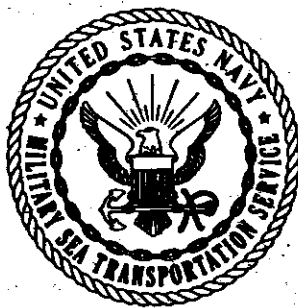


ENGINE ROOM LOG

GEARED TURBINE DRIVE



USNS _____

FROM _____ 19 ____ TO _____ 19 ____

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 ship, and with pen and ink or idelible pencil. No erasures nor the removal of any pages will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or idelible 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, including violations of orders or regulations. Entries 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 accomplished during watches.

(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.; details to be recorded in Machinery History.

(e) Pumping of bilges.

(f) Blowing of tubes (*not applicable to Diesel and Diesel Electric*).

(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) Record of special tests, i.e., running idle pumps, reach rods to valves, hydrostatic.

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

(k) Filtering and cleaning elements installed in fuel and lube oil lines.

5. In twin screw ships when the machinery for each propeller is in separate Engine rooms, two books shall be utilized and each book shall be properly marked to indicate to which Engine room machinery it applies. When both Engines of a twin screw ship are in the same Engine space, proper identification of operating machinery will be pre-printed on each page or hand written on each page prior to daily operations.

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	240	240	260	260	260	240	HOTTEST GEAR BEARING FORWARD			145	145	142	144
DETENTION TIME		0		0	0		HOTTEST GEAR BEARING AFT			140	140	140	142
REVOLUTION COUNTER (END OF WATCH)	3361	3361	3364	3366	3368	3371	AUX. COND. CONDENSATE	HN	HN	HN	HN	HN	HN
TOTAL REVOLUTIONS (FOR WATCH)	21330	13280	23770	23330	21740		1ST STAGE FEED WATER HEATER	14E	14E	150	150	150	150
AVERAGE RPM	58.8	89.5	91.2	89.7	90.6		O. C. FEED WATER HEATER	237	237	238	235	235	238
F.O. METER (END OF WATCH)	3558	3558	3558	3558	3558	3558	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED			2800		3300	1740	SUPER HEAT	P	730	730	725	725	750
THROTTLE	400	400	390	390	390	390	S			730	730	730	745
H.P. AHEAD	390	390	390	390	390	390	F.O. TO BURNERS		300	190	190	190	190
L.P. AHEAD	16	16	16	16	16	17	AIR TO FURNACE	P		106	108	105	108
VACUUM	28	29.5	29.8	28	29	29	S			107	108	108	110
L.O. TO TURBINES	13	13	13	13	13	13	F.O. TEMP. IN SETTLING TANKS	P					
AUX. STEAM	150	150	150	150	150	150	S						
BACK PRESSURE	13	10	10	10	10	11	PORT BOILER UPTAKE						
GLAND STEAM	1	10	10	10	10	0	STBD. BOILER UPTAKE						
H.P. BLEEDER	50	50	50	50	50	50	F.O. BACK PRESSURE		180	0		0	
L.P. BLEEDER		12	12	12	12	12	MAIN STEAM		440	440	440	440	440
L.P. BLEEDER		22	22	22	22	20	F.O. TO BURNERS		220	200	200	190	220
STEAM AT THROTTLE	720	400	725	725	750	730	MAIN COND. SALINITY						
L. P. EXHAUST	90	90	90	90	98	100	ENGINE ROOM TEMPERATURE						
CONDENSATE	90	90	90	90	92	92	FIRE ROOM TEMPERATURE						
CIRC. WATER IN	60	60	60	60	62	67	NOZZLES IN USE		12	14	14	14	16
CIRC. WATER OUT	71	71	72	72	72	73	NO. OF BURNERS IN USE	P	3	3	3	3	3
L.O. TO COOLERS	136	129	130	130	136	132	S		3	3	3	3	3
L.O. FROM COOLERS	112	110	112	112	110	110	BURNER TIP SIZE	P	70	A	A	A	A
TEMPERATURE THRUST BEARING	141	145	145	142	144	143	S		70	A	A	A	A
FORWARD H.P. ROTOR BEARING	130	126	124	124	124	124	CO. 2 PORT BOILER						
AFT. H.P. ROTOR BEARING	135	130	130	130	126	125	CO. 2 STBD. BOILER						
FORWARD L.P. ROTOR BEARING	138	135	132	132	130	130	OIL LEVEL MAIN SUMP			OK	Low	T	OK
AFT. L.P. ROTOR BEARING	136	130	128	128	125	128							

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		DIESEL OIL			
													METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	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	RECEIVED	CONSUMED
1200 TO 1600	3		440	720	8	134	114		70	990		245												
	3		440	720	8	131	112		70	990	1000	245												
1600 TO 2000	3	1200	440	720	8	134	113		70	1000	1000	235												
	4																							
2000 TO 2400	3	1200	440	725	8	132	112		70	1000	1000	235												
2400 TO 0400	3		440	725	8	131	112		65	1000		245												
	3		440	725	8	131	112		65	1000		245												
0400 TO 0800	3	1200	440	740	8	134	113		65	1200	1200	235												
0800 TO 1200	3	1200	440	730	8	130	110		70	1200	1200	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		2 1/2						
SUMMARY																								
RUNNING TIME																	PROPELLER SLIP (%)							
DETENTION TIME																	HBL FUEL MI							
TOTAL REVOLUTIONS																	WIND DIRECTION							
AVERAGE R.P.M.																	STATE OF SEA							
TOTAL MILES BY ENGINE																	STATE OF WEATHER							
TOTAL MILES BY OBSERVATION																								

REMARKS

1200-1600 WATCH

Machinery in operation as follows: Main 2100, Elect Lub oil pump, #3 Cond pump, main air pump, 364 Boilers P.S. Main Feed pumps, #3 Turbo Gen, Aux air pump, 500 ft pump, Fresh water pump, Steam Potable water pump, a make up Feed pump, Long range exhaust bilges, Clean burners in #3 Boiler, clean F.O. suction, discharge strainers. Five pumps on line to heading 153100. 10 heading 56855358, Counter Reading 53596.151. (Abandon ship Drill 15472, 50000000 1527). #4 Boiler, constant blow evap

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BLRS ADDED L.O. TO #4 H.W.F.D.P. CHANGED & CLEANED MIDDLE BURNERS & HOT OIL STRNRS.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - RETARDED CLOCK 20 MIN @ 2300 - COMPLIED WITH STANDING & NIGHT ORDERS - PUMPED BILGES - CHANGED F.W. SUCT. TO #3 STOP @ 2330 - #1 BOILER ON CONST. BLOW TO MAKE UP EVAP. TO TRIM SHIP

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Machinery in operation as before. Changed Fuel oil suction to BUT B High 540. 2001 make up Evap #4 BLR. Cleaned upper burners #3 & #4 Boiler & cleaned Fuel oil discharge strainers. Cleaned L.O. strainers main line & Turbo Gen L.O. strainers & cleaned lub oil purifier

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED BURNERS & F.O. DISCH STRNRS. #4 BLR ON CONST BLOW, SEC'D PURIFIER BECAUSE OF FAULTY GASKET NOTICED OIL LEAKING OUT OF #4 BLR WINDBOX. CHANGED BURNERS IN EFFORT TO STOP SAME. FILLED D.O. DAY TANK @ D.O. PURIFIER

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. AS BEFORE EXCEPT - INCREASED SPEED TO 16 KNOTS @ 0830 % B. STBY. F.O. PUMP ON LINE TO MAINTAIN WATER LEVEL #4 BOILER - INSTALLED NEW BOWL GASKET & HIT OFF PURIFIER @ 0930 - SEC. STIM. HEATING @ 1130 - BLEW TUBES #3 & #4 BOILERS CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 AUX. GEN. - COMPLIED WITH STANDING ORDERS - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

[illegible]

1200-1600 WATCH

Mach as follows Main Unit @ Elect L.O. pump & steam L.O. pump on stand by #3 main cond pump main circ pump, #3 & #4 Boiler, #2 Both main feed pumps & stand by feed pump #3 Elect Fo pump, #3 Turbo Rel sanitary pump, Potable w pump, Steam Potable w pump & Make up feed Evap #4 BLK, Both F.D. Fan, pumped engine & shaft alley bilges. Cleaned burners on #4 Boiler, cleaned discharge strainers F.O. #4 Boiler still carboning up.

