY PUMP FLOATING PUMPED BILGES MADE ROUTINE INSPECTIONS OF MACH & E.R. SPACES ELECT MAKING REPAIRS ON #1 MN FEED PUMP CONTROLLER.

1600-2000 WATCH

ACOSTA. UTILITYMAN TAKING FIRE WATCH B/O CHIEF @1340

WATCH ENGR'S SIGNATURE-

Henry Bunn

UNDERWAY ON 16 NOZZLES. MACHINERY AS BEFORE. BLEW TUBES IN #1 & #2 BOILERS @ 1600. @ 1725 FINISHED PUMPING UP INBOARD AND OUTBOARD F.O. SETTLERS FROM #4 DEEP & TANK. @ 1813 STANDBY E.O.T. DUE TO POOR VISIBILITY. W.T. DOOR IN #1 E.R. INOPERATIVE BY ELECTRIC CONTROL; CLOSED BY HANDWHEEL B/O BRIDGE. MADE ROUTINE ROUNDS & INSPECTIONS. ON STANDBY E.O.T. @ END OF WATCH.

WATCH ENGR'S SIGNATURE-

William Smith

2000-2400 WATCH

STEAMING ON 16 NOZZLES, MACHINERY IN OPERATION AS BEFORE. ELECT WORKING ON #1 FEED PUMP CONTROLLER. STARTED L.O. PURIFIER PUMPED BILGES. MADE ROUTINE INSPECTIONS.

WATCH ENGR'S SIGNATURE-

Clemmons

2400-0400 WATCH

UNDERWAY ON STBY & 16 NOZZ MACH IN OPERATION AS BEFORE. PUMPED BILGES. CHECKED STEERING E.R. GEAR. SHIFTED F.O. SUET TO PORT INBD SETTLER @ 0530. ELECT CONT REPAIRS ON #1 MN FEED PUMP CONTROLLER. MADE ROUTINE INSPECTIONS OF MACH & E.R. SPACES.

WATCH ENGR'S SIGNATURE-

Henry Bunn

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES. MACHINERY AS BEFORE. @ 0418 FULL AHEAD 4 E.O.T. ELECTRICIANS WORKING ON #1 MAIN FEED PUMP. TESTED SAME @ 0600 BUT DISCHARGE VALVE GASKETS BLEW. ELECTRICIANS KNOCKED OFF AT 0615. PUMP STILL INOPERATIVE. @ 0630 HAND THROTTLE VALVE ON STANDBY FEED PUMP BROKE; UNABLE TO CLOSE. CONTROLLING FEED PUMP BY ROOT STEAM VALVE. PUMPED UP OUTBOARD F.O. SETTLER FROM #4 DEEP & TANK. MADE ROUTINE ROUNDS AND INSPECTIONS. MAIN CONDENSATE CHLORIDE TEST - .4 GPG.

WATCH ENGR'S SIGNATURE-

William Smith

0800-1200 WATCH

UNDERWAY 16 NOZZLES. MACHINERY IN USE AS BEFORE. PUMPED BILGES. ROUTINE INSP OF ALL OPERATING EQUIPMENT. CHECKED STEERING ENGINE ROOM. STANDBY @ 0829 FULL AHEAD @ 1042

COND chl .4 GPG

WATCH ENGR'S SIGNATURE-

Clemmons

CHIEF ENGINEER

BOILER WATER

SERIAL F5 PORT W5-F5

RINGS 2576 RINGS 5142-24

ALZ ALZ

T-ALZ T-ALZ

SAL. SAL.

PHOS. PHOS.

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

William Smith

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
Gen John Pope TAP-110		5A		N.A.S. Alameda		CALIF		P-2-G		4-5-Sept 66			
		WATCH						WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	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)		0945 1170	0947 3690	0949 6210	0951 4500	0952 8320	0954 5220						
TOTAL REVOLUTIONS (FOR WATCH)		21970	22520	22520	18400	13850	16890						
AVERAGE RPM		91.5	93.8	93.8	76.7	57.6	70.3						
F.O. METER (END OF WATCH)		9519 480	9321 220	9323 800	9325 230	9329 540	9329 860						
F.O. CONSUMED		2500	1740	2680	2450	1310	2320						
		WATCH						WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
AFT. H. P. ROTOR BEARING		159	138	134		125							
FORWARD L. P. ROTOR BEARING		132	132	132		123							
AFT. L. P. ROTOR BEARING		130	128	125		117	9						
HOTTEST GEAR BEARING FORWARD		152	155	150		128	10						
HOTTEST GEAR BEARING AFT		159	150	140		126	10						
AUX. COND. CONDENSATE		88	91	92		62	10						
1ST STAGE FEED WATER HEATER		150	154	152		76							
D. C. FEED WATER HEATER		239	240	240		244	240						
3RD STAGE FEED WATER HEATER													
F.O. TO BURNERS		210	210	210		210							
F. O. BACK PRESSURE													
AIR TO FURNACE		129 132	129 132	129									
UPTAKE				285									
MAIN STEAM		450	450	750		450	650						
SUPER HEAT		745	725	440		700	650						
F.O. TO BURNERS		190	190	190									
F.O. TEMP. IN SETTLING TANKS		102 114	107 110	108 110			110 120						
PORT BOILER UPTAKE		280	285										
STBD. BOILER UPTAKE		285	285										
ENGINE ROOM TEMPERATURE		80	77	74		72	74	78					
FIRE ROOM TEMPERATURE		80	77	74		72	74	78					
NOZZLES IN USE		16	16	16		10	10	18					
NO. OF BURNERS IN USE		6	6	6		4		6					
BURNER TIP SIZE		45	45	45		45	45	45					
CO2 % PORT BOILER			12.0%										
CO2 % STBD. BOILER			12.0%										
OIL LEVEL MAIN SUMP		11	11	11		11	11	11					

REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZ. MACH. IN OPERATION #1 & 2 BOILERS 1 & 2 F.D. BLOWERS. 1 & 2 F.D. SERVICE PUMPS. #2 MN F.D. & STBY F.D. PUMP. #2 MN COND. PUMP 1 MN. CIRC PUMP 1 & 2 GENERATORS A/AUX. 1 F.W. PMP. 1 FIBERSON PUMP. L.O. PURIFIER. MNAUX AIR FILTERS 1 L.O. SERVICE PMP. MN. AIR COMPRESSOR. Filled D.W. Boiler tk. FROM #1 STD. REPAIRS COMPLETED ON #1 MN FEED PUMP CONTROLLER TESTED & PUT ON LINE DISKS APPEARS TO BE OK. CHECKED STOPPING BR. BEAR. Lit off #1 L.P. LYNP Shifted F.O. SUET to PORT OUTBD. BLEW TUBES TOPPED OFF PORT TOLD SETTLER FROM #4 & DEEP TK. MAIN COND CHLORIDE TEST .4 GPG. WATCH ENGR'S SIGNATURE. *Henry Bunney*

1600-2000 WATCH

Underway on 16 Nozzles. Machinery as before. Attended to routine maintenance work. @ 1820 Bridge reported A.C. Alarm went off; called out Chief Electrician to investigate. @ 1840 Chief Electrician reported that he switched over A.C. Units. @ 1852 Standby on E.D.T. Made routine rounds and inspections. Main Condensate Chloride Test - .4 GPG.

WATCH ENGR'S SIGNATURE. *Henry Bunney*

2000-2400 WATCH

UNDERWAY ON 16 NOZZLES. MACHINERY IN OPERATION AS BEFORE. SECURED #1 MAIN FEED PUMP & RENEWED OIVE VALVE GASKET. TELEGRAPH ON STANDBY. MADE ROUTINE INSPECTIONS. INDICIAL. STEAMING WATCH.

WATCH ENGR'S SIGNATURE. *Clemens*

CONDENSATE .4 GPG.

2400-0400 WATCH

UNDERWAY ON 16 NOZZ MACHINERY AS BEFORE. REDUCED SPEED TO 60 RPM B/O BRIDGE @ 0155 TOPPED OFF PORT F.S. SCLLERS. FROM #4 & DEEP TK. PUMPED BILGES. MANEUVERING BELLS AS PER BOOK. MADE ROUTINE INSPECTION OF MACH. & E.R. SPACES

WATCH ENGR'S SIGNATURE. *Henry Bunney*

MN CONDENSATE .4 GPG

0400-0800 WATCH

Underway on throttle only. Machinery as before. Maneuvering bells as per bell book. Chief Engineer in Engine Room from 0500 to 0800. Made routine rounds and inspections.

WATCH ENGR'S SIGNATURE. *Henry Bunney*

0800-1200 WATCH

UNDERWAY, MANEUVERING AS PER bell book. MACHINERY IN OPERATION AS BEFORE. MADE ROUTINE TESTS & INSPECTIONS. PUMPED bilges.

WATCH ENGR'S SIGNATURE. *Clemens*

COND .4 GPG.

CHIEF ENGINEER

#2 BOILER #1

8.7 - ALK. P - 6.42

12.26 - ALK. M - 8.18

1.24 - CHLOR. - 1.24

20 - SULPH. - 20

20 - PHOS. - 15

9.0 - PH. - 8.0

WS HRS. FS - HRS. - WS - FS

5166 - 48

5096 - 2540

CHIEF ENGR'S SIGNATURE. *Clemens*

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
Gen John Pope Tap-110				NA-5		ALAMEDA CALIF				9-5-6-66	

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		82													
DETENTION TIME															
REVOLUTION COUNTER (END OF WATCH)		0953													
TOTAL REVOLUTIONS (FOR WATCH)		1680													
AVERAGE RPM		78.7													
F.O. METER (END OF WATCH)		9330	9331	9331	9332	9332	9333								
F.O. CONSUMED		780	165	550	880	520	220								
F.O. CONSUMED		920	385	385	538	440	700								

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
THROTTLE		-													
H.P. AHEAD		-													
L.P. AHEAD		-													
VACUUM		25.2	25.2	25.5	25	25									
L.O. TO TURBINES		12	12	12	12	12									
AUX. STEAM		150	150	150	150	150	9								
BACK PRESSURE		10	10	10	10	10									
GLAND STEAM		3.5	3.5	3.5	3.5	3.5									
H.P. BLEEDER		-													
I.P. BLEEDER		-													
L.P. BLEEDER		-													
STEAM AT THROTTLE		-													
L.P. EXHAUST		170													
CONDENSATE															
CIRC. WATER IN		60	58	55	53	55									
CIRC. WATER OUT		65	62	58	60	59									
L.O. TO COOLERS		112	111	110	108	105									
L.O. FROM COOLERS		106	107	104	102	100									
TEMPERATURE THRUST BEARING															
FORWARD H.P. ROTOR BEARING															

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
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		75	84	84	71	70									
1ST STAGE FEED WATER HEATER		-													
D. C. FEED WATER HEATER		240	236	236	235	237									
3RD STAGE FEED WATER HEATER															
F.O. TO BURNERS		210	200	200	200	200									
F. O. BACK PRESSURE															
AIR TO FURNACE		124	130												
UPTAKE															
MAIN STEAM		450													
SUPER HEAT															
F.O. TO BURNERS		220	220	230	235	250									
F.O. TEMP. IN SETTLING TANKS		114	106	102	102	100									
PORT BOILER UPTAKE		290	330	340	345	345									
STBD. BOILER UPTAKE		260	310	320	340	340									
ENGINE ROOM TEMPERATURE		87	78	76	73	72									
FIRE ROOM TEMPERATURE		87	78	76	73	72									
NOZZLES IN USE		-													
NO. OF BURNERS IN USE		2	2	2	2	2									
BURNER TIP SIZE		60	40	40	40	40									
CO ₂ % PORT BOILER															
CO ₂ % STBD. BOILER															
OIL LEVEL MAIN SUMP		1'	1'	1'	1'	1'									

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
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															

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
METER AT NOON		933220													
METER PREVIOUS NOON															
CONSUMED BY METER															
ON HAND AT START OF DAY		17055													
RECEIVED DURING DAY		-0-													
EXPENDED DURING DAY		148													
REMAINING ON BOARD		16907													
ON HAND AT START OF DAY		842													
EVAPORATED OR RECEIVED		342													
ON HAND		1154													
CONSUMED		30													

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
L.O. CENTRIFUGE - HOURS OPERATED															
1200 TO 1600															
1600 TO 2000															
2000 TO 2400															
2400 TO 0400															
0400 TO 0800															
0800 TO 1200															

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME															
DETENTION TIME															
TOTAL REVOLUTIONS															
AVERAGE R.P.M.															
TOTAL MILES BY ENGINE															
TOTAL MILES BY OBSERVATION															

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZ. MACH IN OPERATION #1+2 BOILERS 1+2 F.A. BLOWERS 1+2
 F.O. SERVICE PUMPS 1+2 M.N. F.W. P.M.P. 1 M.N. CIRC. P.M.P. 2 M.N. COND. P.M.P. #1+2 GENERATORS W/AUX.
 L.O. PURIFIERS. M.N. AIR COMPRESSOR 1 F.A. P.M.P. 1 FIRE + SAN. P.M.P. M.N. & AUX. AIR EJECTORS 1 L.O. P.M.P.
 PART STEERING GEAR. Reduced Speed to 10 NOZZ B/O BRIDGE @ 1228 60 RPM @ 1237
 ARR. @ 1242 CTR. 09551400 FOM #1-3004750 #2-6325710. #1 M.N. FEED PUMP CONTROLLER BOX
 POWER FAILURE OVERHEATED. F.W.E @ 1320 CTR 09551680 FOM #1-3004790 #2-6325760. SEC. MS. + RS. STOPS
 + ENGAGED JACKING GEAR. 1330 SECURED #1 BOILER @ 1350 WATCH ENGR'S SIGNATURE: *George Bunney*

1600-2000 WATCH

In port watch. #1 + #2 Boilers on line. #1 + #2 Generators on line. Also
 the following equipment in service: Main Circulator, #1 Fire + Sanitary Pump, Main Air
 Compressor, Main & Aux. Air Ejectors, Main Engine on jacking gear, #2 Condensate Pump,
 Aux. Condensate Pump, #2 Main Feed Pump, Standby Feed Pump. Made routine rounds &
 inspections. Conditions normal.

Oiler Diers

F.W.T. Dandridge

WATCH ENGR'S SIGNATURE: *Wendy Smith*

2000-2400 WATCH

In port watch. Conditions as before with same machinery in operation.
 Made routine rounds and inspections. Plant normal. Compounded both boilers.