WATCH ENGR'S SIGNATURE- J. Seaton

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BLRS. SEC'D #4 BLR TO MAKE-UP EVAP & LINED UP POT. W. BLEW DOWN EVAP AS NECESSARY. CHANGED & CLEANED BURNERS & HOT OIL STRNRS. HELD ENGINE CASUALTY DRILL E-1 AMONG WATCH PERSONNEL. NOTIFIED BRIDGE RAN COND SALINITIES. BOTTOM BURNER #4 BLR STILL CARBONING UP SLIGHTLY.

WATCH ENGR'S SIGNATURE- J. Seaton

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - BLEW DOWN B.B. EVAP. - HELD ENG. CASUALTY DRILL # E-1 FROM 2130 TO 2200 - INST. WATCH. - PUMPED ENG. ROOM BILGES, EVAP. FLAT & SHAFT ALLEY - RETARDED CLOCK 20 MIN. @ 2300 - COMPLIED WITH STANDING & NIGHT ORDERS - SALINITY MR. COND. 0.58

WATCH ENGR'S SIGNATURE- J. Seaton

2400-0400 WATCH

Mach as before, clean burners in Port Boiler. 0040 Stby Low water in port boiler secured fires. 0100 Low water in stb boiler @ 0130 restored water level in Port boiler. 0240 80 KPM water entering to proper level in stbd boiler. Stby feed readjusted on stby

WATCH ENGR'S SIGNATURE- J. Seaton

0400-0800 WATCH

MACH AS BEFORE AT 0435 MN CIRC PUMP CONTROLLER COIL STARTED BURNING SEC'D MN CIRC, PUT FIRE OUT @ CO₂, RAN UP L ON MN ENL TELE. SLOWED MN UNIT CROSSED OVER AUX CIRC DISCH TO MN. CALLED 1ST A/C. CHIEF ELECT. WORKING ON COIL RETARDED CLOCKS 20 mins @ 0500

WATCH ENGR'S SIGNATURE- J. Seaton

0800-1200 WATCH

MACH. AS BEFORE EXCEPT - INCREASED SPEED TO 14 NOZ. @ 0900 P/B - TELEGRAPH HT @ 0900 MN. CIRC. PUMP CONTROLLER TESTED O.K. & PUMP ON LINE @ 0845 - BRINING SPEED UP SLOWLY TO 14 NOZ - NOTIFIED BRIDGE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED F.O. BOTTOM BURNERS & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - PUMPED BILGES

WATCH ENGR'S SIGNATURE- J. Seaton

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- J. Seaton

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
NEW POPE				OAKLAND				P-2		12-2/3-65	

	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	HOTTEST GEAR BEARING FORWARD	136	140	106	106	134	134	
DETENTION TIME							HOTTEST GEAR BEARING AFT	128	136	116	116	132	132	
REVOLUTION COUNTER (END OF WATCH)	5389 2957	5387 1310	5389 2970	5392 420	5393 5000	5395 4860	AUX. COND. CONDENSATE		MN		MN			
TOTAL REVOLUTIONS (FOR WATCH)	2207	23350	21660	21760	19380	21660	1ST STAGE FEED WATER HEATER	150	150	150	150	150	150	
AVERAGE RPM	89.1	89.7	90.3	90.6	87.5	90.3	D. C. FEED WATER HEATER	238	237	238	234	236	238	
F.O. CONSUMED	300	320	290	2880	2660	2920	3RD STAGE FEED WATER HEATER							
PRESSURES	THROTTLE	400	400	400	390	390	390	SUPER HEAT	P 760	780	780	800	770	780
	H.P. AHEAD	390	390	390	390	390	390	S 750	780	780	760	770	780	
	L.P. AHEAD	30	23	20	19	19	19	F.O. TO BURNERS	210	190	190	195	250	195
	VACUUM	28	29	29	28.9	29	29	AIR TO FURNACE	P 114	108	108	110	112	
	L.D. TO TURBINES	13	13	13	13	13	13	S 110	115	112	116	120		
	AUX. STEAM	150	150	150	150	150	150	F.O. TEMP. IN SETTLING TANKS	P					
	BACK PRESSURE	10	10	10	10	10	12	S						
	GLAND STEAM	1	1	1	1	10	1.0	PORT BOILER UPTAKE						
	H.P. BLEEDER	80	80	80	80	80	80	STBD. BOILER UPTAKE						
	L.P. BLEEDER	12	12	12	12	12	12	F.O. BACK PRESSURE						
TEMPERATURES	L.P. BLEEDER	19	16"	17"	18	17"	17"	MAIN STEAM	440	440	440	440	440	440
	STEAM AT THROTTLE	760	780	780	780	780	780	F.O. TO BURNERS	210	310	280	290	250	260
	L. P. EXHAUST	100	100	100	100	100	100	MAIN COND. SALINITY		083				013
	CONDENSATE	89	98	97	86	98	97	ENGINE ROOM TEMPERATURE						
	CIRC. WATER IN	65	67	67	68	66	67	FIRE ROOM TEMPERATURE						
	CIRC. WATER OUT	81	82	80	84	80	80	NOZZLES IN USE	14	14	14	14	14	14
	L.O. TO COOLERS	135	130	124	126	128	125	NO. OF BURNERS IN USE	P 3	3	3	3	3	3
	L.O. FROM COOLERS	110	116	110	110	115	110	S 3	3	3	3	3	3	
	TEMPERATURE THRUST BEARING	143	117	112	112	118	116	BURNER TIP SIZE	P 4	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING	123	10	142	142	141	120	S 17	A	A	A	A	A	A
AFT. H.P. ROTOR BEARING	120	136	130	130	130	130	CO. % PORT BOILER							
FORWARD L.P. ROTOR BEARING	127	140	130	130	135	132	CO. % STBD. BOILER							
AFT. L.P. ROTOR BEARING	130	136	122	122	126	134	OIL LEVEL MAIN SUMP	OK	NORM	NORM	C.A.	NORM	NORM	

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	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	
1200 TO 1600	3	1200	440	740	8	133	110		70	1000		245														
1600 TO 2000	3	1200	440	780	8	136	110		70	1200	1200	235														
2000 TO 2400	3	1200	440	780	8	132	112		70	1050	1050	240														
2400 TO 0400	3	1200	440	780	8	134	110		70	1000	1000	240														
0400 TO 0800	3	1200	440	780	8	133	112		70	1350	1350	240														
0800 TO 1200	3	1200	440	780	8	130	110		70	1200	1200	240														

L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	4	4	4	4	4
1600 TO 2000	4	4	4	4	4
2000 TO 2400	4	4	4	4	4
2400 TO 0400	4	4	4	4	4
0400 TO 0800	4	4	4	4	4
0800 TO 1200	4	4	4	4	4

SUMMARY			
RUNNING TIME		PROPELLER 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			

1200-1600 WATCH

Mach 3.5 follows main unit & main circ pump & both main cond pumps elect LO pump & steam LO pump on std by #3 & #4 Boiler both main feed pumps & std by feed on line to #4 Boiler, elect Faser vice pump & Aux circ pump, 3 Turbo Gen sanitary pump & steam fresh water pumps, make up feed & vap discharging to 1st stage heater cleaned LO purifier, pumping bilge & shaft alley cleaned suction F.O. strainer & top burner in both boilers. 1200 hrs change to suction to high IVBD.

WATCH ENGR'S SIGNATURE - *W. H. Hopping*

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BURNERS STBD F.O. PUMP TRIPPED OUT AT MW BOARD. RE-STARTED PUMP & RE-LIT BURNERS. PUT MAKE-UP EVAP ON #3 BLR TO REDUCE SALINITY, STARTED CONTIN. EVAP TO #50 LINE BLEW DOWN HUE EVAP AS NECESSARY.

WATCH ENGR'S SIGNATURE - *W. H. Hopping*

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - BLEW DOWN B.B. EVAP. AS NECESSARY - PUMPING F.R. & SHAFT ALLEY BILGES.

WATCH ENGR'S SIGNATURE - *J. Seaton*

2400-0400 WATCH

Mach as before underway 14 NOZZ. Changed & cleaned top burners #3 & #4 Boiler & F.O. discharge strainers. cleaned LO strainer main unit & Turbo Gen #3. #2 std by feed pump blew gasket on discharge flange coming out of pump. Secured pump & input #4 main boiler feed pump on manual. Tightened up lower bolt on bottom side of flange.

WATCH ENGR'S SIGNATURE - *W. H. Hopping*

0400-0800 WATCH

MACH AS BEFORE. RECEIVED PERMISSION FROM 1ST A/E & BRIDGE TO SLOW MW ENG TO FACILITATE REPAIRS ON STBY F.D.P. CHANGED 2 GASKETS & CAME UP TO 14 NOZZLES @ 0615. #3 BLR ON CONSTANT BLOW EVAP.

WATCH ENGR'S SIGNATURE - *W. H. Hopping*

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BURNERS - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS - CHANGED L.O. STRAINER #3 AUX. GEN. - PUMPED UP D.C. STORAGE TR. - PUMPED BILGES.

WATCH ENGR'S SIGNATURE - *J. Seaton*

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE - *J. Seaton*

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	HOTTEST GEAR BEARING FORWARD	135	140	150	150	147	112
DETENTION TIME							HOTTEST GEAR BEARING AFT	116	135	140	140	136	120
REVOLUTION COUNTER (END OF WATCH)	5387 6900	5399 9200	5402 2780	5404 6710	5407 0740	5409 2950	AUX. COND. CONDENSATE		HN	MM		MM	MM
TOTAL REVOLUTIONS (FOR WATCH)	2204	22300	23580	23770	24030	22210	1ST STAGE FEED WATER HEATER	150	150	160	150	150	150
AVERAGE RPM	91.9	92.5	90.7	92	92.4	90.5	D. C. FEED WATER HEATER	238	238	240	235	230	240
F.O. METER (END OF WATCH)	156 360	156328 9890	5350 11430	54686 16130	5400 14680	9860 16130	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	2830	4360	3090	3120	3280	2910	SUPER HEAT	P 700 S 745	770	780	760	760	780
PRESSURES	THROTTLE	390	390	390	390	390	F.O. TO BURNERS	225	200	190	240	190	190
	H.P. AHEAD	390	390	390	355	390	AIR TO FURNACE	P S	114	112	115	115	110
	L.P. AHEAD	21	21	19	20	21	F.O. TEMP. IN SETTLING TANKS	P S					
	VACUUM	284	29	29	28	29	PORT BOILER UPTAKE						
	L.O. TO TURBINES	13	13	13	13	13	STBD. BOILER UPTAKE						
	AUX. STEAM	150	150	150	150	150	F. O. BACK PRESSURE						
	BACK PRESSURE	11	11	12	11	10	MAIN STEAM	430	440	440	440	440	440
	GLAND STEAM	1.0	1.0	1.0	1.0	1.0	F.O. TO BURNERS	225	240	240	240	240	230
	H.P. BLEEDER	80	80	80	80	80	MAIN COND. SALINITY		.013	.013	.012	.012	.041
	I.P. BLEEDER	9	10	12	9	10	ENGINE ROOM TEMPERATURE						
	L.P. BLEEDER	19	16"	16"	17"	17"	FIRE ROOM TEMPERATURE						
	STEAM AT THROTTLE	760	770	780	750	760	NOZZLES IN USE	14	14	14	14	14	14
	L. P. EXHAUST	104	101	101	104	101	NO. OF BURNERS IN USE	P 3 S 3	3	3	3	3	3
TEMPERATURES	CONDENSATE	97	99	100	103	98	BURNER TIP SIZE	P A S A	A	A	A	A	A
	CIRC. WATER IN	67	68	67	68	68	CO ₂ % PORT BOILER						
	CIRC. WATER OUT	80	80	82	86	84	CO ₂ % STBD. BOILER						
	L.O. TO COOLERS	125	125	129	137	130	OIL LEVEL MAIN SUMP	OK	NORM.	NORM.	NORM.	NORM.	NORM.
	L.O. FROM COOLERS	110	110	115	112	114							
	TEMPERATURE THRUST BEARING	144	118	118	154	118							
	FORWARD H.P. ROTOR BEARING	130	132	126	125	126							
	AFT. H.P. ROTOR BEARING	130	140	132	137	134							
	FORWARD L.P. ROTOR BEARING	133	128	136	135	136							
	AFT. L.P. ROTOR BEARING	130	132	128	128	128							

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	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	3	1200	730	430	8	125	110		70	1000		245						
1600 TO 2000	3	1200	760	440	8	134	112		70	1000	1000	240						
2000 TO 2400	3	1200		440	8	133	111		70	1		240						
2400 TO 0400	3	1200		440	8				70	1000		240						
0400 TO 0800	3	1200	440	760	8	132	111		70	1150	1150	240						
0800 TO 1200	3	1200	440	760	8	132	112		70	1200	1200	240						
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																		
L.O. CENTRIFUGE - HOURS OPERATED																		
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200												
	4	4	4 1/3	4.3	4 1/3	4												
SUMMARY																		
RUNNING TIME													PROPELLER 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

Mach. in operation as follows main unit 14 Nozzle main circulating pumps both main cond. pumps #1 Elect LO pump #2 ST LO pump on stby #3 6" Boiler #4 Both Fans #5 Both main feed pumps #6 main #7 Feed starting on line to #4 Boiler #8 make up boiler feed evap to 1st stage heater #9 Both Elect FO service pumps #10 Sanitary pump #11 steam F.W. pump #12 Turbo Gen. Cleaned burners & discharge strainers. Cleaned L.O. purifier. Confirmed Evap on line.

WATCH ENGR'S SIGNATURE

W. D. Hipping

1600-2000 WATCH

MACH AS BEFORE. PUT #4 BLR ON CONSTANT BLOW CLAP. BLEW TUBES #3 & #4 BLR.

WATCH ENGR'S SIGNATURE

W. D. Hipping

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS. CHANGED & CLEANED L.O. STRAINERS #3 AUX. GEN. - RETARDED CLOCK 20 MIN. @ 2300 - PUMPED BILGES - CHANGED TO OTDR. SETT. @ 2345 -

WATCH ENGR'S SIGNATURE

J. Seaton

2400-0400 WATCH

Mach as before underway 14 Nozzle #1 changed Top burners #3 6" Boiler. 0100 hrs retarded clocks 20 min. Cleaned FO discharge strainers #1 main unit LO strainer. Added seal LO to #4 main feed pump.

WATCH ENGR'S SIGNATURE

W. D. Hipping

0400-0800 WATCH

MACH AS BEFORE. RETARDED CLOCK 20 mins @ 0500. COMPOUNDED #3 BLR. #1 CONDENSATE. TIGHTENED PACKING GLANDS ON M.V. FD P. SIDE RODS

WATCH ENGR'S SIGNATURE

W. D. Hipping

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 DOWNERS - CHANGED & CLEANED F.O. BOTTOM BURNERS & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - STBY. FO. PUMP LEAKING WATER AT UPPER HEAD GASKET, WATER END - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