Oiler Bell

F.W.T. Lang

WATCH ENGR'S SIGNATURE: *Wendy Smith*

2400-0400 WATCH

IN PORT WATCH MACHINERY IN OPERATION AS BEFORE INSPECTED &
 CLEANED L.O. ON M.N. UNIT + #1+2 AUX GENERATORS. Bilges At Safe Level.
 Made Routine Inspections of Machinery & Engine Spaces

Oiler Goodnough

F.W.T. ~~Lang~~ ^{OCOSTA}WATCH ENGR'S SIGNATURE: *George Bunney*

0400-0800 WATCH

IN PORT WATCH MACHINERY AS BEFORE MADE ROUTINE INSPECTIONS OF
 ALL MACHINERY IN OPERATION & E.R. SPACES. Bilges At Safe Level.

Oiler Goodnough

F.W.T. OCOSTA

WATCH ENGR'S SIGNATURE: *George Bunney*

0800-1200 WATCH

IN PORT. PREPARING TO GET UNDERWAY. TESTED STEERING
 GEAR @ 0900. MANEUVERING BELLS AS PER BELL BOOK.
 TESTED MAIN ENGINE @ 1000 HRS.

WATCH ENGR'S SIGNATURE: *Clemone*

CHIEF ENGINEER

1200-1600 CONT. Lit off & Put #1 Boiler back on line @ 1430 AS ORDERS
 Shifted M.N. SEA INJECTION TO HIGH. SECURED M.N. AIR EJECTOR 1ST. STAGE. BELLS AS PER
 BELL BOOK. Made Routine Inspections of Mach. & E.R. SPACES. - *George Bunney*

#2 BOILER	#1	PORT	STBD.
11.7 - ALK. P - 11.7	WS - F5. HRS. WS - F5		
15.2 - ALK. M - 14.6	5190-72 - 5110-2564		
2.9 - CHLOR. - 2.9			
50 SULPH. - 50			
60 PHOS. - 50			
COND. PH. - 8.5			
COND. CHLOR. - .4			

CHIEF ENGR'S SIGNATURE: *Wendy Smith*

9NS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE 4/6-7/66																	
		WATCH								WATCH																	
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200				1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200	
RUNNING TIME																											
DETENTION TIME																											
EVOLUTION COUNTER (END OF WATCH)																											
TOTAL REVOLUTIONS (FOR WATCH)																											
AVERAGE RPM																											
L.O. METER (END OF WATCH)		9334 210																									
L.O. CONSUMED		990																									
PRESSURES		THROTTLE																									
		H.P. AHEAD																									
		L.P. AHEAD																									
		VACUUM																									
		L.O. TO TURBINES																									
		AUX. STEAM																									
		BACK PRESSURE																									
		GLAND STEAM																									
		H.P. BLEEDER																									
		L.P. BLEEDER																									
TEMPERATURES		STEAM AT THROTTLE																									
		L.P. EXHAUST																									
		CONDENSATE																									
		CIRC. WATER IN																									
		CIRC. WATER OUT																									
		L.O. TO COOLERS																									
		L.O. FROM COOLERS																									
		TEMPERATURE THRUST BEARING																									
		FORWARD H.P. ROTOR BEARING																									

REMARKS

1200-1600 WATCH

IN PORT, TACOMA. FW.E @ 1321.
SECURED THE PLANT @ 1330. MAIN ENGINE ON JACKING GEAR, LUBE OIL
PUMP & MAIN & AUX CIRC RUNNING.

WATCH ENGR'S SIGNATURE-

Clemson,

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

In Port, Engine room secured - Main
closed D.C. water feed water sust. valve to feed pumps.

WATCH ENGR'S SIGNATURE-

J. McDonald

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WAR

SMOKE

ENG. S. 1321 Plant Secured.

ALL

T-ALL

SAL.

PLAS.

R.ph

CHIEF ENGR'S SIGNATURE-

W. C. Quinn

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Port Watch Lit off #1 & 2 Boilers @ 0100 BLEW DOWN GAGE GLASSES
 Lit off PURIFIER @ 0200 RAISED VACUUM ON #1 & 2 GENERATOR. PUT #1 & 2 Boiler DOWN
 STARTED ROLLING #1 & 2 GENERATORS @ 0245. STARTED MAIN L.O. PUMP RECIRC L.O.
 Bilges AT SAFE LEVEL MADE ROUTINE INSPECTIONS OF MACH & E.R. SPACES.

OILER, DIERS

F.W.T. Hinds

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

Port Watch. Wheel Clearance FROM BRIDE PERMISSION TO TURN THE SCREW.
 STARTED TURNING GEAR. RAISED VACUUM ON MAIN UNIT. CHECKED OVERSPEED TRIPS
 ON #1 & 2 GENERATORS. Bilges AT SAFE LEVEL. MADE ROUTINE INSPECTIONS OF
 MACH & E.R. SPACES

OILER, NEVILLE

F.W.T. DANDRIDGE

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

Steaming as before. Main unit on turning gear with vacuum raised
 L.O. system in service. 1st A/E and Ch. Eng. tested over speed trips on #1 & 2 Turbo
 Generators. #1 Trip out at 1320 RPM. #2 Trip out at 1330 RPM. #1 & 2 idled without
 load at 1200 RPM. @ 1054 Took Elect. load on #1 & 2 turbo generators. Pumped up out board
 siller from #4 Port Pt.

Tied up to Pier in Port of Tacoma, Washington.

Hoodnough oiler, LANG, F.W. STAGG, Jr. Eng.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER

WS 5110 5/10 5/10 FS PORT-WS-FS

100-2064 100-2064 100-2064 100-2064

A. L. A. L.

T-A. L. T-A. L.

S. L. S. L.

P. L. S. P. L. S.

R. ph R. ph

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE																			
Gen John Pope Taplia		503		TACOMA, WASH.				7-2-6		9-8-9-66																			
		WATCH								WATCH																			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200				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						115		140		140		140		135			
DETENTION TIME																		125		134		134		134		130			
REVOLUTION COUNTER (END OF WATCH)				0958 3530		0940 3660		0962 4280		0964 9740		0967 2550						125		127		127		127		129			
TOTAL REVOLUTIONS (FOR WATCH)				20820		20140		23120		22960		22790						120		136		134		134		130			
AVERAGE RPM				86.6		83.9		96.3		95.6		94.9						104		140		141		140		135			
F.O. METER (END OF WATCH)		9337 640		9340 230		9342 870		9343 620		9348 370		9351 130						65		99/90		82		82		92			
F.O. CONSUMED		1570		2590		2640		2750		2750		2760						82		152		152		152		158			
PRESSURES		THROTTLE		450		450		450		450		440		440				240		240		238		237		240		240	
		H.P. AHEAD				430		430		430		440		435												2065 300			
		L.P. AHEAD				20		23		23		13		23															
		VACUUM		28.6		28.5		28.5		28.5		28.5		28.8															
		L.O. TO TURBINES		12		12		12		12		12		12															
		AUX. STEAM		150		150		150		150		150		150															
		BACK PRESSURE		10		9		9		9		9		9															
		GLAND STEAM		3.5		2.2		3		3		3		2.5															
		H.P. BLEEDER				65		75		70		70		70															
		L.P. BLEEDER				-				6		-		6															
TEMPERATURES		L.P. BLEEDER		11"		13		13		13		10"																	
		STEAM AT THROTTLE		670		675		675		660		670																	
		L.P. EXHAUST		208		91		92		91		98																	
		CONDENSATE		81		82		82		82		92																	
		CIRC. WATER IN		58		55		55		55		65																	
		CIRC. WATER OUT		60		60		64		64		76																	
		L.O. TO COOLERS		105		130		124		124		124		124															
		L.O. FROM COOLERS		100		109		107		107		106																	
		TEMPERATURE THRUST BEARING				120		117		117		117		115															
		FORWARD H.P. ROTOR BEARING				120		123		123		123		123															
MISCELLANEOUS		AFT. H. P. ROTOR BEARING																115		140		140		140		135			
		FORWARD L. P. ROTOR BEARING																125		134		134		134		130			
		AFT. L. P. ROTOR BEARING																125		127		127		127		129			
		HOTTEST GEAR BEARING FORWARD																120		136		134		134		130			
		HOTTEST GEAR BEARING AFT																104		140		141		140		135			
		AUX. COND. CONDENSATE		65		99/90		82		82		82		92															
		1ST STAGE FEED WATER HEATER				82		152		152		152		158															
		D. C. FEED WATER HEATER		240		240		238		237		240		240															
		3RD STAGE FEED WATER HEATER																											
		F.O. TO BURNERS		200		205		200		200		205		220															
F. O. BACK PRESSURE		9		12		10		12		12		10																	
AIR TO FURNACE		110 112		130/130		128		122 124		128 126		130 126																	
UPTAKE				320/317		340 315		340 315		340/315		300/250																	
MAIN STEAM		450		450		615		450		660		450																	
SUPER HEAT				670		450		451		450		720 620																	
F.O. TO BURNERS				210		220		200		205 205		200																	
F.O. TEMP. IN SETTLING TANKS		980 106		100		98		106 106		106/108		116 104																	
PORT BOILER UPTAKE				-		-		-		-		-																	
STBD. BOILER UPTAKE				-		-		-		-		-																	
ENGINE ROOM TEMPERATURE		72		86		76		74		78		79																	
FIRE ROOM TEMPERATURE		72		86		76		74		78		79																	
NOZZLES IN USE		10		16		18		18		18		18																	
NO. OF BURNERS IN USE		6		6		6		6		6		6																	
BURNER TIP SIZE		5470		53/70		53		53		53/70		53/70																	
CO ₂ % PORT BOILER										84%																			
CO ₂ % STBD. BOILER										84%																			
OIL LEVEL MAIN SUMP		1'		1'		1'		1'		1'		1'																	

GENERATORS													FUEL - WATER AND LUBE OIL					
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	FUEL OIL		DOMESTIC WATER		LUBE OIL	
1200 TO 1600	1	1200	450		9	120	110		62	900	850	235	METER AT NOON		BOILER WATER	ON HAND AT START OF DAY	225	
	2	1200	450		7	133	116		54	900	850	235	METER PREVIOUS NOON			EVAPORATED OR RECEIVED	41	
1600 TO 2000	1	1200	450	670	9	120	110		62	900	900	235	CONSUMED BY METER		LUBE OIL	ON HAND	250	
	2	1200	450	670	7	133	116		54	900	900	235	ON HAND AT START OF DAY	16710		CONSUMED	16	
2000 TO 2400	1	1200	450	675	9	120	110		61	950	950	235	RECEIVED DURING DAY	-0-		ON HAND AT START OF DAY	5650	
	2	1200	450	675	7	132	116		54	950	950	235	EXPENDED DURING DAY	697		RECEIVED	-0-	
2400 TO 0400	1	1200	450	675	9	120	110		61	1000	950	235	REMAINING ON BOARD	16013		ON HAND	5640	
	2	1200	450	675	7	132	116		54	950	901	235	ON HAND AT START OF DAY	1154		CONSUMED	10	
0400 TO 0800	1	1200	450	660	9	120	110		61	1150	1150	235	EVAPORATED OR RECEIVED	102				
	2	1200	450	660	7	132	116		54	900	850	235	ON HAND	988				
0800 TO 1200	1	1200	450	670	9	120	110		61	1150	1150	235	CONSUMED	268				
	2	1200	450	670	7	136	120		54	1100	1050	235						
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	1210	PERCENT OF SLIP		105.13.6	
													DETENTION TIME	-0-	BBL FUEL/MI		1.794	
													TOTAL REVOLUTIONS	108,550	WIND DIRECTION		224	
													AVERAGE R.P.M.	89.7	STATE OF SEA		Mod.	
													TOTAL MILES BY ENGINE	405	STATE OF WEATHER		62°	
													TOTAL MILES BY OBSERVATION	350				

REMARKS

1200-1600 WATCH

PORT WATCH - MACH IN OPERATION #1 & 2 BOILERS 1 & 2 F.W. BLOWERS 1 & 2 F.O. SERVICE PUMPS. MAIN & AUX CIRC. MAIN & AUX CONDENSATE PUMP. 1 & 2 GENERATORS. MAIN AIR COMPRESSOR. 1 L.O. PUMP. PURIFIED MAIN & AUX AIR EJECTOR. #1 FIRE & SAN PUMP. TESTED ENGR. TELEGRAPH. WHEEL CLEARANCE. PERMISSION TO START. WARMING UP MAIN UNIT. DISENGAGED JACKING GEAR. OPEN M.S. & R.S. STEPS. SHORE ELECT COMPLETED REPAIRS ON #1 FEED CONTROL BOX TESTED & PUT SAME ON LINE @ 1230. S.B. @ 1317. CTR-09560290 FROM #1-3027960 #2-6329560. BELLS AS PER BELL BOOK. MADE ROUTINE INSPECTIONS

OF MACH. & F.R. SPACES.

WATCH ENGR'S SIGNATURE - *George Rummy*

1600-2000 WATCH

STEAMING AS BEFORE. @ 1600 FUEL PUMP CASUALTY. STOPPED MAIN ENG @ 1600. STARTED AUX. FUEL PUMP. FUEL LINES BROUGHT STEAM PRESSURE UP TO NORMAL. @ 1619 BACK UP TO SPEED ON MAIN ENG. @ 1647 UP TO SPEED ON 16 NOZZLES. @ 1815 COMPLETED REPAIR ON ELECT. SWITCHES AND STARTED #1 MAIN FEED. @ 1817 AWT FUEL ON SEBY.

CARRIED OUT WATCH ROUTINE INSPECTIONS OF MACHINERY & SPACES

MAIN COND. 4

WATCH ENGR'S SIGNATURE - *Jim Jones*

2000-2400 WATCH

UNDERWAY ON 18 NOZZLES. MACHINERY IN OPERATION AS BEFORE. PUMPED BILGES. CHECKED ALL OPERATING MACHINERY. NORMAL STEAMING WATCH. DROPPED THE PILOT @ 2045. BELLS AS PER BELL BOOK.

CONDENSATE 4 GPG.

WATCH ENGR'S SIGNATURE - *Clemmons*

2400-0400 WATCH

UNDERWAY ON 18 NOZZ. MACH IN OPERATION AS BEFORE. TAPPED OFF PORT ENBD F.O. SETTLER. CHECKED STEERING F.R. GEAR. PUMPED BILGES. MADE ROUTINE INSPECTIONS OF MACHINERY AND F.R. SPACES

MAIN CONDENSATE 4 GPG

WATCH ENGR'S SIGNATURE - *George Rummy*

0400-0800 WATCH

AS BEFORE ON 18 NOZZLES. CHECKED AND INSPECTED ALL MACHINERY AND MACHINERY SPACES. SHIFTED AND CLEANED F.O. SECTION STRAINERS. SHIFTED F.O. SECTION TO INBOARD SETTLER.

CARRIED OUT NORMAL UNDERWAY WATCH & INSPECTIONS.

CONDENSATE M.N. 4 GPG.