J. Seaton

CHIEF ENGINEER

12-4-65 @ 0400

3 P 30 4 P 10

T 50 T 30

CL 14.2 CL 16.3

Phos 5 Phos 7

SH 216 216

CHIEF ENGR'S 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			
RUNNING TIME			240	240	240	240	240			HOTTEST GEAR BEARING FORWARD	136	136	136	136	137	137		
DETENTION TIME			C							HOTTEST GEAR BEARING AFT	133	134	134	134	134	134		
REVOLUTION COUNTER (END OF WATCH)		5411 5450	5413 7840	5416 0250	5418 2840	5420 5590	5422 8230			AUX. COND. CONDENSATE								
TOTAL REVOLUTIONS (FOR WATCH)		22450	22440	22410	22440	22400	22440			1ST STAGE FEED WATER HEATER	150	150	150	152	152	150		
AVERAGE RPM		93.1	93.5	93.4	94.1	94.6	94.3			D. C. FEED WATER HEATER	239	239	240	240	240	240		
F.O. METER (END OF WATCH)		157 561784	2750 7560	4150 20330	157130 522160	8430 2300	24450			3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		2830	2900	2800		2890	2770			SUPER HEAT	P 740	730	740	740	735	750		
PRESSURES		THROTTLE	390	400	400	400	400	400			S 740	730	740	740	740	750		
		H.P. AHEAD	370	400	400	380	400	400	400			F.O. TO BURNERS	210	190	190	200	190	190
		L.P. AHEAD	21	21	20	20	21	20	20			AIR TO FURNACE	P 114	110	110	110	112	112
		VACUUM	28	29.5	29.5	28.5	29.5	29.5	29.5			S 116	115	115	115	116	118	
		L.O. TO TURBINES	12	13	13	13	13	13	13			F.O. TEMP. IN SETTLING TANKS	P					
		AUX. STEAM	150	150	150	150	150	150	150			S	1					
		BACK PRESSURE	11	11	12	10	10	10	12			PORT BOILER UPTAKE						
		GLAND STEAM	1.6	1.0	1.0	1.0	1.0	1.0	1.0			STBD. BOILER UPTAKE						
		H.P. BLEEDER	80	80	80	80	80	80	80			F. O. BACK PRESSURE						
		L.P. BLEEDER	9	9	9	7	5	9	9			MAIN STEAM	430	440	440	440	440	440
TEMPERATURES		L.P. BLEEDER	20"	19"	17"	18"	15"	15"			F.O. TO BURNERS	210	220	220	210	210	240	
		STEAM AT THROTTLE	730	730	740	740	740	740	750			MAIN COND. SALINITY	28 PPM	28		14 PPM	7	
		L. P. EXHAUST	104	101	100	100	101	101	101			ENGINE ROOM TEMPERATURE						
		CONDENSATE	104	104	99	97	100	101	101			FIRE ROOM TEMPERATURE						
		CIRC. WATER IN	65	67	68	67	67	67	67			NOZZLES IN USE	14	14	14	14	14	14
		CIRC. WATER OUT	86	84	82	83	86	82	82			NO. OF BURNERS IN USE	P 3	3	3	3	3	3
		L.O. TO COOLERS	134	131	130	133	131	126	126			S 3	3	3	3	3	3	3
		L.O. FROM COOLERS	114	112	115	110	115	110	110			BURNER TIP SIZE	P H	A	A	H	A	A
		TEMPERATURE THRUST BEARING	118	118	118	115	120	115	115			S H	A	A	A	A	A	A
		FORWARD H.P. ROTOR BEARING	125	116	125	123	126	122	122			CO ₂ % PORT BOILER		12%				
MISCELLANEOUS		AFT. H.P. ROTOR BEARING	132	132	136	136	136	134			CO ₂ % STBD. BOILER		12%					
		FORWARD L.P. ROTOR BEARING	133	136	135	135	138	134	134			DIL LEVEL MAIN SUMP	OK	NORM	NORM	NORM	NORM	NORM
		AFT. L.P. ROTOR BEARING	130	136	128	128	129	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		DIESEL OIL		
													METER AT NOON	8430/4450		ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		ON HAND		
													METER PREVIOUS NOON	8660/6130								
													CONSUMED BY METER	402								
													ON HAND AT START OF DAY	12383		CONSUMED						
													RECEIVED DURING DAY			ON HAND AT START OF DAY						
													EXPENDED DURING DAY	332/402		RECEIVED						
													REMAINING ON BOARD	11649		ON HAND						
													ON HAND AT START OF DAY			CONSUMED						
													EVAPORATED OR RECEIVED			ON HAND						
													ON HAND			RECEIVED						
													CONSUMED			CONSUMED						
LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)																						
L.O. CENTRIFUGE - HOURS OPERATED																						
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200				
													4	4	4	4	4	7				
SUMMARY																						
													RUNNING TIME	2414.9		PROPELLER SLIP (%)						
													DETENTION TIME			BBL FUEL MI						
													TOTAL REVOLUTIONS	13528		WIND DIRECTION						
													AVERAGE R.P.M.	93.9		STATE OF SEA						
													TOTAL MILES BY ENGINE	504		STATE OF WEATHER						
													TOTAL MILES BY OBSERVATION	447								

1200-1600 WATCH

Machinery in operation as follows, Main (Unit) B&L main Cond-pumps, main air pumps, Elect LO pumps, Steam LO pumps on Stby - 3 & 4 Boilers, both Elec fuel oil pumps, both main & 2 pumps at Steam Stby pump on #4 boiler, both Blower fans, #3 blower fan bearing motor running, sanitary pumps, #1 & 2 Steam pumps, Working feed water pumps, LO pumps cleaned and back on Main, #3 Turbine steam line, cleaned top burner, 3 & 4 boiler, clean formation. Strainer added seal to #4 feed pump.

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BOILERS #3 BLR ON CONSTANT BLOW CLAP

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS - CHANGED & CLEANED H.C. STRAINER #3 AUX. GEN - CHANGED TO CUTDR. SETT. @ 2300 - COMPLIED WITH STANDING & NIGHT ORDERS - PUMPED PILGES.

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Mach as before, underway on 14 Nozz & changed & cleaned Burners & Fe Discharge strainers changed cleaned main unit LO strainers. Stby on Eng Telegraph 0001 & Back To Full 14 Nozz. 0017 hrs.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

MACH AS BEFORE CHANGED BURNERS & STRAINERS. PUT #4 BLR ON CONSTANT BLOW CLAP

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

MACH AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS #3 & #4 BOILERS - CHANGED & CLEANED H.C. STRAINER #3 AUX. GEN - CHANGED TO INDR. SETT. TR. @ 1100 - COMPLIED WITH STANDING ORDERS - PUMPED PILGES.

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

12-5-65 @ 0400

#3 #4

P 60 20

T 90 50

CH 192 277

PHOS 8 0

SM HRS 240-240

CHIEF ENGR'S SIGNATURE

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE					
										12-5/6-65					
		WATCH								WATCH					
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200			
RUNNING TIME				240		260		266		240					
DETENTION TIME															
REVOLUTION COUNTER (END OF WATCH)		5425		5427		5429		5432		5434		5436			
TOTAL REVOLUTIONS (FOR WATCH)		23570		22590		24530		24640		24410		22490			
AVERAGE RPM		94.0		94.1		94.3		94.7		93.9		93.7			
F.O. METER (END OF WATCH)		155		157		159		161		160		168			
F.O. CONSUMED		2500		2850		3010		3250		2800		2730			
THROTTLE		370		400		400		400		400		400			
H.P. AHEAD		390		400		400		400		400		400			
L.P. AHEAD		20		21		20		21		21		20			
VACUUM		28.2		29.5		29.5		28.5		29.5		29.5			
L.O. TO TURBINES		13		13		13		13		13		13			
AUX. STEAM		150		150		150		150		150		150			
BACK PRESSURE		11		11		12		11		11		12			
GLAND STEAM		1.0		1.0		1.0		0.5		1.0		1.0			
H.P. BLEEDER		80		80		80		80		80		80			
I.P. BLEEDER		8		9		9		9		9		9			
L.P. BLEEDER		18"		16"		17"		17"		16"		16"			
STEAM AT THROTTLE		740		760		740		750		760		760			
L. P. EXHAUST		100		107		100		100		101		100			
CONDENSATE		101		100		99		100		100		99			
CIRC. WATER IN		67		68		66		66		68		67			
CIRC. WATER OUT		84		84		81		82		81		81			
L.D. TO COOLERS		132		129		126		125		130		125			
L.O. FROM COOLERS		110		114		110		110		115		110			
TEMPERATURE THRUST BEARING		115		118		115		115		118		115			
FORWARD H.P. ROTOR BEARING		123		125		122		120		125		122			
AFT. H.P. ROTOR BEARING		132		135		130		138		136		138			
FORWARD L.P. ROTOR BEARING		133		136		135		138		137		134			
AFT. L.P. ROTOR BEARING		126		127		124		125		129		128			
HOTTEST GEAR BEARING FORWARD		132		138		135		140		140		138			
HOTTEST GEAR BEARING AFT		126		147		135		140		136		138			
AUX. COND. CONDENSATE				H/W				H/W							
1ST STAGE FEED WATER HEATER		150		151		151		151		151		151			
O. C. FEED WATER HEATER		239		237		240		238		236		240			
3RD STAGE FEED WATER HEATER															
SUPER HEAT		P 760		760		740		750		760		760			
F.O. TO BURNERS		S 750		760		740		750		760		760			
AIR TO FURNACE		P													
F.O. TEMP. IN SETTLING TANKS		S													
PORT BOILER UPTAKE															
STBD. BOILER UPTAKE															
F. O. BACK PRESSURE															
MAIN STEAM		P 440		450		450		440		450		450			
F.O. TO BURNERS		S 180		210		210		210		210		210			
MAIN COND. SALINITY		PPM 28		7		7		21		7		7			
ENGINE ROOM TEMPERATURE															
FIRE ROOM TEMPERATURE															
NOZZLES IN USE		14													

REMARKS

1200-1600 WATCH

Underway Full 14 No 22 following machinery in operation main unit, main
 air pump & bilge pump & elect & O pump & ST LO pump on 5th 364 boiler.
 1st main feed pump & 2nd by ST feed pump on #4 boiler & 2nd elect feed oil pump
 steam FW pump & sanitary pump #3 turbo low temp oil pump & 2nd low temp
 fans. Change & clean bottom and F.O. discharge strainer. Clean LO strainer
 Clean LO fuel filter.

WATCH ENGR'S SIGNATURE-

J. Harrison

1600-2000 WATCH

MACH AS BEFORE BLEW TUBES #3 & 4 BOILERS. STARTED CONTAMINATED
 EVAP.