WATCH ENGR'S SIGNATURE - *Jim Jones*

0800-1200 WATCH

UNDERWAY ON 18 NOZZ. WITH MACH. AS BEFORE EXCEPT; @ 0810-30 BLOW TUBES P/S BOILER B/N. @ 0830-ROOT STEAM VALVE TO COOL BLOWERS PORT BOILER BONNET BUSHING STRIPPED, MADE TEMP. REPAIR. @ 0905-1020 FILLED OUTL'D F.O. SETTLER. @ 1050-1105 CH. ENGR. IN ENG. ROOM. CHANGED & CLEANED F.O. BURNERS & DISCH. STRAINER. MADE ROUTINE INSPECTION OF F.R. & OUTER MACH. SPACES.

CONDENSATE 4.579.

WATCH ENGR'S SIGNATURE - *tony A. Archer*

CHIEF ENGINEER

TESTED OVERSPEED & LOW LUBE OIL TRIP ON MAIN TURBINE - @ 2100 P.M.C.

BOILER WATER

STEADY FS

100% 1088 100% 5214-96

AIR

T-100

SAL.

PREGS.

R.F.H.

CHIEF ENGR'S SIGNATURE - *David L. Jones*

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE								
GEN John Pope-TARBLE		5B		JACOMH, WASH.				7-2-G		7-7-10-66								
		WATCH						WATCH										
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			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	MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	137	135	139	138	139	140		
DETENTION TIME										FORWARD L. P. ROTOR BEARING	131	130	131	132	131	132		
REVOLUTION COUNTER (END OF WATCH)		0969 5350	0971 6320	0974 3900	0976 8330	0979 3240	0981 6370			AFT. L.P. ROTOR BEARING	128	125	128	128	128		130	
TOTAL REVOLUTIONS (FOR WATCH)		230 20	2270	25580	24430	24910	23130			HOTTEST GEAR BEARING FORWARD	157	157	131	159			132	
AVERAGE RPM		95.9	94.9	98.3	94.0	95.8	96.3			HOTTEST GEAR BEARING AFT	151	151	140	152			140	
F.O. METER (END OF WATCH)		9353 940	9356 020	9359 630	9362 600	9365 410	9368 350			AUX. COND. CONDENSATE	92	92	92	92	92	92	92	
F.O. CONSUMED		2810	2080	3610	2970	2810	2940			1ST STAGE FEED WATER HEATER	157	154	156	155	156	154		
										D. C. FEED WATER HEATER	235	240	239	240	240	240	240	
										3RD STAGE FEED WATER HEATER								
MACHINERY PARTICULARS	PRESSURES	THROTTLE	450	450	450	450	450			450	BOILER PARTICULARS	TEMPERATURES	F.O. TO BURNERS	200	205	200	200	205
		H.P. AHEAD	450	450	450	440	450	430	F. O. BACK PRESSURE	10			12	10	10	10	10	10
		L.P. AHEAD	23	23	23	23	23	23	AIR TO FURNACE	128 130			130 130	130 130	129 127	130 128	130	130
		VACUUM	28.5	28.5	28.5	28.5	28.5	28.5	UPTAKE				510 295	293 295	305 300	293 295	300	300
		L.O. TO TURBINES	12	12	12	12	12	12	MAIN STEAM	450			450	700	735	675	700	700
		AUX. STEAM	150	150	150	150	150	150	SUPER HEAT	630			630	450	450	450	450	450
		BACK PRESSURE	9	9	9	9	9	9	F.O. TO BURNERS				200	200	200	200	200	205
		GLAND STEAM	3	3	3	3	3	3	F.O. TEMP. IN SETTLING TANKS	111 104			110 104	110	110	110	110	104
		H.P. BLEEDER	80	80	80	75	75	80	PORT BOILER UPTAKE	295			-	295	-	-	-	-
		I.P. BLEEDER	5	-	-	-	-	-	STBD. BOILER UPTAKE	310			-	-	-	-	-	-
L.P. BLEEDER	13	13	13	10	10	10	MISCELLANEOUS	ENGINE ROOM TEMPERATURE	78	78	78	78	78	78	80			
STEAM AT THROTTLE		680	700	675	675	680		FIRE ROOM TEMPERATURE	78	78	78	78	78	78	80			
L.P. EXHAUST	97	97	98	97	98	98		NOZZLES IN USE	18	18	18	18	18	18	18			
CONDENSATE	92	92	92	92	92	93		NO. OF BURNERS IN USE	6	6	6	6	6	6	6			
CIRC. WATER IN	66	65	66	66	66	69		BURNER TIP SIZE	53 70	53 70	53	53 70	53 70	53 70	53			
CIRC. WATER OUT	76	77	76	76	76	80		CO ₂ % PORT BOILER						82 1/4				
L.O. TO COOLERS	125	126	125	125	125	126		CO ₂ % STBD. BOILER						83				
L.O. FROM COOLERS	105	105	107	105	107	107		OIL LEVEL MAIN SUMP		1'	1'	1'	1'	1'	1'			
TEMPERATURE THRUST BEARING	115	115	116	117	116	116												
FORWARD H.P. ROTOR BEARING	122	120	124	124	124	124												

GENERATORS													FUEL - WATER AND LUBE OIL					
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	FUEL OIL		BOILER WATER	LUBE OIL		
													METER AT NOON			ON HAND AT START OF DAY		
1200 TO 1600	1	1200	450	700	9	130	110		62	1200	1200	230	METER PREVIOUS NOON		EVAPORATED OR RECEIVED		250	
	2	1200	450	700	7	138	124		54	1200	1200	235	CONSUMED BY METER		ON HAND		40	
1600 TO 2000	1	1200	450	680	9	128	110		62	1200	1200	235	ON HAND AT START OF DAY	16013	CONSUMED		280	
	2	1200	450	680	7	139	124		54	1200	1200	235	RECEIVED DURING DAY	-0-	ON HAND AT START OF DAY		10	
2000 TO 2400	1	1200	450	700	9	130	110		61	1000	1000	235	EXPENDED DURING DAY	821	RECEIVED		5640	
	2	1200	450	700	9	138	120		54	1000	1000	235	REMAINING ON BOARD	15182	ON HAND		5640	
2400 TO 0400	1	1200	450	735	9	118	110		62	1050	1050	235	ON HAND AT START OF DAY	988	CONSUMED		5620	
	2	1200	450	735	7	137	120		54	1050	1050	235	EVAPORATED OR RECEIVED	199			10	
0400 TO 0800	1	1200	450	675	9	119	110		62	1100	1100	235	ON HAND	988				
	2	1200	450	675	7	138	120		54	1100	950	235	CONSUMED	199				
0800 TO 1200	1	1200	450	700	9	120	110		61	1100	1100	235	LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)					
	2	1200	450	700	7	128	122		54	1100	1100	235	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 1/3	260 mi.	
													SUMMARY					
													RUNNING TIME	1500	PERCENT OF SLIP	17.01		
													DETENTION TIME	-0-	BBL FUEL/MI	1.87		
													TOTAL REVOLUTIONS	141845	WIND DIRECTION	010		
													AVERAGE R.P.M.	94.5	STATE OF SEA	Mod.		
													TOTAL MILES BY ENGINE	529	STATE OF WEATHER	63'		
													TOTAL MILES BY OBSERVATION	439				

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZ. MACH IN OPERATION #1+2 Boilers 1+2 FA Blowers 1+2
 1 MN. FA PMP. 1+2 FO. SERVICE PUMPS. 1 MN. AUX. CIRC. PMP. #2 MN. COND. PUMP. 1 FIRE SAN PUMP
 1 MN. AIR COMPRESSOR. L.O. SERVICE PMP. L.O. PURIF. MN. AUX. AIR EJECTORS. 1+2 AUX. GENERATORS.
 Tested overspeed trip & LOW L.O. ALARM ON 1 MN TURBINE. FIRE drill @ 1516 & by @ 1516
 FIRE drill SECURED @ 1525 Tested FIRE PUMP RELIEF VALVE POP 125# PSI. Boat drill @
 SECURED @ 1444 Replaced Gasket on #1 MN. Feed pump VALVE PLUG ON #3 CYLINDER

WATCH ENGR'S SIGNATURE-

George Ramsey

1600-2000 WATCH

Steaming as before on 18 nozzles. Tested relief valve on fire pump, lit at 125# PSI. Changed and cleaned Center burner in #1+2 boilers. Shifted FO. section to inboard settler. Pumped up outboard settler. Shifted and cleaned main L.O. strainer. inspected machinery and spaces. All Phones out of order.

Carried out standing & night orders.

MN. Condensate .41 GPG.

WATCH ENGR'S SIGNATURE-

Tom Jones

2000-2400 WATCH

UNDERWAY ON 18 NOZZLES. MACHINERY IN OPERATION AS BEFORE.
 CHANGED BURNERS, PUMPED bilges, PUMPED #4 HOLD. SHIFTED TO IN BOARD
 SETTLER & PUMPED UP OUTBOARD SETTLER. Complied with NITE & STANDING
 ORDERS. RETARDED CLOCK 20 MIN

COND .4 GPG.

WATCH ENGR'S SIGNATURE-

Clemmons

2400-0400 WATCH

Underway on 18 nozz with mach. as before except; Filled inboard & outboard
 settlers from #3 P/S DEBS. Changed & cleaned F.O. burners & L.O. strainer.
 Retarded clock 20 min. Made routine insp. of outer mach. spaces.
 Complied with night & standing orders.

Condensate .41 GPG

WATCH ENGR'S SIGNATURE-

Tony Archery

0400-0800 WATCH

Steaming on 18 nozzles, Machinery is operating as before.
 At 0500 retarded clock 20 min. Carried out watch routine and
 inspections of all machinery and spaces @ 0730 Ch. Engineer inspected
 #1 Engine room.

MN. Condensate .41 GPG.

WATCH ENGR'S SIGNATURE-

Tom Jones

0800-1200 WATCH

UNDERWAY ON 18 NOZZLES. ROUTINE INSPECTION OF ALL OPERATING
 MACHINERY PUMPED bilges. RENEWED ONE VALVE LOOSE GASKET #1
 FEED PUMP. #1 MAIN FEED PUMP OUT OF SERVICE, ELECT TROUBLE.

COND .4 GPG.

WATCH ENGR'S SIGNATURE-

Clemmons

CHIEF ENGINEER

INVENTORY OF GSM STORES CLASSES 28-31 & 68 COMPLETED THIS DATE. 9-9-66

BOILER WATER

SEED F5 F5 WS - F5.

F5 32612 F5 5238 - 120

ALL ALL

T-74L T-74L

STL. STL.

PUCN. PUCN.

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

Clemmons

USNS <i>Gen John Pope</i> TAP-110		VOYAGE NO. <i>5 B</i>		FROM <i>TACOMA WASH.</i>		TO		TYPE OF VESSEL <i>T-2-G</i>		DATE <i>9-10-66</i>								
#1 E/R		WATCH						WATCH										
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	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	MACHINERY PARTICULARS (CONT'D)		AFT. H. P. ROTOR BEARING		137	135	139	137	137	139	
DETENTION TIME										FORWARD L. P. ROTOR BEARING		131	130	131	131	134	131	
REVOLUTION COUNTER (END OF WATCH)		0983 9430	0986 2450	0988 7770	0991 2850	0993 7770	0996 0930			AFT. L. P. ROTOR BEARING		129	129	128	127	128	130	
TOTAL REVOLUTIONS (FOR WATCH)		23060	23020	25320	25080	24920	23160			HOTTEST GEAR BEARING FORWARD		159	159	160	159	159	152	
AVERAGE RPM		96.0	95.9	97.3	96.5	95.8	96.5			HOTTEST GEAR BEARING AFT		152	152	140	153	153	145	
F.O. METER (END OF WATCH)		9371 160	9374 000	9376 980	9379 940	9482 830	9385 710			AUX. COND. CONDENSATE		97	97	98	98	98	98	
F.O. CONSUMED		2810	2840	2980	2960	2890	2880			1ST STAGE FEED WATER HEATER		156	156	157	160	162	164	
										D. C. FEED WATER HEATER		238	240	240	240	240	240	
								3RD STAGE FEED WATER HEATER										
PRESSURES		THROTTLE	450	450	450	450	450	450	TEMPERATURES		F.O. TO BURNERS		200/205	210/210	210	210/208	210/200	200
		H.P. AHEAD	440	450	430	440	450	430			F. O. BACK PRESSURE		10	10	10	10	10	10
		L.P. AHEAD	23	23	23	23	23	23			AIR TO FURNACE		130/132	132/130	130	128/134	132/128	134
		VACUUM	28.8"	28.8"	28.5	28.8"	28.8"	28.0			UPTAKE		320/320	320/320	325	333/325	320/320	320
		L.O. TO TURBINES	12	12	12	12	12	12			MAIN STEAM		735	675	700	725	670	680
		AUX. STEAM	150	135	145	145	140	140			SUPER HEAT		450	—	440	460	460	450
		BACK PRESSURE	9	9	9	9	9	9			F.O. TO BURNERS		200/200	200/200	210	200/205	200/200	200
		GLAND STEAM	3	3	3	3	3	3			F.O. TEMP. IN SETTLING TANKS		107/102	110/105	102	104/104	105/105	100
		H.P. BLEEDER	80	80	80	80	80	80			PORT BOILER UPTAKE		820	—	—	—	—	—
		I.P. BLEEDER									STBD. BOILER UPTAKE		—	—	—	—	—	—
L.P. BLEEDER	10"	10"	10"	10"	10"	10"	MISCELLANEOUS		ENGINE ROOM TEMPERATURE		82	82	81	80	80	84		
STEAM AT THROTTLE	675	675	700	675	670	680			FIRE ROOM TEMPERATURE		82	82	81	80	80	84		
L.P. EXHAUST	101	102	101	102	102	101			NOZZLES IN USE		18	18	18	18	18	18		
CONDENSATE	97	97	98	98	98	98			NO. OF BURNERS IN USE		6	6	4	6	6	6		
CIRC. WATER IN	70	70	72	71	71	72			BURNER TIP SIZE		53	37/0	53	53	53/0	53		
CIRC. WATER OUT	81	80	83	82	82	84			CO ₂ % PORT BOILER						83.5%			
L.O. TO COOLERS	125	126	125	125	126	126			CO ₂ % STBD. BOILER						83%			
L.O. FROM COOLERS	106	108	107	106	108	108			OIL LEVEL MAIN SUMP		1'	1'	1'	1'	1'	1'		
TEMPERATURE THRUST BEARING	116	116	115	116	117	116												
FORWARD H.P. ROTOR BEARING	125	125	124	124	125	125												

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	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	FUEL OIL		BOILER WATER		LUBE OIL	
1200 TO 1600	1	1200	450	675	9	118	110		62	1100	1100	235	METER AT NOON	938570	ON HAND AT START OF DAY	280		
	2	1200	450	675	7	140	125		54	1100	1100	235	METER PREVIOUS NOON	9368350	EVAPORATED OR RECEIVED	34		
1600 TO 2000	1	1200	450	675	9	122	110		62	1100	1100	235	CONSUMED BY METER	17360	ON HAND	282		
	2	1200	450	675	7	138	124		54	1100	1100	235	ON HAND AT START OF DAY	15182	CONSUMED	30		
2000 TO 2400	1	1200	450	700	9	120	110		61	1100	1100	235	RECEIVED DURING DAY	-0-	ON HAND AT START OF DAY	5620		
	2	1200	450	700	7	140	124		53	1100	1100	235	EXPENDED DURING DAY	826	RECEIVED	-0-		
2400 TO 0400	1	1200	450	675	9	118	110		62	1000	1000	235	REMAINING ON BOARD	14356	ON HAND	5610		
	2	1200	450	675	7	140	125		54	1000	1000	235	ON HAND AT START OF DAY	988	CONSUMED	10		
0400 TO 0800	1	1200	450	670	9	120	110		62	800	800	235	EVAPORATED OR RECEIVED	207				
	2	1200	450	670	7	140	126		54	1300	1250	235	ON HAND	1100				
0800 TO 1200	1	1200	450	680	9	120	110		61	1100	1100	235	CONSUMED	195				
	2	1200	450	680	7	141	126		54	1100	1100	235	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 1/2	260 mi	4											
SUMMARY																		
		RUNNING TIME		1300		PERCENT OF SLIP		13.26										
		DETENTION TIME		-0-		BBL FUEL/MI		1.81										
		TOTAL REVOLUTIONS		142280		WIND DIRECTION		180										
		AVERAGE R.P.M.		94.86		STATE OF SEA		Mod.										
		TOTAL MILES BY ENGINE		530		STATE OF WEATHER		67°										
		TOTAL MILES BY OBSERVATION		456														

DISTANCE TO GO 4411

REMARKS

1200-1600 WATCH

Underway on 18 May 3. with following mach. in operation: #1 & 2 boilers, #1 & 2 f.d. blowers, #1 & 2 f.o. ser. pumps, #1 stat by f.d. pumps, #1 & 2 1/2 gals. Mnt aux. cond. pmps, Mnt aux. circ pmps, Mnt aux air ejector, #1 h.o. pmp, #1 fire & sanit pmp, #1 1/2 air comp., h.o. purifier, cr200. Put stem on #4 P/S & CL DBES. @ 1240 Shifted f.o. sect to outld sett. Filled inld f.o. sett from #4 DPK. Elect. working on #1 mnt f.d. pump controller & telephone circuits. @ 1310 - Ch. engs in eng room. @ 1445. #1 mnt f.d. pump on line. @ 1515-30 Blue tubes P/S boilers & B/W.

777 Cond. - .41

WATCH ENGR'S SIGNATURE.

Tomy Archer

1600-2000 WATCH

steaming as before on 18 hoggies. Changed and Cleaned Center burner on Port and Stbd. boilers. shifted and Cleaned F.O. suction strainer shifted and Cleaned L.O. M.N. strainer. inspected Machinery and spaces. Pumped up outboard settler from #4-5 1/2 Routine watch

Conditions Journal

MIN. COND. 41 BPG

WATCH ENGR'S SIGNATURE

Henderson

2000-2400 WATCH

2000-2400 WATCH
UNDERWAY ON 18 NOZZLES, CHANGED & CLEANED F.O. BURNERS & STRAINERS
MADE ROUTINE CHECK OF ALL OPERATING MACHINERY, PUMPED BILGES.
NORMAL STEAMING WATCH.

Cond. 4 GPG.

WATCH ENGR'S SIGNATURE.

Vernons,

2400-0400 WATCH

2400-0400 WATCH
Underway on 18-07-73 with mach as before except; c 0200-Filled outld
settler from #3 P/S & 1 DRS. Shifted to inld f.o. settler. W.T. door 118 not
functioning properly - elect. trouble. Changed & cleaned f.o. burners & mesh
strainer. Pumped E/K bilge. Complied with night & standing orders.
made routine insp. of outer mach. spact. Retarded clocks 20
min.

Condensate - 419pg

WATCH ENGR'S SIGNATURE

Tony Arpner

0400-0800 WATCH

0400-0800 WATCH
Steaming fire before on 18 hoppers. @ 0500 Clocks started ~~running~~ ^{to run}
~~low~~ Jr. Eng. Checked out Diesel water in troops Galley found to be OK.
routine watch and inspection of mach. & spaces. Carried out starting
and night orders.

Conditions normal.

MN. COND. HLG. PG.

WATCH ENGR'S SIGNATURE

Am. Bank

0800-1200 WATCH

0800-1200 WATCH UNDERWAY ON 18 NOZZLES, CHANGED & CLEANED F.O. & LUBE OIL STRAINERS, PUMPED INBOARD SETTLER, PUMPED BILGES, ROUTINE INSP OF ALL OPERATING MACH. NORMAL PORT WATCH.

COND. 4 CPG

WATCH ENGR'S SIGNATURE

Olemons.

CHIEF ENGINEER

BOILING WATER 11

END P5 CONT W5 - F5

EO: 52636 5262-144

111 8.76 12 10.51

T-MVL 12.26 T-MVL 14.02

SAL. 4.14 SAL. 6.21

PHOS. 10-20 10-20

R. rh	N. h
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CHIEF ENGR'S SIGNATURE.

Ernest J. Linn

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
Gen. John Pope		513		TACOMA WASH.				F-2-G		9/11/66			
#1 EIR		WATCH						WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	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)		0998 4150	1000 6950	1003 1550	1005 5830	1007 9960	1010 2390						
TOTAL REVOLUTIONS (FOR WATCH)		23220	22800	24600	24280	24070	22490						
AVERAGE RPM		96.8	95.0	94.6	93.1	92.5	93.7						
F.O. METER (END OF WATCH)		9388 420	9391 630	9394 190	9397 250	9400 160	9402 970						
F.O. CONSUMED		2710	2616	3160	3060	2910	2810						
MACHINERY PARTICULARS		PRESSURES		THROTTLE		450	450	450	450	450	450		
				H.P. AHEAD		440	450	430	440	450	440		
				L.P. AHEAD		23	23	23	24	24	24		
				VACUUM		28.8"	28.5"	28.5"	28.5"	28"	28"		
				L.O. TO TURBINES		12	12	12	12	12	12		
				AUX. STEAM		145	140	140	140	140	140		
				BACK PRESSURE		9	9	9	9	9	9		
				GLAND STEAM		3	3	3	3	3	3		
				H.P. BLEEDER		75	80	80	75	80	80		
				I.P. BLEEDER		-	-	-	-	-	-		
L.P. BLEEDER		10"	10"	10"	10"	10"	10"						
TEMPERATURES		TEMPERATURES		STEAM AT THROTTLE		680	680	700	670	670	680		
				L.P. EXHAUST		103	105	105	104	104	105		
				CONDENSATE		99	99	101	101	100	96		
				CIRC. WATER IN		73	73	74	74	73	74		
				CIRC. WATER OUT		84	84	86	85	84	86		
				L.O. TO COOLERS		126	125	125	124	123	124		
				L.O. FROM COOLERS		106	106	107	106	106	108		
				TEMPERATURE THRUST BEARING		116	116	115	115	115	115		
				FORWARD H.P. ROTOR BEARING		125	125	124	124	124	125		
				MISCELLANEOUS		TEMPERATURES		F.O. TO BURNERS		210/205	210/210	210	210
F. O. BACK PRESSURE		10	10					10	10	10	10		
AIR TO FURNACE		134/134	134/130					134	134	134	137		
UPTAKE		330/310	320/310					320	325/320	330/320	315		
MAIN STEAM		730	730					730	735	670	680		
SUPER HEAT		460	460					460	460	460	460		
F.O. TO BURNERS		200/200	200/205					200	200/200	200	210		
F.O. TEMP. IN SETTLING TANKS		108/103	110/104					104	107/110	109/09	108		
PORT BOILER UPTAKE		-	-					-	-	-	-		
STBD. BOILER UPTAKE		-	-					-	-	-	-		
MISCELLANEOUS		TEMPERATURES		ENGINE ROOM TEMPERATURE		86	86	87	87	86	86		
				FIRE ROOM TEMPERATURE		86	86	87	87	86	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	53/40	53	53	53/40	53		
				CO ₂ % PORT BOILER							83.5%		
				CO ₂ % STBD. BOILER							83%		
MISCELLANEOUS		TEMPERATURES		OIL LEVEL MAIN SUMP		1'	1'	1"	1'	1'	1"		

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	450	680	9	120	110		62	1100	1100	235
	2	1200	450	680	7	142	128		54	1100	1100	235
1600 TO 2000	1	1200	450	680	9	122	110		62	1250	1250	235
	2	1200	450	680	7	140	128		54	1250	1250	235
2000 TO 2400	1	1200	450	700	9	120	110		61	1100	1100	235
	2	1200	450	700	7	142	127		54	1100	1100	235
2400 TO 0400	1	1200	450	670	9	120	110		62	1000	1000	235
	2	1200	450	670	7	142	128		54	1000	1000	235
0400 TO 0800	1	1200	450	730	9	118	110		62	1100	1100	235
	2	1200	450	620	7	140	128		54	1100	1100	235
0800 TO 1200	1	1200	450	700	9	120	110		61	850	850	235
	2	1200	450	700	7	142	126		54	850	850	235

FUEL - WATER AND LUBE OIL					
FUEL OIL		BOILER WATER		LUBE OIL	
METER AT NOON	9402970	ON HAND AT START OF DAY	28'2		
METER PREVIOUS NOON	9385710	EVAPORATED OR RECEIVED	116		
CONSUMED BY METER	17260	ON HAND	333		
ON HAND AT START OF DAY	14356	CONSUMED	65		
RECEIVED DURING DAY	-0-	ON HAND AT START OF DAY	5610		
EXPENDED DURING DAY	821	RECEIVED	-0-		
REMAINING ON BOARD	13535	ON HAND	5600		
ON HAND AT START OF DAY	1100	CONSUMED	10		
EVAPORATED OR RECEIVED	116				
ON HAND	981				
CONSUMED	235				
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 1/3	260 MM	4
SUMMARY					
RUNNING TIME		1500	PERCENT OF SLIP 19.6		
DETENTION TIME		-0-	BBL FUEL/MI 1.26		
TOTAL REVOLUTIONS		139250	WIND DIRECTION 255		
AVERAGE R.P.M.		92.8	STATE OF SEA Mod.		
TOTAL MILES BY ENGINE		519	STATE OF WEATHER 68°		
TOTAL MILES BY OBSERVATION		417			

REMARKS

1200-1600 WATCH

Underway on 18 nozz with mach as before except; #1 & 2 boilers, #1 & 2 F.O. blowers, #1 & 2 f.o.s. pumps, #1 & 2 s/gens, #2 mot aux. cond. pumps, mot aux. circ. pumps, mot aux. air elec. #1 & 2 m/fd. pumps with steam pump stry. #1 f.o.s. pump, l.o. purifier, #1 fire & sanit. pump, #1 5/8 air comp. @ 1300. Elect. tested w. t. doors. Changed & cleaned f.o. burners & disch. strainer. Pumped E/R bilge. Made routine insp. of outer mach. spaces. @ 1515-35. Blew tubes P/S boilers B/W. Added 5 gal. L.O. to Port M/fd pump. Condensate .41 GPG

WATCH ENGR'S SIGNATURE-

Tony Archer

1600-2000 WATCH

Steaming as before on 18 nozzles. Changed and cleaned center burners on #1 & 2 boilers. Pumped Bilges. Checked all machinery and spaces. Carried out standing orders.

Conditions Normal.

MN. COND. T. .41 G.P.G.

WATCH ENGR'S SIGNATURE-

Jim Jones

2000-2400 WATCH

UNDERWAY ON 18 NOZZLES. CHANGED & CLEANED F.O. BURNERS. PUMPED UP INBOARD & OUTBOARD SETTLERS FROM #4 S DOUBLE BOTTOM. PUMPED bilges, CHECKED ALL OPERATING MACHINERY. NORMAL STEAMING WATCH. Ch ELECT STANDING BY WHILE SURGERY BEING PERFORMED IN HOSPITAL

Cond .4 GPG

WATCH ENGR'S SIGNATURE-

Clemens.

2400-0400 WATCH

Underway on 18 nozz with mach as before except; @ 0020 Bridge reports hospital secured from surgical operation. Cond .45- Blif eng. in eng room. Changed & cleaned f.o. burners & disch. strainer. Pumped E/R bilge. Made routine insp. of outer mach. spaces. Complied with night & standing orders. Retarded clocks 20 min.

Condensate .41 GPG

WATCH ENGR'S SIGNATURE-

Tony Archer

0400-0800 WATCH

Steaming as before on 18 nozzles. @ 0500 Retarded Clocks (20 min) Pumped bilges, inspected machinery and spaces. @ 0600 SBY. due to Poor Visibility. @ 0611 H. added (1) one gallon of oil to Port M/fd. Pump. Carried out routine watch and inspections. Complied with standing and night orders.

Cond ~~1/4~~ .41 G.P.G.

WATCH ENGR'S SIGNATURE-

Jim Jones.

0800-1200 WATCH

UNDERWAY 18 NOZZLES, CHANGED & CLEANED F.O. BURNERS. PUMPED ENGINE ROOM bilges & Cargo holds. PUMPED INBOARD & OUT BOARD SETTLERS FROM #4 P. Eng UTILITY TESTED #1-2 MOTOR LIFE BOATS. NORMAL STEAMING WATCH

Cond .4 GPG.

WATCH ENGR'S SIGNATURE-

Clemens.

CHIEF ENGINEER

FOUR

WS

SND FS WS - FS

5216

1 3266 11.68-168

1 58.76 11.68

T 11.68 16.35

SND 4.14 6.21

PD4

FMS 20.40 20.40

R. 11.68

503-80 503-116

CHIEF ENGR'S SIGNATURE-

Clemens.