WATCH ENGR'S SIGNATURE-

J. Harrison

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINER -
 CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN - RETARDED CLOCK 20 MIN @ 2300 -
 COMPLIED WITH STANDING & NIGHT ORDERS - PUMPED BILGES - BLEW DOWN H.P. EVAPS AS NEEDED
 CHANGED TO OUTOP. SETT. @ 2320 -

WATCH ENGR'S SIGNATURE-

J. Harrison

2400-0400 WATCH

Underway Full 14 No 22 MACH as before. Clean discharge strainer F.O. Top burners
 #3 & 4 boiler. Cleaned LO strainer main unit. Retarded clock 20 min at 0100 hrs.

WATCH ENGR'S SIGNATURE-

J. Harrison

0400-0800 WATCH

MACH AS BEFORE STARTED CONTAMINATED EVAP. PUT #3 BLR ON MAKE-UP
 CLAP.

WATCH ENGR'S SIGNATURE-

J. Harrison

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED BOTTOM F.O.
 BURNERS & DISCH. STRAINERS #3 & #4 BOILERS - CHANGED & CLEANED F.O. SUCT. STRAINER - CHANGED
 & CLEANED L.O. STRAINER #3 AUX. GEN. - CHANGED TO INBD. SETT. @ 1045 - PUMPED BILGES.

WATCH ENGR'S SIGNATURE-

J. Harrison

CHIEF ENGINEER

#3 12-6-65 @ C/C
 #4
 P 10 10
 T 30 30
 CHL 604 121
 P.Hos. 10 0
 SH HRS 263-263

CHIEF ENGR'S SIGNATURE-

J. Harrison

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

WATCH ENGR'S SIGNATURE.

CHIEF ENGINEER

P 2c 10

T 40 30

Ch. 56.5 312

P.S.C.

STAIRS 287-2E7

CHIEF ENGR'S SIGNATURE.

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
General John Pope Hall				Oakland Calif				U-2		827 Dec 1965	

	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	260	260	260	240							
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)	5452	5454	5457	5459	5462	5464							
TOTAL REVOLUTIONS (FOR WATCH)	22530	21490	25150	24250	23880	22270							
AVERAGE RPM	93.8	89.5	96.7	93.2	91.4	92.8							
METER (END OF WATCH)	6320	7650	9000	8380	65160	3210							
F.O. CONSUMED	2730	2180	2960	3010	2900	2780							
PRESSURES	THROTTLE	400	400	400	400	400							
	H.P. AHEAD	400	400	400	400	400							
	L.P. AHEAD	20	21	20	21	21							
	VACUUM	29	29.5	29.5	29	29.5							
	L.O. TO TURBINES	13	13	13	13	13							
	AUX. STEAM	150	150	150	150	150							
	BACK PRESSURE	12	12	12	12	12							
	GLAND STEAM	15	1.0	1.5	1.5	1.0							
	H.P. BLEEDER	80	80	80	80	80							
	L.P. BLEEDER	9	9	9	9	9							
TEMPERATURES	STEAM AT THROTTLE	750	740	750	750	750							
	L. P. EXHAUST	100	101	101	101	103							
	CONDENSATE	99	99	102	102	104							
	CIRC. WATER IN	89	69	70	70	72							
	CIRC. WATER OUT	85	84	84	85	89							
	L.O. TO COOLERS	127	130	125	124	128							
	L.O. FROM COOLERS	110	115	110	110	114							
	TEMPERATURE THRUST BEARING	143	119	115	114	119							
	FORWARD H.P. ROTOR BEARING	123	142	122	144	128							
	AFT. H.P. ROTOR BEARING	141	138	138	140	136							
TEMPERATURES	FORWARD L.P. ROTOR BEARING	135	139	134	133	131							
	AFT. L.P. ROTOR BEARING	128	130	128	130	130							
	HOTTEST GEAR BEARING FORWARD	136	137	137	142	147							
	HOTTEST GEAR BEARING AFT	135	146	146	136	137							
	AUX. COND. CONDENSATE		MN			MN							
	1ST STAGE FEED WATER HEATER	155	153	150	160	153							
	D. C. FEED WATER HEATER	238	231	240	287	237							
	3RD STAGE FEED WATER HEATER												
	SUPER HEAT	P 750	740	750	750	750							
	F.O. TO BURNERS	200	200	190	200	190							
TEMPERATURES	AIR TO FURNACE	P 116	114	114	114	114							
	F.O. TEMP. IN SETTLING TANKS	P 106	115	110	110	110							
	PORT BOILER UPTAKE												
	STBD. BOILER UPTAKE												
	F.O. BACK PRESSURE												
	MAIN STEAM	440	450	450	450	450							
	F.O. TO BURNERS	200	200	200	200	200							
	MAIN COND. SALINITY	7	7	7	7	7							
	ENGINE ROOM TEMPERATURE	92	92	93	93	93							
	FIRE ROOM TEMPERATURE												
TEMPERATURES	NOZZLES IN USE	14	14	14	14	14							
	NO. OF BURNERS IN USE	P 3	3	3	3	3							
	BURNER TIP SIZE	P 14	A	A	17	A							
	CO ₂ % PORT BOILER												
	CO ₂ % STBD. BOILER												
	OIL LEVEL MAIN SUMP	NORM	NORM	NORM	NORM	NORM							

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	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	3	1200	440	750	8	135	110		70	1100	1100	245												
1600 TO 2000	3	1200	450	740	8	132	110		70	1150	1150	240												
2000 TO 2400	3	1200	450	750	8	132	110		70	1100	1100	240												
2400 TO 0400	3	1200	450	750	8	132	110		70	1000	1000	245												
0400 TO 0800	3	1200	450	750	8	134	113		70	1150	1150	240												
0800 TO 1200	3	1200	450	750	8	132	110		70	1150	1150	240												

L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4 1/3	4.3	4.3	4

SUMMARY		
RUNNING TIME	257-00	PROPELLER SLIP (%)
DETENTION TIME		BBL FUEL MI
TOTAL REVOLUTIONS	3257	WIND DIRECTION
AVERAGE R.P.M.	93	STATE OF SEA
TOTAL MILES BY ENGINE	420	STATE OF WEATHER
TOTAL MILES BY OBSERVATION	425	

REMARKS

1200-1600 WATCH

Underway at 1400z Mach in operation as follows Main Unit @ Max mach. #3 & #4 Boiler @ Max mach. #3 Turbo Gen @ Max mach. Secured contaminated evap at 1430. Feed pump failed. Cleaned burners on top of each boiler. Cleaned fuel oil discharge strainer, cleaned Gen. L.O. oil strainer. Cleaned lub oil purifier. Added 5 gal lub oil to #3 main feed pump. Removed steam regulating valve on contaminated evap and installed regular globe valve evap. working again. Blew make up evap.

WATCH ENGR'S SIGNATURE

J. H. Hipping

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BOILERS #3 BLR ON CONSTANT BLOW EVAP. BLEW EVAP DOWN AS NECESSARY

WATCH ENGR'S SIGNATURE

J. H. Hipping

2000-2400 WATCH

MACH. AS BEFORE EXCEPT - SEC. CONT. EVAP. @ 2045 - BROKEN ARM ON FEED PUMP VALVE GEAR - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - HELD ENG CASUALTY DRILL #E-2 2100 TO 2130 - INST. WATCH - 50# REP. STATION IN SERVICE - RETARDED CLOCK 20 MIN @ 2300 - COMPLIED WITH STANDING & NIGHT ORDERS - PUMPED BILGES - CHANGED TO OUTBD. SETT. 2330

WATCH ENGR'S SIGNATURE

J. H. Hipping

2400-0400 WATCH

Underway at 1400z Mach in operation as before. 0030 hrs held Casualty Drill E-2 boiler tube failure. 4 men present. Secured from drill at 0100. Changed & cleaned top burners in #3 & #4 Boilers. F.O. discharge strainer, #3 boiler on constant blow evap. Cleaned main unit L.O. strainers. 0030 hrs Put #4 main feed pump on manual control from boards. automatic control is too erratic.

WATCH ENGR'S SIGNATURE

J. H. Hipping

0400-0800 WATCH

Underway at 1400z MACH AS BEFORE. PUT #3 BLR ON MAKE-UP EVAP. COMPOUNDED #3. HELD ENG CAS. DRILL E-2 @ 0700-0715 ABOARD WATCH PERSONNEL RETARDED CLOCK 20 mins @ 0500.

WATCH ENGR'S SIGNATURE

J. H. Hipping

0800-1200 WATCH

MACH AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS #3 & #4 BOILERS - CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - ADDED PACKING TO #2 H.W. PIRC. PUMP - SEC. SANITARY STYM. @ 1115 - PUMPED BILGES - BLEW DOWN B.P. EVAP. AS NEEDED -

WATCH ENGR'S SIGNATURE

J. H. Hipping

CHIEF ENGINEER

12-9-65 @ 0400

#3 #4

P. 58 58

T 1.75 1.75

CHL 1.66 4.97

Phos. 0 0

STM HRS 312 - 312

CHIEF ENGR'S SIGNATURE

USNS General John Pope 1-A 110 VOYAGE NO. FROM EARLAND Calif TO OKINAWA TYPE OF VESSEL DATE 9210 Dec 1965

		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	MACH. PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD	134	147	145	134	137	135		
DETENTION TIME												HOTTEST GEAR BEARING AFT	135	137	135	135	147	145		
REVOLUTION COUNTER (END OF WATCH)		5466 6140	5468 8250	5471 0610	5473 2800	5475 5100	5477 7230					AUX. COND. CONDENSATE	N/A	MW	MW	N/A	MW	MW		
TOTAL REVOLUTIONS (FOR WATCH)		22020	22110	22360	22270	22200	22130					1ST STAGE FEED WATER HEATER	160	155	155	160	152	160		
AVERAGE RPM		91.7	91.8	93.2	92.8	92.5	92.2					D. C. FEED WATER HEATER	238	238	240	238	238	240		
5-5 GED. METER (END OF WATCH)		4370 2460	5920 3940	7240 5350	8290 6720	9960 8130	1340 9550					3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		2720	2890	2730	2720	2880	2800					BOILER PARTICULARS		TEMPERATURES		SUPER HEAT	P	755	740	750
PRESSURES		THROTTLE	400	400	400	400	400	S	755	740	750						750	750	750	
		H.P. AHEAD	400	400	400	400	400	400	F.O. TO BURNERS	200	190					190	200	190	190	
		L.P. AHEAD	21	21	20	20	20	20	AIR TO FURNACE	P	120					118	114	115	116	114
		VACUUM	29"	29"	29.5"	29"	29"	29.5"		S	125					124	120	120	120	120
		L.O. TO TURBINES	13	13	13	13	13	13	F.O. TEMP. IN SETTLING TANKS	P	146					115	110	110	116	115
		AUX. STEAM	150	150	150	150	150	150	S											
		BACK PRESSURE	11	11	12	11	11	12	PORT BOILER UPTAKE											
		GLAND STEAM	1.5	1.0	1.0	1.0	1.0	1.0	STBD. BOILER UPTAKE											
		H.P. BLEEDER	80	80	80	80	85	80	F. O. BACK PRESSURE											
L.P. BLEEDER	9	9	9	9	9	9	MAIN STEAM	440	450	450	450	450	450							
TEMPERATURES		STEAM AT THROTTLE	740	740	750	750	750	F.O. TO BURNERS	195	200	200	200	200							
		L. P. EXHAUST	105	102	100	105	101	103	MAIN COND. SALINITY	PPM 7	7	7	7	55	7					
		CONDENSATE	104	104	100	100	100	99	ENGINE ROOM TEMPERATURE	95	97	95	94	93	96					
		CIRC. WATER IN	73	72	70	70	71	70	FIRE ROOM TEMPERATURE											
		CIRC. WATER OUT	85	86	82	85	86	84	NOZZLES IN USE	14	14	14	14	14	14					
		L.O. TO COOLERS	126	130	125	125	129	125	NO. OF BURNERS IN USE	P	3	3	3	3	3	3				
		L.O. FROM COOLERS	110	115	110	110	115	110		S	3	3	3	3	3	3				
		TEMPERATURE THRUST BEARING	144	120	115	110	119	116	BURNER TIP SIZE	P	A	A	A	A	A	A				
		FORWARD H.P. ROTOR BEARING	124	127	124	123	126	122		S	A	A	A	A	A	A				
		AFT. H.P. ROTOR BEARING	134	136	134	140	138	134	CO ₂ % PORT BOILER											
FORWARD L.P. ROTOR BEARING	135	135	134	136	136	134	CO ₂ % STBD. BOILER													
AFT. L.P. ROTOR BEARING	135	132	130	132	132	130	OIL LEVEL MAIN SUMP	NORM	NORM	NORM	NORM	NORM	NORM	NORM						

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		DIESEL OIL
1200 TO 1600	5	1200	440	750	8	132	110		70	1200	1200	245	METER AT NOON	1241/7235		ON HAND AT START OF DAY			
													METER PREVIOUS NOON	1241/7235		EVAPORATED OR RECEIVED			
													CONSUMED BY METER			ON HAND			
													ON HAND AT START OF DAY	1241/7235		CONSUMED			
													RECEIVED DURING DAY			ON HAND AT START OF DAY			
													EXPENDED DURING DAY	007		RECEIVED			
													REMAINING ON BOARD	4223		ON HAND			
1600 TO 2000	3	1200	450	740	8	134	112		70	1100	1100	240	ON HAND AT START OF DAY			CONSUMED			
													EVAPORATED OR RECEIVED			ON HAND			
													ON HAND			RECEIVED			
													CONSUMED			CONSUMED			
2000 TO 2400	3	1200	450	750	8	133	110		70	1100	1100	240	ON HAND AT START OF DAY			ON HAND			
													EVAPORATED OR RECEIVED			RECEIVED			
													ON HAND			CONSUMED			
													CONSUMED						
2400 TO 0400	3	1200	450	750	8	132	110		70	1000	1000	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) / Fresh water made gals.)						
													L.O. CENTRIFUGE - HOURS OPERATED						
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
													4	4	4	4	4	4	
													SUMMARY						
0400 TO 0800	3	1200	450	750	8	132	110		70	1100	1100	240	RUNNING TIME	22/20	PROPELLER SLIP (%)				
													DETENTION TIME		BBL FUEL MI				
													TOTAL REVOLUTIONS	1331	WIND DIRECTION				
													AVERAGE R.P.M.	22.2	STATE OF SEA				
													TOTAL MILES BY ENGINE	12.2	STATE OF WEATHER				
0800 TO 1200	3	1200	450	750	8	132	110		70	1100	1100	240	TOTAL MILES BY OBSERVATION	24.45					

REMARKS

1200-1600 WATCH

Underway at 14 Nozz Mach in operation as follows Main Unit at Aux. #3 & 4 boilers
 at Aux. #3 Turb. Gen. at Aux. #4 Boiler on make up feed evap. Cleaned top burner #3 boiler &
 discharge strainer, cleaned L.O. strainer Main Unit at 1575 Stbg from
 mate on watch steering casualty drill at 1532 secured from back to #

WATCH ENGR'S SIGNATURE-

J. D. Hipping

1600-2000 WATCH

MACH AS BEFORE BLEW TUBES #3 & 4 BURS PUT CONTAMINATED
 EVAP ON LINE. #4 BUR TO MAKE-UP EVAP.

WATCH ENGR'S SIGNATURE-

J. D. Hipping

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED BOTTOM F.O. BURNERS & DISCH. STRAINERS
 CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - PURIFIED L.O. #4 AUX. GEN. FOR 3 HRS.
 ADDED 5 GAL. L.O. TO #4 M.V. FEED PUMP - CHANGED TO OUTBD. SETT. @ 2200 - PUMPED
 BILGES

WATCH ENGR'S SIGNATURE-

J. Gearon

2400-0400 WATCH

Underway at 14 Nozz Mach in operation as before. Cleaned & changed top
 burner #4 boiler & discharge suction strainer, cleaned L.O. strainer on Main Unit at #3 Turb Gen
 Pumped engine room bilges. #4 Boiler to make up feed evap. Conditions normal throughout
 watch.

WATCH ENGR'S SIGNATURE-

J. D. Hipping

0400-0800 WATCH

MACH AS BEFORE COMPOUNDED #3 & 4 BURS ADDED CONDENSATE TREATMENT
 PUT MAKE-UP EVAP ON MAKE-UP FEED.