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE									
Don John Pope T-10		5 B		Tacoma, Wash.				T-2-G		9/12/13/66									
# 1 E/R		WATCH								WATCH									
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			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	MACHINERY PARTICULARS (CONT'D)		AFT. H. P. ROTOR BEARING		137	137	135	135	135	137		
DETENTION TIME										FORWARD L. P. ROTOR BEARING		132	130	131	131	131	133		
REVOLUTION COUNTER (END OF WATCH)		1012 4950	1014 7240	1016 9220	1019 1380	1021 3880	1023 6310	TEMPERATURES (CONT'D)		AFT. L.P. ROTOR BEARING		130	130	129	127	129	137		
TOTAL REVOLUTIONS (FOR WATCH)		22560	22290	21980	22160	22500	22430			HOTTEST GEAR BEARING FORWARD		158	157	158	158	158	157		
AVERAGE RPM		94.0	92.8	91.6	92.3	93.8	93.5			HOTTEST GEAR BEARING AFT		152	152	145	150	151	143		
F.O. METER (END OF WATCH)		9405 700	9408 330	9411 060	9413 750	9416 420	9419 160			AUX. COND. CONDENSATE		102	102	102	101	101	101		
F.O. CONSUMED		2730	2630	2730	2690	2670	2740			1ST STAGE FEED WATER HEATER		163	162	164	162	162	162		
MACHINERY PARTICULARS		THROTTLE		450	450	450	450	450	450	TEMPERATURES		F.O. TO BURNERS		210 205	210 205	210	210 210	210 210	210
		H.P. AHEAD		440	450	450	450	450	450			F. O. BACK PRESSURE		10	10	10	10	10	10
		L.P. AHEAD		24	24	24	24	24	24			AIR TO FURNACE		132 134	132 134	136	132 134	132 134	134
		VACUUM		28.2	27.5"	27.5"	27.8	27.8"	27.5"			UPTAKE		325 305	325 305	300	295 310	295 310	295
		L.O. TO TURBINES		12	12	12	12	12	12	PRESSURES		MAIN STEAM		730	675	680	720	675	700
		AUX. STEAM		140	140	140	140	140	140			SUPER HEAT		460	-	450	460	460	460
		BACK PRESSURE		9	9	9	9	9	9			F.O. TO BURNERS		195 200	195 200	210	205 200	205 200	200
		GLAND STEAM		4	4	3	4	4	3			F.O. TEMP. IN SETTLING TANKS		109 111	109 110	108	109 109	108 104	104
		H.P. BLEEDER		75	80	75	75	75	75	MISCELLANEOUS		PORT BOILER UPTAKE			-	-	-	-	-
		I.P. BLEEDER		-	-	-	-	-	-			STBD. BOILER UPTAKE			-	-	-	-	-
		L.P. BLEEDER		10"	10"	10	9"	10"	10"			ENGINE ROOM TEMPERATURE		87	86	87	86	84	84
		STEAM AT THROTTLE		675	675	680	675	675	700			FIRE ROOM TEMPERATURE		87	86	87	86	84	84
		TEMPERATURES		L.P. EXHAUST		106	106	106	105	105	105	NOZZLES IN USE		18	18	18	18	18	18
				CONDENSATE		102	102	102	102	101	101	NO. OF BURNERS IN USE		6	6	6	6	6	6
				CIRC. WATER IN		75	75	74	75	75	73	BURNER TIP SIZE		53	53	53	53	53	53
				CIRC. WATER OUT		86	88	87	86	86	86	CO ₂ % PORT BOILER						85%	
L.O. TO COOLERS				126	126	124	124	124	127	CO ₂ % STBD. BOILER						84%			
L.O. FROM COOLERS				108	108	107	106	106	108	OIL LEVEL MAIN SUMP		1'	1'	1'	1'	1'	1'		
TEMPERATURE THRUST BEARING				117	117	115	115	115	117										
FORWARD H.P. ROTOR BEARING		125	124	125	124	124	125												

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL								
	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	FUEL OIL		DOMESTIC WATER		LUBE OIL				
1200 TO 1600	1	1200	430 675	675	9	120	110		62	800	800	230	METER AT NOON	9419160	ON HAND AT START OF DAY	333	BOILER WATER	EVAPORATED OR RECEIVED	29		
	2	1200	440 675	675	7	143	128		54	800	800	230	METER PREVIOUS NOON	9402970	ON HAND	332		CONSUMED	30		
1600 TO 2000	1	1200	450	675	9	120	110		62	750	750	235	CONSUMED BY METER	16190	ON HAND AT START OF DAY	13535	LUBE OIL	ON HAND AT START OF DAY	5600		
	2	1200	450	675	7	142	128		54	750	750	235	ON HAND AT START OF DAY	13535	RECEIVED DURING DAY	-0-		EXPENDED DURING DAY	791		
2000 TO 2400	1	1200	450	680	9	120	110		61	700	700	240	REMAINING ON BOARD	12,744	ON HAND	5590		ON HAND	5590		
	2	1200	450	680	7	142	126		54	700	700	240	ON HAND AT START OF DAY	981	CONSUMED	10		CONSUMED	10		
2400 TO 0400	1	1200	450	675	9	118	110		62	700	700	235	EVAPORATED OR RECEIVED	201							
	2	1200	450	675	7	143	128		55	700	700	235	ON HAND	1060						CONSUMED	122
0400 TO 0800	1	1200	450	675	9	118	110		62	700	700	235	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)								
	2	1200	450	675	7	142	128		54	700	700	235									
0800 TO 1200	1	1200	450	675	9	120	110		61	700	700	240	L.O. CENTRIFUGE - HOURS OPERATED								
	2	1200	450	675	7	142	127		54	700	700	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
													4	4	4	3	4	4	SUMMARY		
													RUNNING TIME		1440	PERCENT OF SLIP		Pos. 15.9			
													DETENTION TIME		-0-	BBL FUEL/MI		1.61			
													TOTAL REVOLUTIONS		131,660	WIND DIRECTION		330-255			
													AVERAGE R.P.M.		91.4	STATE OF SEA		Rough			
													TOTAL MILES BY ENGINE		491	STATE OF WEATHER		18°			
													TOTAL MILES BY OBSERVATION		413						

REMARKS

1200-1600 WATCH

Underway on 18 nozz with following mach in operation; #1 & 2 boilers, #1 & 2 f.d. blowers #1 & 2 f.o.s. pumps, #1 & 2 m.f.d. pumps, atm. pump on stry, #1 & 2 f.s. gens. m.m. circ. pump, m.m. cond. pump, m.m. airjec., #1 f.o.s. pump, l.o. purifier #1 fire & sanit pump. Changed & cleaned f.o. burners & dish strainer. Pumped E/R bilge. @ 1515-35. Blue tubes #1 & 2 Boiler B/W. Made routine insp. of outer mach. spaces.

Condensate - .41 GPG

WATCH ENGR'S SIGNATURE-

Tony Archer

1600-2000 WATCH

Steaming underway as before on 18 nozzles. Changed and cleaned center burner in #1 & 2 boilers. Shifted & cleaned main l.o. strainer. Pumped up outboard settler. routine watch & inspections of machinery & spaces.

Conditions Normal.

Cond. MN. .41 GPG.

WATCH ENGR'S SIGNATURE-

Jim Jones

2000-2400 WATCH

UNDERWAY ON 18 NOZZLES. CHANGED & CLEANED LOWER F.O. BURNERS. PUMPED bilges. CHECKED ALL OPERATING MACHINERY. NORMAL STEAMING WATCH.

Boiler .4 GPG.

WATCH ENGR'S SIGNATURE-

Clemens,

2400-0400 WATCH

Underway on 18 nozz. Mach. as before except; @ 0100-0130 Held engineering casualty drill #E-1. Low water in boiler. Changed & cleaned f.o. burners & dish strainer. Disassembled & cleaned l.o. purifier. Complied with night & standing orders. Made routine insp. of outer mach. spaces. @ 0340. Shifted f.o. sect. to outboard settler.

Port Boiler - 5.39 GPG. Std Boiler - 4.14 GPG. Condensate - .41 GPG

WATCH ENGR'S SIGNATURE-

Tony Archer

0400-0800 WATCH

Steaming as before on 18 nozzles. Pumped up the inboard settler. 0500 to 0530 held Casualty Drill E-1. Low water in boiler, loss of feed pressure (4) men present. FWD. Eng. 4 men present in AFT. Eng. room. Carried out routine watch and inspections. Trouble call on dish washer in troops scullery (no water) called Maginnis @ 0725 to work on same.

Conditions Normal.

MN. Cond. .41 GPG. (1) drop.

WATCH ENGR'S SIGNATURE-

Jim Jones

0800-1200 WATCH

UNDERWAY 18 NOZZLES. CLEANED LOWER F.O. BURNERS. PUMPED UP OUTBOARD SETTLER FROM #3 P.D.B. PUMPED FWD HOLDS. CHEMICAL IN E.R. BILGES. INSP OF ENGINE SPACES & OPERATING MACH. TEST RUN #1 SANITARY PUMP. NORMAL STEAMING WATCH. HELD ENGINEERING CASUALTY DRILL E-1. LOW WATER IN BOILER. LOSS OF FEED PRESSURE.

Cond. .5 GPG

WATCH ENGR'S SIGNATURE-

Clemens,

CHIEF ENGINEER

IC

WS, SP, PD FS

WS - FS

5285 1. 32684 1. 35316 - 192

1. 9.34 1. 9.34

T. 11.16 1. 14.60

S. 4.14 6.21

E. 83 100

200-30 - PD 30

CHIEF ENGR'S SIGNATURE-

[Signature]

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.D. PUMPS 5th F.D. FLOWING MN CIRC. PMP #2 MN COND PMP MN L.O. PUMP
 MN AIR COMPRESSOR, MN & AUX AIR EJECTORS, 1 FIRE & SAN PUMP, 1+2 AUX GENERATORS, AUX
 CIRC PUMP, AUX COND PUMP, PORT STEERING GEAR, L.O. PURIFIER. Checked STEERING GEAR, Tipped
 Port outboard Settler. Pumped Cargo holds. Tested MAIN TURBINE OVERSPEED TRIP & LOW L.O.
 ALARM. Blew Tubes. Made ROUTINE INSPECTIONS OF MACHINERY & ER SPACES.

MAIN CONDENSATE .41 GPG

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

Steaming as before on 18 Nozzles with the Plant ~~crossed~~ single up.
 aux. air ejector, Circ. pump and Cond. pump secured. Changed and Cleaned Center
 burners on #1+2 boilers. Shifted and Cleaned Major L.O. strainer.
 Carried out routine watch and inspections of Machinery and spaces.

Conditions Normal.

MN. Cond't. .41 G.P.G.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

Underway on 18 Nozz with mach as before except; Changed & cleaned f.o.
 burners & disch. strainer. Retarded clocks 20 min. Pumped cargo hold
 bilges. Made routine insp. of outer mach. spaces. Complied with all
 night & standing orders.

Main Condensate .41 GPG.

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Underway ON 18 NOZZ. MACH IN OPERATION AS BEFORE WITH AUX AIR EJECTOR
 AND CONDENSATE OVER TO MAIN. Changed & Cleaned F.O. BURNERS & DISCH. STRAINERS. Retarded
 CLOCKS 20 MINS @ 0100. Shifted F.O. SUCT TO PORT OUTBOARD SETTLER. Pumped Cargo holds
 Bilge. Tipped off Port Inboard Settler 1-Run #4 S-outboard BARRIK. Checked STEERING F.R.
 GEAR. Made ROUTINE INSPECTIONS OF MACHINERY & ER SPACES.

MAIN CONDENSATE .41 GPG.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

Steaming as before on 18 Nozzles at 0500 Retarded Clocks (20 min)
 Shifted and Cleaned F.O. suction strainer. Pumped bilges. Checked
 all machinery and spaces. Carried out routine watch and inspections
 as per standing and night orders. Shifted to inboard Settler. Pumped
 up outboard Settler.

MN. Cond't. (1) Drop.

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

Underway on 18 Nozz with mach. as before except; c 0800-20- Blew tubes P/5
 boilers B/1. @ 0915- Referred eng. filled chill water system from condensate system.
 @ 1025- Secured Port mn. feed pump for repairs, 5th fd. pump on Port boiler. Tipped
 & cleaned f.o. burners & disch. strainer. Made routine insp. of outer mach. spaces.
 @ 1120- Port mn. fd. pump back on line. c 1015-1125- Chief eng. in eng. room.

Main Condensate - .41 GPG

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

BOILER WATER

ST'D F5 PORT WS - F5

5309 BOLS 2728 1 35334 - 216

AHL 8.76 10.51

T-ARK 13.43 14.60

SAL 4.97 4.56

FDS 3.35 3.0

Rph

50° 85' - 50° 84'

CHIEF ENGR'S SIGNATURE

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZ. MACH IN OPERATION. #1 & 2 BOILERS 1 & 2 F.W. BLOWERS. 1 & 2 F.O. PUMPS. 1 & 2 M.N. F.W. PUMPS 3rd F.W. PUMP. 1 M.N. CIRC. PMP + AUX CIRC. PMP. #2 M.N. COND. PMP. L.O. SERV. PUMP. L.O. PURIFIER. M.N. AIR COMPRESSOR. 1 FIRE & SAN PUMP. M.N. AIR EJECTOR. 1 & 2 AUX GENERATORS. AUX AIR EJECTOR + CONDENSATE OVER to MAIN. PORT STEERING GEAR. Ch. ENGR + 1st ASST Started A.C. UNIT. @ 1320 Shifted F.O. SUCT to port outbd. Tapped off port inbd settler FROM #3-5 + 2 9/5 outbd tks. Checked steering F.W. GEAR. Blew tubes. Pumped cargo holds B/kgcs. Made ROUTINE

INSPECTIONS OF MACH & ER. SPACES.

1600-2000 WATCH

STEAMING as before on 18 Nozzles. Changed and Cleaned Center burner in #1 & 2 boilers, shifted and Cleaned Main L.O. strainer. Checked and inspected Machinery and spaces. Routine underway watch.

WATCH ENGR'S SIGNATURE -

George Bannay

M.N. Cond't. 41 GPG.

2000-2400 WATCH

Underway on 18 nozz with mach as before except; @ 2230 Shifted f.o. suction to inbd settler. @ 2300 Retarded clock 20 minutes. Changed & cleaned f.o. burner & dish strainer. Made routine insp. of outer mach spaces. Complied with night & standing orders.

Conditions Normal.

WATCH ENGR'S SIGNATURE -

Hon Jones

Main Condensate - 41 GPG.

2400-0400 WATCH

UNDERWAY ON 18 NOZZ MACH. IN OPERATION AS BEFORE. DUE TO CROSSING 180° MERIDIAN Advanced the Calendar 24 hrs. TO 9-16-66. Changed & Cleaned TOP F.O. BURNERS IN #1 & 2 BOILERS. Shifted & Cleaned stbd F.O. DISCH. STRAINER. Retarded Clocks 20 MINS @ 0100 Tapped off port outbd settler FROM #3-5 + 2-P. Cleaned STRAINER & INSPECTED SUCT & DISCH. VALVES ON F.O. TRANS. PUMP inbd side. Pumped cargo holds & REFER SPACES B/kgcs. Checked steering F.W. GEAR. Made ROUTINE INSPECTIONS OF MACH & ER. SPACES.

WATCH ENGR'S SIGNATURE -

Tony Archer

Main Condensate 41 GPG

0400-0800 WATCH

UNDERWAY ON 18 NOZZ, with mach as before except; @ 0800-20. Blew tubes 75 Boilers B/N. @ 0810 Bridge test Xidde alarm system. @ 0826 3rd E.O. Steering casualty Drill. @ 0830 secure from drill. 1st E.O. @ 0900 Filled inbd f.o. settler from #3 PDBK. @ 0915 secured L.O. purifier for electrical maintenance. @ 0930 L.O. purifier back in service. Pumped E/R hldgs. Changed & cleaned f.o. burners & dish strainer. Made routine insp. of outer mach. spaces.

WATCH ENGR'S SIGNATURE -

George Bannay

Main Condensate - 41 GPG

0800-1200 WATCH

STEAMING as before on 18 nozzles. at 0400 stbd feed Pump failed a gasket, secured Pump and put aux feed Pump on the line. notified 1st Asst. at 0450 slowed to 16 nozzles. 0530 Completed replacing gasket in stbd feed Pump and lit off same. 0550 opened 18 nozzles. at 0500 restarted Clocks (20 mi). Carried out standing and night orders.

WATCH ENGR'S SIGNATURE -

Tony Archer

M.N. Cond't. 41 GPG. (1) drop.

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE -

Hon Jones

BOILER WATER IN

STBD F5 F5 W5 - F5

HOURS 2752 1 25358 - 240

AKL 9.93 12 - 8.18.

T-AKL 13/4 11.16

SAL. 4.14 EEL. 4.14

PHOS. 30 PHOS. 25

R.ph R. 5

50³ - 62 - 50³ - 62

CHIEF ENGR'S SIGNATURE -

Hon Jones

		WATCH						WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME														
DETENTION TIME														
REVOLUTION COUNTER (END OF WATCH)														
TOTAL REVOLUTIONS (FOR WATCH)														
AVERAGE RPM														
F.O. METER (END OF WATCH)														
F.O. CONSUMED														
PRESSURES	THROTTLE													
	H.P. AHEAD													
	L.P. AHEAD													
	VACUUM													
	L.O. TO TURBINES													
	AUX. STEAM													
	BACK PRESSURE													
	GLAND STEAM													
	H.P. BLEEDER													
	I.P. BLEEDER													
L.P. BLEEDER														
TEMPERATURES	STEAM AT THROTTLE													
	L.P. EXHAUST													
	CONDENSATE													
	CIRC. WATER IN													
	CIRC. WATER OUT													
	L.O. TO COOLERS													
	L.O. FROM COOLERS													
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
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										
				D. C. FEED WATER HEATER										
				3RD STAGE FEED WATER HEATER										
BOILER PARTICULARS		TEMP-PRESSURES		F.O. TO BURNERS										
				F. O. BACK PRESSURE										
				AIR TO FURNACE										
				UPTAKE										
				MAIN STEAM										
				SUPER HEAT										
				F.O. TO BURNERS										
				F.O. TEMP. IN SETTLING TANKS										
				PORT BOILER UPTAKE										
				STBD. BOILER UPTAKE										
MISCELLANEOUS		TEMP-PRESSURES		ENGINE ROOM TEMPERATURE										
				FIRE ROOM TEMPERATURE										
				NOZZLES IN USE										
				NO. OF BURNERS IN USE										
				BURNER TIP SIZE										
				CO ₂ % PORT BOILER										
				CO ₂ % STBD. BOILER										
				OIL LEVEL MAIN SUMP										

WATCH	GENERATORS											FUEL WATER AND LUBE OIL						
	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	FUEL OIL	WATER	LUBE OIL			
1200 TO 1600													METER AT NOON		ON HAND AT START OF DAY	320		
													METER PREVIOUS NOON	4454230	EVAPORATED OR RECEIVED			
													CONSUMED BY METER		ON HAND			
													ON HAND AT START OF DAY	11057	CONSUMED			
													RECEIVED DURING DAY		ON HAND AT START OF DAY	5580		
													EXPENDED DURING DAY		RECEIVED			
													REMAINING ON BOARD		ON HAND			
1600 TO 2000													ON HAND AT START OF DAY	1081	CONSUMED			
													EVAPORATED OR RECEIVED					
													ON HAND					
													CONSUMED					
2000 TO 2400													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
2400 TO 0400																		
													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			
0800 TO 1200													TOTAL MILES BY OBSERVATION					

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

BOILER WATER

STEAM

FUEL

AIR

TEMP.

SAL.

PHOS.

R.P.H.

CHIEF ENGR'S SIGNATURE-

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	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	FUEL OIL	DOMESTIC WATER	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)			
1200 TO 1600	1	1200	450	680	9	123	113		62	860	800	235	METER AT NOON	9471900	ON HAND AT START OF DAY	320		
	2	1200	450	680	7	150	132		54	800	800	235	METER PREVIOUS NOON	9454230	EVAPORATED OR RECEIVED	24		
													CONSUMED BY METER	17670	ON HAND	310		
1600 TO 2000	1	1200	450	685	9	120	110		62	750	750	235	ON HAND AT START OF DAY	14057	CONSUMED	34		
	2	1200	450	685	7	148	130		54	750	750	235	RECEIVED DURING DAY	-0-	ON HAND AT START OF DAY	5580		
													EXPENDED DURING DAY	830	RECEIVED	-0-		
2000 TO 2400	1	1200	450	680	9	123	112		62	850	850	235	REMAINING ON BOARD	10217	ON HAND	5520		
	2	1200	450	680	7	148	130		54	750	750	235	ON HAND AT START OF DAY	1081	CONSUMED	10		
													EVAPORATED OR RECEIVED	181				
2400 TO 0400	1	1200	450	675	9	122	113		62	750	750	235	ON HAND	1083				
	2	1200	450	675	7	149	132		54	750	750	235	CONSUMED	179				
0400 TO 0800	1	1200	450	680	9	120	110		62	750	750	235	L.O. CENTRIFUGE - HOURS OPERATED					
	2	1200	450	680	7	148	128		54	750	750	235	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
													4	4	4	4	4	4
0800 TO 1200	1	1200	450	670	9	123	112		62	700	700	235	SUMMARY					
	2	1200	450	670	7	148	130		54	857	850	235	RUNNING TIME	1440	PERCENT OF SLIP	15.44		
													DETENTION TIME	-	BBL FUEL/MI	1.64		
												TOTAL REVOLUTIONS	135415	WIND DIRECTION	250			
												AVERAGE R.P.M.	94.0	STATE OF SEA	Moderate			
												TOTAL MILES BY ENGINE	506	STATE OF WEATHER	80°			
												TOTAL MILES BY OBSERVATION	427					

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZ MACH IN OPERATION #1+2 BOILERS 1+2 F.A. BLOWERS 1+2 F.O.S P.M.P.S 1+2 M.N.F.W. P.M.P.S 1 L.O. P.M.P. PURIFIER. M.N. AIR COMPRESSOR. 1 FIRE SAN PUMP 1+2 AUX GENERATORS. AUX AIR EJECTOR CONDENSATE & FIRE PUMP OVER TO MAIN. MAIN AIR EJECTOR. M.N. FIRE PUMP. Tested overspeed trip & LOW L.O. ALARM ON M.N. TURBINE. Turned off BATT. FROM #3-5+2-P. Shifted 150. SWAT to PORT FIBED S.H. 1450 PUMPED BILGES. FIRE DRILL @ 1516 SEC. @ 1527 BOAT DRILL @ 1527 SEC. @ 1535 B. @ 1516 H. @ 1537 G.V. OPEN & CLOSED FOR DRILLS. Made Routine Inspections of Machinery & E.R. SPACES.

WATCH ENGR'S SIGNATURE-

Henry Bunnag

1600-2000 WATCH

Steaming as before on 18 Nozzles. Blew tubes on #1+2 boilers. Changed and Cleaned Center burner on #1+2 boilers. 1810 Closed W.T. Doors. Shifted and Cleaned main L.O. strainer. Checked Machinery and spaces. Routine watch and inspections

Conditions Normal.

M.N. Cond't. .41 GPG.

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

Jim Jones

Underway on 18 nozz. with mach. as before except, Changed & cleaned f.o. burners & disch. strainers. Pumped E/R & fwd cargo hold bilges. Made routine inspection of outer mach. spaces. Complied with night & standing orders.

Main Condensate. .41 GPG

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

Tony Archer

UNDERWAY ON 18 NOZZ. MACH. AS BEFORE. CHANGED & CLEANED F.O. BURNERS AND DISCH. STRAINERS. Topped off port settlers FROM #2-P. Inspected & cleaned L.O. STRAINERS ON #1+2 AUX GENERATORS. Held Eng's Casualty drill E-2 Boiler Tube Failure 0130 to 0200 Watch INST & BRIDGE NOTIFIED PUMPED E.R. cargo holds & REFR SPACES BILGES. Checked STEERING E.R. GEAR. Made Routine Inspections of MACH & ENGR'S SPACES.

MAIN CONDENSATE .41 GPG

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

Henry Bunnag

Steaming as before on 18 nozzles. 0500 to 0530. Held Casualty drill E-2 boiler tube failure. 4 men Present. Shifted and Cleaned port side F.O. strainer. Checked all Machinery and spaces. Pumped Cargo holds. Pumped Eng. room bilges. Routine watch & inspections

Conditions Normal.

Main Cond't. .41 GPG

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

Jim Jones

Underway on 18 nozz. with mach. as before except; @ 0800-25- Blew tubes 7/5 boilers B.N. @ 0845- Bridge test Kidde alarm system. Pumped E/R & cargo holds. Changed & cleaned f.o. burners & disch. strainer. Made routine inspection of outer mach. spaces.

Main Condensate. .41 GPG

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

Tony Archer

BOILER WATER IN

STEADY FS 10TT W5- FS

1000S 2776 1000S 5382 - 264

REL 9.93 10 7.57

T REL 13.43 10 12.26

S 4.56 10 3.73

T 3.30 10 3.35

R. ph 10 10

505-68- 505-35

CHIEF ENGR'S SIGNATURE-

Tony Archer

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
GEN JOHN POPE TAPPA		5-B		TACOMA WASH.		OKINAWA		P-2-G		9-17-18-66	
WATCH											
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200											
RUNNING TIME 240 240 260 260 260 240											
DETENTION TIME											
REVOLUTION COUNTER (END OF WATCH) 1068 1070 1073 1075 1078 1080											
TOTAL REVOLUTIONS (FOR WATCH) 5370 5380 5380 5380 5380 5380											
AVERAGE RPM 95.8 95.0 94.7 94.1 95.1 95.3											
F.O. METER (END OF WATCH) 840 840 840 840 840 840											
F.O. CONSUMED 2940 2850 3220 3150 3180 3600											
MACHINERY PARTICULARS (CONT'D)											
AFT. H. P. ROTOR BEARING 138 135 136 136 134 136											
FORWARD L. P. ROTOR BEARING 134 134 132 132 132 134											
AFT. L. P. ROTOR BEARING 131 130 130 131 130 130											
HOTTEST GEAR BEARING FORWARD 162 166 160 162 166 160											
HOTTEST GEAR BEARING AFT 153 152 150 153 152 150											
AUX. CONO. CONDENSATE 113 115 113 113 112 114											
1ST STAGE FEED WATER HEATER 168 168 168 168 166 119											
D. C. FEED WATER HEATER 240 240 240 240 240 240											
3RD STAGE FEED WATER HEATER											
F.O. TO BURNERS 210 210 210 210 210 210											
F. O. BACK PRESSURE 10 10 10 10 10 10											
AIR TO FURNACE 143 144 145 145 145 145											
UPTAKE 345 345 345 345 345 345											
MAIN STEAM 725 725 725 725 725 725											
SUPER HEAT 460 460 460 460 460 460											
F.O. TO BURNERS 210 210 210 210 210 210											
F.O. TEMP. IN SETTLING TANKS 116 116 116 116 116 116											
PORT BOILER UPTAKE											
STBD. BOILER UPTAKE											
ENGINE ROOM TEMPERATURE 93 93 92 92 92 93											
FIRE ROOM TEMPERATURE 93 93 92 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 53 53 53 53 53											
CO2 % PORT BOILER 84% 84% 84% 84% 84% 84%											
CO2 % STBD. BOILER 84% 84% 84% 84% 84% 84%											
OIL LEVEL MAIN SUMP 1' 1' 1' 1' 1' 1'											
MACHINERY PARTICULARS											
THROTTLE 450 440 440 440 440 440											
H.P. AHEAD 450 440 440 440 440 440											
L.P. AHEAD 30 29 29 30 29 29											
VACUUM 27.7 27.5 27.5 27.6 27.5 27.5											
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 4 4 3 4 4 3											
H.P. BLEEDER 70 75 75 75 75 75											
I.P. BLEEDER											
L.P. BLEEDER 9 9 9 9 9 9											
STEAM AT THROTTLE 680 680 680 680 680 680											
L.P. EXHAUST 116 116 115 116 116 116											
CONDENSATE 113 114 112 113 112 114											
CIRC. WATER IN 84 84 81 85 85 82											
CIRC. WATER OUT 97 97 96 96 96 98											
L.O. TO COOLERS 127 125 125 125 126 126											
L.O. FROM COOLERS 108 108 108 108 108 109											
TEMPERATURE THRUST BEARING 117 116 115 117 117 117											
FORWARD H.P. ROTOR BEARING 130 130 129 130 130 131											
GENERATORS											
GENERATOR NUMBER R.P.M. STEAM PRESSURE STEAM TEMP. L.O. PRESSURE L.O. TO COOLER L.O. FROM COOLER TEMP. OF HOTTEST BEARING L.O. GOVERNOR PRESSURE AMPS POSITIVE AMPS NEGATIVE VOLTS											
1200 TO 1600 1 1200 450 680 9 124 114 62 800 800 235 2 1200 450 680 7 150 132 54 800 800 235											
1600 TO 2000 1 1200 450 680 9 120 110 62 800 700 235 2 1200 450 680 7 148 130 54 800 700 235											
2000 TO 2400 1 1200 450 680 9 120 110 62 800 800 240 2 1200 450 680 7 148 130 54 800 800 240											
2400 TO 0400 1 1200 450 680 9 123 113 62 800 750 235 2 1200 450 680 7 150 132 54 800 750 235											
0400 TO 0800 1 1200 450 680 9 120 110 62 750 800 235 2 1200 450 680 7 148 120 54 750 800 235											
0800 TO 1200 1 1200 450 680 9 124 112 62 800 800 240 2 1200 450 680 7 148 130 54 800 800 240											
FUEL - WATER AND LUBE OIL											
METER AT NOON 9490240 ON HAND AT START OF DAY 310											
METER PREVIOUS NOON 9471900 EVAPORATED OR RECEIVED 20											
CONSUMED BY METER 18340 ON HAND 290											
ON HAND AT START OF DAY 10217 CONSUMED 30											
RECEIVED DURING DAY -0- ON HAND AT START OF DAY 5570											
EXPENDED DURING DAY 861 RECEIVED -0-											
REMAINING ON BOARD 9356 ON HAND 5560											
ON HAND AT START OF DAY 1083 CONSUMED 10											
EVAPORATED OR RECEIVED 188											
ON HAND 1030											
CONSUMED 261											
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 260mi. 4											
SUMMARY											
RUNNING TIME 1300 PERCENT OF SLIP 16.35											
DETENTION TIME 1.66											
TOTAL REVOLUTIONS 139405 WIND DIRECTION 045											
AVERAGE R.P.M. 93.0 STATE OF SEA Moderate											
TOTAL MILES BY ENGINE 520 STATE OF WEATHER 810											
TOTAL MILES BY OBSERVATION 435											

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZ. MACH. IN OPERATION #1+2 BOILERS 1+2 F.W. BLOWERS. 1+2 MAIN F.O. PMPs. 1+2 F.O.S. PMPs. M.H. AIR COMP. M.H. AIR PMP. 2 MAIN CONDENSATE PMA 1 L.O.S. PMP. L.O. PURIFIER. FIRE & SAN PMP. M.H. AIR EJECTOR. 1+2 AUX GENERATORS. AUX AIR EJECTOR. CONDENSATE F. CIAL. PMPs. OVER TO MAIN. PORT STEERING GEAR. A.C. UNIT. TESTED OVERSPEED TRIP & LOW L.O. ALARM ON M.H. TURBINE. TOPPED OFF PORT SETT. FROM #2 F.O. TKS. PUMPED ALL BILGES. CHECKED STEERING GEAR. BLEW TUBES. MADE ROUTINE INSPECTIONS OF MACH & ER. SPACES.