WATCH ENGR'S SIGNATURE-

J. D. Hipping

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & 4 BOILERS - CHANGED & CLEANED #5 F.O.
 BURNERS & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - BLEW
 DOWN CONT. & MAKE UP EVAPS - PUMPED BILGES - SB @ 0931 - HT @ 0953 - CHANGED
 TO INBD. SETT. @ 1130 - CHANGED F.W. SUCT. TO #3 @ 1140 -

WATCH ENGR'S SIGNATURE-

J. Gearon

CHIEF ENGINEER

12-10-65 @ 0400
 #4 #3

P 58 2.34

T 1.75 3.50

C/L 1.64 4.14

PHO. C 8

SIM 4RS 336-336

CHIEF ENGR'S SIGNATURE-

J. D. Hipping

USNS General John Pope 7450112 VOYAGE NO. FROM Oakland Calif TO OKINAWA TYPE OF VESSEL DATE 12th Dec 1961

		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	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD	136	134	134	133	136	134
DETENTION TIME										HOTTEST GEAR BEARING AFT	136	140	140	133	137	137
REVOLUTION COUNTER (END OF WATCH)		5474	5482	5484	5486	5489	5491			AUX. COND. CONDENSATE	17/4	MN	MN	17/4	MN	MN
TOTAL REVOLUTIONS (FOR WATCH)		22140	22140	24270	24130	23970	22410			1ST STAGE FEED WATER HEATER	163	154	160	160	160	162
AVERAGE RPM		91.9	92.3	93.3	93.	92.1	93.4			D. C. FEED WATER HEATER	239	236	240	239	238	240
55°F. METER (END OF WATCH)		12763	4200	5700	7170	8640	9980			3RD STAGE FEED WATER HEATER						
F.O. CONSUMED			3320	3060	2880	3000	2790	BOILER PARTICULARS TEMPERATURES <								

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		BOILER WATER		LUBE OIL		DIESEL OIL		
1200 TO 1600	3	1200	440	740	8	132	110		70	1200	1200	240	METER AT NOON	9480/8480	ON HAND AT START OF DAY		ON HAND AT START OF DAY		ON HAND AT START OF DAY		ON HAND AT START OF DAY		ON HAND AT START OF DAY
													METER PREVIOUS NOON	340/9530	EVAPORATED OR RECEIVED		EVAPORATED OR RECEIVED		RECEIVED		RECEIVED		RECEIVED
													CONSUMED BY METER	375	ON HAND		ON HAND		ON HAND		ON HAND		ON HAND
													ON HAND AT START OF DAY	10250	CONSUMED		CONSUMED		CONSUMED		CONSUMED		CONSUMED
1600 TO 2000	3	1200	450	750	8	132	110		70	1050	1050	240	RECEIVED DURING DAY		ON HAND AT START OF DAY		ON HAND AT START OF DAY		ON HAND AT START OF DAY		ON HAND AT START OF DAY		ON HAND AT START OF DAY
													EXPENDED DURING DAY	395/325	RECEIVED		RECEIVED		RECEIVED		RECEIVED		RECEIVED
													REMAINING ON BOARD	9527	ON HAND		ON HAND		ON HAND		ON HAND		ON HAND
													ON HAND AT START OF DAY		CONSUMED		CONSUMED		CONSUMED		CONSUMED		CONSUMED
2000 TO 2400	3	1200	450	750	8	132	110		70	1100	1100	240	EVAPORATED OR RECEIVED		ON HAND		ON HAND		ON HAND		ON HAND		ON HAND
	3	1200	450	750	8	132	110		70	1100	1100	240	ON HAND		RECEIVED		RECEIVED		RECEIVED		RECEIVED		RECEIVED
													CONSUMED		CONSUMED		CONSUMED		CONSUMED		CONSUMED		CONSUMED
2400 TO 0400	3												LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)										
													L.O. CENTRIFUGE - HOURS OPERATED										
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200					
													4	4	4 1/3	4.3	4 1/3	4					
0400 TO 0800	3	1200	450	750	8	134	112		70	1150	1150	240	SUMMARY										
													RUNNING TIME	254.5	PROPELLER SLIP (%)								
													DETENTION TIME		BBL FUEL MI								
													TOTAL REVOLUTIONS	13903	WIND DIRECTION								
0800 TO 1200	3	1200	450	750	8	132	110		70	1250	1250	240	AVERAGE R.P.M.	92.6	STATE OF SEA								
													TOTAL MILES BY ENGINE	5.4	STATE OF WEATHER								
													TOTAL MILES BY OBSERVATION	4.3									

REMARKS

1200-1600 WATCH

Under way #14 Nozzle High in operation as follows Main Unit #2 Aux, #3 Boiler, #2 Aux, #3 Turbo Gen #2 Aux, #3 Turb pump, #4 Turb pump. Boiler #2 & #3 make up feed, contaminated region line. Cleaned Top burner. #4 boiler F.O. section and discharge strainers. Cleaned L.O. purifier.

WATCH ENGR'S SIGNATURE-

H. D. Mipping

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 TURBS CHANGED #3 BURNER & HOT OIL STRUERS. MAKE-UP CLAP ON POT WATER

WATCH ENGR'S SIGNATURE-

W. B. Beasly

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED #5 & #6 F.O. BURNERS & DISCH. STRAINERS. CHANGED & CLEANED H.O. STRAINER #3 AUX. GEN. - RETARDED CLOCK 20 MIN. @ 2300 - PUMPED BILGES - CHANGED TO OUTBD. SETT. @ 2325 -

WATCH ENGR'S SIGNATURE-

J. Kearon

2400-0400 WATCH

Mach as before & changed & cleaned #1 F.O. burner & F.O. discharge strainer. Section strainer F.O. cleaned & changed main unit L.O. strainer. Cleaned L.O. strainer #3 Turb. Gen. Pumped engine room bilges. Set clock back 20 min 21 hrs

WATCH ENGR'S SIGNATURE-

H. D. Mipping

0400-0800 WATCH

MACH AS BEFORE. STARTED CONT. CLAP RETARDED CLOCK 20 mins @ 0500 COMPOUNDED #3 & #4 TURBS

WATCH ENGR'S SIGNATURE-

W. B. Beasly

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #5 & #6 F.O. BURNERS & DISCH. STRAINERS - CHANGED & CLEANED F.O. STRAINER #3 AUX. GEN. - PUMPED BILGES - CHANGED TO INBD. SETT. @ 1120

WATCH ENGR'S SIGNATURE-

J. Kearon

CHIEF ENGINEER

12-11-65 @ 0400

#3 #4

P 5.26 1.17

T 8.18 2.34

CHL 5.90 3.31

PH 10 5

STM HRS 361-361

CHIEF ENGR'S SIGNATURE-

W. B. Beasly

REMARKS

1200-1600 WATCH

Underway #14 No 22 which in operation as follows Main Unit #324 Boiler
 #3 Turbo Gen & Aux #2 sanitary pump, make up feed evap. Contaminated evap.
 change #2 burner & F.O. discharge strainer & suction F.O. strainer. Pump engine room bilges
 blow down make up feed evap. changed L.C. purifier.

WATCH ENGR'S SIGNATURE

H. D. Hopping

1600-2000 WATCH

MACH AS BEFORE BLEW TUBES #3 & #4 BLUR. PUT #2. CUOT. F.O. PUMP ON
 LINE. TITRATING SLCC-A INTO CONDENSATE MAKE-UP EVAP ON POT.W
 CHANGED & CLEANED #4 BURNER & STRAINERS

WATCH ENGR'S SIGNATURE

L. B. Basinghaw

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & DISCH. STRAINERS -
 CHANGED & CLEANED L.O. STRAINER #3 AUX. GEN. - PUMPED BILGES - CHANGED TO
 OUTBD. SETT. @ 2345 -

WATCH ENGR'S SIGNATURE

J. Seaton

2400-0400 WATCH

Underway #14 No 22 mach as before. Changed & cleaned #1 burning F.O. discharge strainer
 cleaned main unit L.C. strainer. 2300 Low water #3 Boiler 2305 low temp stopped
 2310 Stagnant Eng. Temp. 2345 back to Full 14 No 22.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & HOT OIL STRAINERS
 MAKE-UP EVAP ON POT.W COMPOUNDED #3 & #4 BLURS & CONDENSATE

WATCH ENGR'S SIGNATURE

L. B. Basinghaw

0800-1200 WATCH

MACH AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O.
 BURNER & DISCH. STRAINERS CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. -
 LIT OFF #4 AUX. GEN. @ 1100 - IDLING & READY FOR SERVICE - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