MAIN CONDENSATE .41 GPG

1600-2000 WATCH

STEAMING AS BEFORE ON 18 NOZZLES. CHANGED AND CLEANED TOP & CENTER BURNER IN #1 BOILER. CHECKED ALL MACHINERY AND SPACES. PUMPED BILGES IN ENG. ROOM. ROUTINE WATCH AND INSPECTIONS.

WATCH ENGR'S SIGNATURE -

Healey Bunn

M.H. COND. .41 GPG.

2000-2400 WATCH

UNDERWAY ON 18 NOZZLES. MACH. IN OPERATION AS BEFORE. CHANGED BURNERS. PUMPED BILGES. ROUTINE INSP OF ALL OPERATING MACH. RETARDED CLOCKS 20 MIN AT 2300 HOURS. NORMAL STEAMING WATCH. HELD CASUALTY DRILL E-2 BOILER TUBE FAILURE. BRIDGE NOTIFIED @ 2230

Conditions Normal.

WATCH ENGR'S SIGNATURE -

Am Jones

COND .4 GPG.

2400-0400 WATCH

UNDERWAY ON 18 NOZZ MACH AS BEFORE. CHANGED & CLEANED F.O. BURNERS & STRAINERS. RETARDED CLOCKS 20 MINS @ 0100. CHECKED STEERING ER. GEAR. #2 SPRING BEARING RUNNING WARM CLEANED WICKS & FLUSHED OUT SAME. PUMPED BILGES. TOPPED OFF PORT SETTLERS FROM #4 & MADE ROUTINE INSPECTIONS OF MACH AND ER. SPACES.

WATCH ENGR'S SIGNATURE -

Clemens

M.H. CONDENSATE .41 GPG

0400-0800 WATCH

STEAMING AS BEFORE ON 18 NOZZLES. AT 0500 RETARDED CLOCKS (20 MIN) SHIFTED AND CLEANED F.O. suction strainer. CHECKED ALL MACH. AND ER. SPACES. ROUTINE UNDERWAY WATCH. CARRIED OUT STANDING AND REGT ORDERS.

WATCH ENGR'S SIGNATURE -

Healey Bunn

M.H. COND. .41 GPG.

0800-1200 WATCH

UNDERWAY ON 18 NOZZLES. MACHINERY IN OPERATION AS BEFORE. CHANGED F.O. BURNERS. CLEANED PORT F.O. STRAINER. TRANSFERRED F.O. FROM #4 TO #45 TO TRIM SHIP. SHIFTED TO INBOARD SETTLER. ROUTINE INSPECTION OF ALL OPERATING MACH. PUMPED BILGES. NORMAL STEAMING WATCH. CHECKED STEERING GEAR.

Conditions Normal.

WATCH ENGR'S SIGNATURE -

Am Jones

COND .4 GPG

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE -

Clemens

BOILER WATER

WS STB'D F5 TWT WS F5

5381 HOL'S 2800 L.O.S. 5406 - 288

AKL 10.51 8.76

T-AKL 15.77 12.85

SPL. 4.97 4.14

60 INCH 60

1000 -

503-95 - 505-70

CHIEF ENGR'S SIGNATURE -

Am Jones

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZ MACH IN OPERATION #1-2 BLRS. 1-2 F.O. BLOWERS 1-2 F.O. S. PMPs. 1-2 MN Feed PMPs. MN AIR COMPRESSOR. 1 MN CIRC PMP. 2 MN CONDENSATE PMP. 1 L.O. SERVICE PMP. L.O. PURIFIER. MN AIR EJECTOR. F.O. UNIT. AUX AIR EJECTOR. CIRC PMP & AUX COND. OVER to MAIN. PORT STEERING GEAR. FIRE & SAN PUMP. STBY FEED PUMP. FLUATING. Tested OVERSPEED TRIP & LOW L.O. ALARM ON MN TURBINE. PUMPED Bilges. Checked steering ER. Gear. Tapped off PORT F.O. SET FROM #4-5 #1 F.O. TRANSFER PUMP out of order FOR REPAIRS. Checked ALL MACHINERY. BLEW TUBES

WATCH ENGR'S SIGNATURE - Henry Runney

1600-2000 WATCH

Steaming as before on 18 nozzles. Changed and cleaned center burner on #1 & 2 boilers. shifted and cleaned main L.O. strainer. 0610 Closed W.T. Doors. Routine watch and inspections of machinery and spaces.

Conditions normal.

MN CONDENSATE. HIG PG.

WATCH ENGR'S SIGNATURE - Jim Jones

2000-2400 WATCH

UNDERWAY ON 18 NOZZLES, MACHINERY IN OPERATION AS BEFORE. CHANGED LOWER F.O. BURNERS. PUMPED bilges. & FWD HOLDS. ROUTINE INSP OF ALL OPERATING MACH. NORMAL STEAMING WATCH. SHIFTED TO OUTBOARD F.O. SETTLER

Cond. 4 GPG.

WATCH ENGR'S SIGNATURE - Clemens.

2400-0400 WATCH

UNDERWAY ON 18 NOZZ MACH AS BEFORE. CHANGED & CLEANED FE. BURNERS & DISCH. STRAINER. Checked steering ER. Gear. Inspected & cleaned L.O. STRAINERS ON #1-2 AUX GENERATORS. PUMPED Bilges. JRS MAKING REPAIRS ON F.O. TRANSFER PUMP. MADE ROUTINE INSPECTIONS OF MACH. & ER. SPACES. Tapped off PORT SETTLERS FROM #4-5 & 6

MAIN CONDENSATE. HIG PG.

WATCH ENGR'S SIGNATURE - Henry Runney

0400-0800 WATCH

Steaming as before on 18 nozzles. Shifted and cleaned F.O. suction strainer. Checked all mach. and mach. spaces. Routine underway watch and inspections. Pumped Cargo holds & Eng. room bilges. Added one gallon of oil in #1 main fuel pump.

Conditions normal.

MN Condensate (1) one drop.

WATCH ENGR'S SIGNATURE - Jim Jones

0800-1200 WATCH

UNDERWAY ON 18 NOZZLES, MACHINERY IN OPERATION AS BEFORE. BLEW TUBES ON #1-2 BOILERS @ 0810. CHANGED LOWER F.O. BURNERS. CHANGED TO INBOARD F.O. SETTLER @ 0830. CHECKED ALL OPERATING MACH. #1 F.O. TRANS PUMP down FOR REPAIRS. PUMPED bilges & #3-4 STBD holds. NORMAL STEAMING WATCH.

Cond. 4 GPG.

WATCH ENGR'S SIGNATURE - Clemens.

CHIEF ENGINEER

FOUNDER WATER BENT

S 2 F5 P 2 W5 F5

I 52824 P 55430-312

I 7.59 P 8.18

I 10.57 P 12.26

S 3.73 P 4.14

P 35 P 55

F 55-563-65

CHIEF ENGR'S SIGNATURE - [Signature]

USNS Gen John Pope TAP16 VOYAGE NO. 5-B FROM Tecoma Wash. TO OKINAWA. TYPE OF VESSEL P-2-B DATE 9-19-20-64

WATCH							WATCH						
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME							AFT. H. P. ROTOR BEARING						
DETENTION TIME							FORWARD L. P. ROTOR BEARING						
REVOLUTION COUNTER (END OF WATCH)							AFT. L. P. ROTOR BEARING						
TOTAL REVOLUTIONS (FOR WATCH)							HOTTEST GEAR BEARING FORWARD						
AVERAGE RPM							HOTTEST GEAR BEARING AFT						
F.O. METER (END OF WATCH)							AUX. COND. CONDENSATE						
F.O. CONSUMED							1ST STAGE FEED WATER HEATER						
PRESSURES	THROTTLE	450	450	450	450	450	TEMPERATURES	D. C. FEED WATER HEATER					
	H.P. AHEAD	450	450	450	450	450		3RD STAGE FEED HP WATER HEATER					
	L.P. AHEAD	30	30	30	30	30		F.O. TO BURNERS					
	VACUUM	27.4	27"	27.4	27.5	27.5		F.O. BACK PRESSURE					
	L.O. TO TURBINES	12	12	12	12	12		AIR TO FURNACE					
	AUX. STEAM	140	140	140	140	140		UPTAKE					
	BACK PRESSURE	9	9	9	9	9		MAIN STEAM					
	GLAND STEAM	4	4	4	4	4		SUPER HEAT					
	H.P. BLEEDER	75	75	75	75	75		F.O. TO BURNERS					
	I.P. BLEEDER	-	-	-	-	-		F.O. TEMP. IN SETTLING TANKS					
TEMPERATURES	L.P. BLEEDER	9"	9"	9"	9	9"	PRESSURES	PORT BOILER UPTAKE					
	STEAM AT THROTTLE	675	685	685	680	685		STBD. BOILER UPTAKE					
	L.P. EXHAUST	117	118	117	115	116		ENGINE ROOM TEMPERATURE					
	CONDENSATE	113	114	114	112	112		FIRE ROOM TEMPERATURE					
	CIRC. WATER IN	86	86	83	85	85		NOZZLES IN USE					
	CIRC. WATER OUT	98	96	98	94	96		NO. OF BURNERS IN USE					
	L.O. TO COOLERS	124	126	125	126	126		BURNER TIP SIZE					
	L.O. FROM COOLERS	108	108	108	107	108		CO ₂ % PORT BOILER					
	TEMPERATURE THRUST BEARING	117	116	116	115	116		CO ₂ % STBD. BOILER					
	FORWARD H.P. ROTOR BEARING	133	132	132	130	132		OIL LEVEL MAIN SUMP					

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL												
	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	FUEL OIL	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	
1200 TO 1600	1	1200	450	675	9	125	115		62	800	800	235			9526730	9508110	17620	8422	-0-	806	7616	997	177	968	206
	2	1200	450	675	7	150	132		54	800	800	235													
1600 TO 2000	1	1200	450	685	9	124	115		62	700	1000	235													
	2	1200	450	685	7	148	130		54	700	1000	235													
2000 TO 2400	1	1200	450	685	9	124	114		62	800	800	240													
	2	1200	450	685	7	148	130		54	800	800	240													
2400 TO 0400	1	1200	450	680	9	123	113		62	800	800	235													
	2	1200	450	680	7	148	131		54	800	800	235													
0400 TO 0800	1	1200	450	685	9	122	112		62	750	750	235													
	2	1200	450	685	7	146	130		54	750	750	235													
0800 TO 1200	1	1200	450	690	9	122	112		62	750	750	235													
	2	1200	450	690	7	146	130		54	750	750	235													

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 ²⁰ MIN	4 ¹⁵	260 mi.	

SUMMARY		
RUNNING TIME	1500	PERCENT OF SLIP ^{POS} 15.2
DETENTION TIME	-	BBL FUEL/MI 1.53 1.81
TOTAL REVOLUTIONS ^{AVG}	141003	WIND DIRECTION 120
AVERAGE R.P.M.	94.0	STATE OF SEA Mod.
TOTAL MILES BY ENGINE	526	STATE OF WEATHER 85°
TOTAL MILES BY OBSERVATION	446	

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZ. MACH. IN OPERATION #1+2 BLAS 1+2 FO BLAS 1+2 F.O.S. P.M.P.S. 1+2 MAIN FA. P.M.P.S. Stby Floating. 1 MN. CIRC. 2 MN CONDENSATE P.M.P. 1 LOW P.M.P. L.O. PURIFIER. MAIN AIR EJECTOR. FIRST SAN P.M.P. MN AIR COMPRESSOR. 1+2 AUX GENERATORS. AC UNIT. AUX AIR EJECTOR. AUX CIRC. & CONDENSATE P.M.P. OVER to MAIN. PORT STEERING GEAR. TESTED OVERSPEED TRIP. LOW L.O. ALARM & MAIN THROTTLE. CHECK STEERING ER. GEAR. TAPPED OFF PORT SGT. FROM #5 & OUTBD. SHIFTED FO SUCT TO PORT INBD SETTLER. MADE ROUTINE INSPECTIONS OF MACH & ER SPACES. BLOW TUBES. PUMPED BILGES. MAIN CONDENSATE. 41 GPG.

1600-2000 WATCH

STEAMING AS BEFORE ON 18 NOZZLES. CHANGED AND CLEANED CENTER BURNERS ON #1+2 BOILERS. SHIFTED AND CLEANED MAIN L.O. STRAINER. PUMPED ENG. ROOM BILGES. CHECKED ALL MACHINERY & SPACES. ROUTINE SEA WATCH.

Conditions Normal.

CONDENSATE. 41 GPG.

2000-2400 WATCH

UNDERWAY ON 18 NOZZLES, MACH IN OPERATION AS BEFORE. CHANGED & CLEANED LOWER F.O. BURNERS. CHECKED ALL MACHINERY IN OPERATION & STEERING ENG ROOM PUMPED ENGINE ROOM BILGES & #25 HOLD. RETARDED CLOCK 20 MIN @ 2300 HRS. NORMAL STEAMING WATCH.

COND 14 GPG.

2400-0400 WATCH

UNDERWAY ON 18 NOZZ MACH AS BEFORE CHANGED & CLEANED TOP FUEL OIL BURNERS & DISCH STRAINER. RETARDED CLOCKS 20 MINS @ 0100 INSPECTED & CLEANED L.O. STRAINER ON #1+2 AUX GENERATORS. TAPPED OFF PORT SGT. FROM #5 & OUTBD FO. HRS. HELD ENGS CASUALTY DRILL E-3 HIGH SALINITY IN BOILERS. WATCH INST & BRIDGE NOTIFIED 0200-0230 PUMPED BILGES. CHECKED STEERING ER. GEAR. MADE ROUTINE INSPECTIONS OF MACHINERY & ENGS SPACES.

MAIN CONDENSATE. 41 GPG.

0400-0800 WATCH

STEAMING AS BEFORE ON 18 NOZZLES. AT 0500 RETARDED CLOCKS (20 MIN). SHIFTED AND CLEANED F.O. SUCTION STRAINER. 0500 TO 0530 HELD CASUALTY DRILL E-3 HIGH SALINITY IN THE HAILER. (4) FOUR MEN PRESENT. ADDED (1) ONE GALLON OIL IN #1 MAIN FUEL PUMP. CARRIED OUT ROUTINE WATCH. PUMPED ALL RIGHT CARGO HALVES.

Conditions Normal.

CONDENSATE. 41 GPG. (1) DROP

0800-1200 WATCH

UNDERWAY ON 18 NOZZLES, MACHINERY IN OPERATION AS BEFORE CHANGED AND CLEANED LOWER FO ATOMIZERS, CHECKED ALL MACHINERY IN OPERATION INCLUDING STEERING ENG. 0800 BLEW TUBES ON 1+2 BLAS, 1112 SHIFTED FROM INBD TO OUTBOARD FO SETTLER, HELD E-3 CASUALTY DRILL, 0930 TO 1050 BRIDGE NOTIFIED

COND 14 GPG.

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE.

Clemens.

Bilge Water Test.

WS- STBD. FS PORT. WS- FS

5429 HOUR 2848 HOURS. 5454-336

P-AKL 8.76 P-AKL 7.58

T-AKL 11.68 T-AKL 11.10

CL. 3.73 SAL. 3.73

PHOS. 30 PHOS. 35

503-45 503-48

CHIEF ENGR'S SIGNATURE.

Clemens.

USNS Gen John Pope TAP 110 VOYAGE NO. 5-13 FROM Tacoma Wash TO OKINAWA TYPE OF VESSEL P-2-G DATE 9-20-21-61

WATCH							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)							1110	1113	1115	1117	1120	1122							
TOTAL REVOLUTIONS (FOR WATCH)							9930	3050	250	9450	2460	4830							
AVERAGE RPM							23270	23120	23200	23200	23010								
F.O. METER (END OF WATCH)							97.0	96.3	94.4	96.7	95.8	93.0							
F.O. CONSUMED							9529	9532	9532	9538	9541	9547							
							740	640	640	570	410	160							
							3010	2900	2880	3050	2840	2750							
THROTTLE							450	450	450	450	450	450							
H.P. AHEAD							450	450	450	450	450	450							
L.P. AHEAD							29	29	30	30	24	24							
VACUUM							27.4	27.4	27.5	27.5	27.5	27.5							
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							4	4	4	4	4	4							
H.P. BLEEDER							78	78	78	78	75	75							
I.P. BLEEDER							-	-	-	-	-	-							
L.P. BLEEDER							9	9	9	9	9	9							
STEAM AT THROTTLE							685	685	685	685	680	685							
L.P. EXHAUST							118	118	118	118	120	120							
CONDENSATE							115	114	114	115	116	114							
CIRC. WATER IN							86	86	84	85	85	84							
CIRC. WATER OUT							98	98	100	99	98	98							
L.O. TO COOLERS							126	126	126	125	126	126							
L.O. FROM COOLERS							109	109	109	108	108	108							
TEMPERATURE THRUST BEARING							118	116	117	117	116	115							
FORWARD H.P. ROTOR BEARING							132	132	133	131	130	130							
									</										

GENERATORS												FUEL - WATER AND LUBE OIL					
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	FUEL OIL	BOILER WATER	LUBE OIL	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED
1200 TO 1600	1	1200	450	685	9	125	115		62	850	800	METER AT NOON	9544	160	291		
	2	1200	450	685	7	150	132		54	850	800	METER PREVIOUS NOON	9526	730	14		
												CONSUMED BY METER	17430		272		
												ON HAND AT START OF DAY	7616				
												RECEIVED DURING DAY	-0-		5540		
												EXPENDED DURING DAY	800		-0-		
												REMAINING ON BOARD	6816		5530		
1600 TO 2000	1	1200	450	685	9	124	114		62	800	800	ON HAND AT START OF DAY	968				10
	2	1200	450	685	7	150	130		54	800	700	EVAPORATED OR RECEIVED	184				
												ON HAND	900				
												CONSUMED	252				
2000 TO 2400	1	1200	450	685	9	125	114		62	800	800	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
	2	1200	450	685	7	150	130		55	800	800	L.O. CENTRIFUGE - HOURS OPERATED					
												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
												4	4	4	3	4	4
2400 TO 0400	1	1200	450	685	9	125	115		64	750	750	SUMMARY					
	2	1200	450	685	7	150	132		57	750	750	RUNNING TIME	1440	PERCENT OF SLIP	14.6		
												DETENTION TIME	-0-	BBL FUEL/MI	1.58		
												TOTAL REVOLUTIONS	135530	WIND DIRECTION	090		
												AVERAGE R.P.M.	94.1	STATE OF SEA	Mod.		
												TOTAL MILES BY ENGINE	505	STATE OF WEATHER	850		
												TOTAL MILES BY OBSERVATION	431				
0800 TO 1200	1	1200	450	685	9	125	115		64	750	750						
	2	1200	450	685	7	150	132		54	750	750						

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZ. MACH IN OPERATION #1 & 2 BAILERS 1 & 2 F.A. BLOWERS
 1 & 2 F.O.S. PUMPS. 1 & 2 M.N. FEED PUMPS STBY FLEETING. 1 M.N. FIRST & 2 M.N. CONDENSATE PUMPS. 1 L.O. PUMP
 L.O. PURIFIER. MAIN AIR EJECTOR. 1 M.N. AIR COMPRESSOR. 1 FIRE & SPN. PUMP. AUX AIR EJECTOR. AUX
 CIRC. CONDENSATE PUMPS OVER to MAIN. PORT STEERING GEAR. A.G. UNIT. Tested OVERSPEED
 TRIP & LOW L.O. ALARM MATHART ON M.N. TURBINE. PRIMED BILGES. TAPPED OFF PORT SETT. FROM #5 & 6
 OUTBD P.K.S. COLLISION DRILL @ 1534 S.W. @ 1515 H. @ 1534 G.V. OPEN FOR DRILL
 BLEW TUBES. MADE ROUTINE INSPECTIONS OF MACH. SPACES. WATCH ENGR'S SIGNATURE: *Henry Bunn*

1600-2000 WATCH

STEAMING AS BEFORE ON 18 NOZZLES. CHARGED AND CLEANED CENTER
 BURNERS IN #1 & 2 BAILERS. SHIFTED & CLEANED MAIN L.O. STRAINER. PUMPED
 CARGO HOLES. AT 1815 CLOSED W.T. DOORS. CARRIED OUT ROUTINE WATCH
 AND INSPECTIONS.

Conditions Normal.

Condensate (1) one drop.

WATCH ENGR'S SIGNATURE: *Jim Jones*

2000-2400 WATCH

UNDERWAY ON 18 NOZZLES, MACHINERY IN USE AS BEFORE
 CHECKED ALL MACHINERY IN USE INCLUDING STEERING ENG, CLEANED
 LOWER BURNER ATOMIZERS, 2200 SHIFTED FO SUCK TO INBD SETTLER

Cond. .4 GPG.

WATCH ENGR'S SIGNATURE: *Henry Bunn*

2400-0400 WATCH

UNDERWAY ON 18 NOZZ MACH AS BEFORE CHARGED & CLEANED TO F.O.
 BURNERS. DISCH STRAINER SECURED L.O. PURIFIER @ 0000 CLEANED & BACK IN OPERATION @
 0100. TAPPED OFF PORT SETTLERS FROM #5 & 6 CHECKED STEERING R.R. GEAR PUMPED
 BILGES. MADE ROUTINE INSPECTIONS OF MACHINERY & W.R. SPACES.

MAIN COND. .4 GPG

WATCH ENGR'S SIGNATURE: *Henry Bunn*

0400-0800 WATCH

STEAMING AS BEFORE ON 18 NOZZLES. SHIFTED AND CLEANED F.O. SUCTION
 STRAINER. AT 0650 #1 FEED PUMP HAD A GASKET. STOPPED ENG. TO 16 NOZZLES.
 CHECKED ALL MACHINERY AND MACH. SPACES. CARRIED OUT WATCH & INSPECTIONS.

Condensate test (1) drop.

WATCH ENGR'S SIGNATURE: *Jim Jones*

0800-1200 WATCH

UNDERWAY ON 16 NOZZLES, MACHINERY IN USE AS BEFORE, CHECKED
 ALL MACHINERY IN USE INCLUDING AFT STEERING ENGINE, CLEANED LOWER
 BURNER ATOMIZERS, BLEW TUBES IN P+S BLRS 0800 TO 0835, SHIFTED
 TO OUTBOARD FO SETTLING TANK AT 0945, PUMPED BILGES, TESTED MAIN
 ENG LOW LUBE OIL ALARM

WATCH ENGR'S SIGNATURE:

CHIEF ENGINEER

Bailer - Test.

WS STBD. FS. PORT WS - FS

5453 HRS. 1864 - HRS. 5478 - 360

P-AKL 9.34 P-AKL 7.01

T-AKL 11.68 T-AKL 12.85

SAL. ? SAL. ? Cooler has rupture tube, Could not test for salinity.

50°-47 50°-55

PA4-35 PD4-35

CHIEF ENGR'S SIGNATURE: *Jim Jones*

USNS GEN John Pope T-1201 VOYAGE NO. 5-B FROM Tacoma Wash. TO OKINAWA TYPE OF VESSEL P-2-G DATE 9-21-23-66

WATCH							WATCH						
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		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)	1124	1126	1129	1131	1134	1136							
TOTAL REVOLUTIONS (FOR WATCH)	7040	9420	3710	8020	2150	4260							
AVERAGE RPM	92.5	92.8	93.4	93.5	92.8	92.1							
F.O. METER (END OF WATCH)	9548	9549	9548	9555	9558	9558							
F.O. CONSUMED	860	538	538	500	460	460							
	2700	2670	3000	2970	2960	2970							
PRESSURES	THROTTLE	450	450	450	450	450	TEMP. BOILER PARTICULARS PRESS. TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	135	135	135	135	135
	H.P. AHEAD	450	450	450	450	450		FORWARD L. P. ROTOR BEARING	132	132	132	132	130
	L.P. AHEAD	24	24	24	25	25		AFT. L.P. ROTOR BEARING	130	130	130	130	128
	VACUUM	27.4	27.2	27.2	27.2	27.2		HOTTEST GEAR BEARING FORWARD	153	152	154	153	154
	L.O. TO TURBINES	12	12	12	12	12		HOTTEST GEAR BEARING AFT	150	150	148	151	150
	AUX. STEAM	140	140	140	140	140		AUX. COND. CONDENSATE	113	118	112	114	114
	BACK PRESSURE	9	9	9	9	9		1ST STAGE FEED WATER HEATER	166	166	165	166	165
	GLAND STEAM	3	3	3	3	3		D. C. FEED WATER HEATER	240	240	240	240	240
	H.P. BLEEDER	78	75	75	75	75		NO. 2 FEED WATER HEATER	1050	-	-	-	-
	L.P. BLEEDER	9	9	9	9	9		F.O. TO BURNERS	180	200	190	190	200
TEMPERATURES	STEAM AT THROTTLE	685	685	685	680	675	TEMP. BOILER PARTICULARS PRESS. TEMPERATURES (CONT'D)	F.O. BACK PRESSURE	10	10	10	10	10
	L.P. EXHAUST	115	115	115	116	116		AIR TO FURNACE	14.5	8.0	7.5	7.5	6.2
	CONDENSATE	113	112	112	114	112		UPTAKE	6.5	-	-	-	-
	CIRC. WATER IN	85	86	84	86	86		MAIN STEAM	460	460	460	460	460
	CIRC. WATER OUT	98	98	98	98	98		SUPER HEAT	735	735	740	730	730
	L.O. TO COOLERS	124	124	124	124	124		F.O. TO BURNERS	210	210	210	210	210
	L.O. FROM COOLERS	108	108	108	107	108		F.O. TEMP. IN SETTLING TANKS	127	100	114	99	100
	TEMPERATURE THRUST BEARING	115	115	115	115	115		PORT BOILER UPTAKE	310	310	320	325	325
	FORWARD H.P. ROTOR BEARING	129	129	130	128	126		STBD. BOILER UPTAKE	300	300	300	310	310
								ENGINE ROOM TEMPERATURE	99	96	95	94	94
								FIRE ROOM TEMPERATURE	99	96	95	94	94
MISCELLANEOUS							MISCELLANEOUS	NOZZLES IN USE	16	16	16	16	16
								NO. OF BURNERS IN USE	6	6	6	6	6
								BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70
								CO2 % PORT BOILER					84%
								CO2 % STBD. BOILER					84%
								OIL LEVEL MAIN SUMP	1'	1'	1'	1'	1'

GENERATORS												FUEL - WATER AND LUBE OIL			
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	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY
1200 TO 1600	1	1200	450	685	9	126	116		62	800	800	9558	460	14300	272
	2	1200	450	685	7	152	134		54	800	800	9544	160	767	51
1600 TO 2000	1	1200	450	685	9	125	115		62	750	750	6810		6043	295
	2	1200	450	685	7	150	132		54	750	750	-0-		767	28
2000 TO 2400	1	1200	450	685	9	124	108		62	750	750	6043		6043	5530
	2	1200	450	685	7	124	108		54	750	750	900		181	-0-
2400 TO 0400	1	1200	450	680	9	125	115		62	800	750	849		232	5520
	2	1200	450	680	7	150	132		54	800	750	232			10
0400 TO 0800	1	1200	450	675	9	123	114		62	700	700				
	2	1200	450	675	7	148	130		54	700	700				
0800 TO 1200	1	1200	450	680	9	120	114		62	750	750				
	2	1200	450	680	7	148	130		54	750	700				
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 1/2	4 1/2
												SUMMARY			
												RUNNING TIME	1500	PERCENT OF SLIP	13.6
												DETENTION TIME	-	BBL FUEL/MI	1.45
												TOTAL REVOLUTIONS	137810	WIND DIRECTION	120
												AVERAGE R.P.M.	91.8	STATE OF SEA	Mod.
												TOTAL MILES BY ENGINE	514	STATE OF WEATHER	88°
												TOTAL MILES BY OBSERVATION	444		