J. Seaton

CHIEF ENGINEER

12-12-65 @ 0400
 #3 #4

P 5.26 7.01

T 7.59 9.35

CHL 8.7 6.63

Phos 10 10

STH hrs 385-385

CHIEF ENGR'S SIGNATURE

J. Seaton

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	260	260	240	HOTTEST GEAR BEARING FORWARD	138	136	140	138	138	138
DETENTION TIME							HOTTEST GEAR BEARING AFT	134	142	136	134	140	136
REVOLUTION COUNTER (END OF WATCH)	5507	5509	5511	5514	5516	5518	AUX. COND. CONDENSATE	114				112	
TOTAL REVOLUTIONS (FOR WATCH)	22210	22130	24130	24210	23390	20940	1ST STAGE FEED WATER HEATER	165	160	160	162	160	115
AVERAGE RPM	92.5	92.2	92.8	93.2	89.9	87.3	D. C. FEED WATER HEATER	238	238	238	238	238	238
F.O. METER (END OF WATCH)	30520	30520	1930	3340	34610	6080	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	2920	2920	2870	3010	3020	2540	SUPER HEAT	P 250	750	750	750	730	720
PRESSURES	THROTTLE	400	400	400	400	410	S 250	750	750	750	750	730	720
	H.P. AHEAD	400	400	400	400	320	F.O. TO BURNERS	190	190	190	165	190	190
	L.P. AHEAD	20	20	20	20	14	AIR TO FURNACE	P 115	115	115	115	116	114
	VACUUM	29"	29"	29"	29"	29"	S 115	116	117	118	118	116	116
	L.O. TO TURBINES	13	13	13	13	13	F.O. TEMP. IN SETTLING TANKS	P 123	123	120	112	119	120
	AUX. STEAM	150	150	150	150	150	S						
	BACK PRESSURE	11	11	11	11	10	PORT BOILER UPTAKE						
	GLAND STEAM	10	10	10	10	10	STBD. BOILER UPTAKE						
	H.P. BLEEDER	80	80	80	80	-	F. O. BACK PRESSURE						
	L.P. BLEEDER	9	9	9	9	-	MAIN STEAM	450	450	450	450	450	450
TEMPERATURES	L.P. BLEEDER	15"	16"	16"	16"	-	F.O. TO BURNERS	200	175	175	170	170	150
	STEAM AT THROTTLE	740	750	750	740	730	720	MAIN COND. SALINITY	11	11	11	11	141
	L. P. EXHAUST	106	105	105	105	109	105	ENGINE ROOM TEMPERATURE	93	95	89	90	
	CONDENSATE	100	100	101	102	102	101	FIRE ROOM TEMPERATURE					
	CIRC. WATER IN	72	72	72	72	72	73	NOZZLES IN USE	14	14	14	14	THROT.
	CIRC. WATER OUT	86	87	85	88	87	86	NO. OF BURNERS IN USE	P 3	3	3	3	3
	L.O. TO COOLERS	123	125	124	126	126	123	S 3	3	3	3	3	3
	L.O. FROM COOLERS	110	110	110	110	110	110	P A	A	A	A	A	A
	TEMPERATURE THRUST BEARING	116	116	115	116	116	112	S A	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING	126	124	123	124	124	120	CO ₂ % PORT BOILER					
MISCELLANEOUS	AFT. H.P. ROTOR BEARING	142	140	140	140	140	140	CO ₂ % STBD. BOILER					
	FORWARD L.P. ROTOR BEARING	135	135	135	134	134	128	OIL LEVEL MAIN SUMP	Norm	Norm	Norm	Norm	Norm
	AFT. L.P. ROTOR BEARING	131	131	130	132	130	128						

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	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	
1200 TO 1600	4	1200	450	740	7	135	124		60	1100	1100	240	650/600	730/7160	342					
1600 TO 2000	4	1200	450	740	7	135	124		60	1100	1100	240			342					
2000 TO 2400	4	1200	450	750	7	138	126		48	1200	1200	240								
2400 TO 0400	4	1200	450	740	7	137	125		48	1100	1100	240								
0400 TO 0800	4	1200	450	730	7	137	125		48	1100	1100	240								
0800 TO 1200	4	1200	450	720	7	138	126		48	1200	1200	240								
L.O. CENTRIFUGE - HOURS OPERATED												SUMMARY								
1200 TO 1600	4	4	4 1/2	4.3	4 1/2	4							RUNNING TIME	25 H 13 S	PROPELLER SLIP (%)					
1600 TO 2000													DETENTION TIME		BBL FUEL MI					
2000 TO 2400													TOTAL REVOLUTIONS	1404636	WIND DIRECTION					
2400 TO 0400													AVERAGE R.P.M.	92.6	STATE OF SEA					
0400 TO 0800													TOTAL MILES BY ENGINE	522	STATE OF WEATHER					
0800 TO 1200													TOTAL MILES BY OBSERVATION	463						

REMARKS

1200-1600 WATCH

Under way 14/1/22. Main Unit & Aux in operation, #3 & 4 Boilers and
 aux. 1350 Put #4 Gen on line in service. #3 Gen switched to station 1200 hrs.
 Cleaned #2 burner & cleaned suction strainer and discharge strainer F.O. Cleaned
 L.O. pump filter.

WATCH ENGR'S SIGNATURE

M D Mipping

1600-2000 WATCH

MACH AS BEFORE BLEW TUBES #3 & 4 BURS MAKE-UP CLIP ON POT.W

WATCH ENGR'S SIGNATURE

W B. [Signature]

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. & DISCH. STRAINERS -
 CHANGED & CLEANED L.O. STRAINER #4 AUX. GEN. - PURIFIED L.O. #3 AUX. GEN. FOR 3 HRS. -
 PUMPED BILGES - RETARDED CLOCK 20 MIN. @ 2300 - CHANGED TO OUTGR. SETT. @ 2350 -

WATCH ENGR'S SIGNATURE

J. Seaton

2400-0400 WATCH

Under way 14/1/22. Mach in operation as before. Cleaned #1 burner
 & F.O. discharge strainer. Cleaned main unit L.O. strainer. Retarded clocks 20 min at 0100 hrs.

WATCH ENGR'S SIGNATURE

M D Mipping

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #3 & 5 BURNERS & HOT & COLD OIL STRAINERS
 COMPOUNDED #4 BUR. RETARDED CLOCK 20 MINS @ 0500

WATCH ENGR'S SIGNATURE

W B. [Signature]

0800-1200 WATCH

MACH. AS BEFORE EXCEPT - STBY. FEED PUMP SEC. @ 0815 FOR REPAIR - SLOWED TO
 86 R.P.M. TO HOLD WATER LEVEL IN #4 BOILER - NOTIFIED BRIDGE & 1ST A/E - CHANGED
 & CLEANED #5 F.O. BURNER & DISCH. STRAINERS - BLEW TUBES #3 & #4 BOILERS - CHANGED
 & CLEANED L.O. STRAINER #4 AUX. GEN. - DAY MEN WORKING ON STBY. F.O. PUMP - PUMPED BILGES.

WATCH ENGR'S SIGNATURE

J. Seaton

CHIEF ENGINEER

12-13-65 @ 0400

#3 #4

P 4.67 7.61

T 6.43 8.76

OIL 8.7 7.87

PLOS 5 5

STBY HRS 410-410

CHIEF ENGR'S SIGNATURE

[Signature]

REMARKS

1200-1600 WATCH

Manoeuvring Full on Throttle. Mach in operation. Main 210 to 215 #364 Boiler & Flue
 Turb. Gen. 133. Started #3 Turb. Gen. at 1345 put same on Line. Controlling water level
 in #4 boiler by Throttle. Cleaned F.S. suction & discharge strainers, cleaned #2 Ho. Burner

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & 4 BURS. STBY FD PUMP WAS REPAIRED
 & CAME BACK UP TO 14 NOZZLES @ 1625. COMPOUNDED #3 BUR.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH AS BEFORE EXCEPT - REDUCED SPEED TO 78 R.P.M. @ 2000 B/O B. - CHANGED
 & CLEANED #4 F.O. BURNER & DISCH. STRAINERS - CHANGED & CLEANED I.O. STRAINERS #3 & 4 A.C. GEN.
 PUMPED BILGES.

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Mach as before & running at 78 RPM. Change #4 burner. F.O. discharge
 strainers @ main L.C. strainers & Gen 324 L.C. strainers. 0330 made on 12-4 watch
 requested speed to be changed to 62 RPM at 0400 hrs.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

MACH AS BEFORE SLOWED TO 62 RPM @ 0400 B/O B. TIME CHECK @ 0505
 SLOWED TO 51 RPM @ 0700 B/O B.
 CHANGED & CLEANED ALL HOT OIL STRAINERS & COLD OIL STRAINERS
 ARRIVAL @ 0730 & SLOWED TO 50 RPM @ 0730.

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

MANOEUVERING - BELLS AS PER BELL BOOK - STEER E.P. MANNED @ 0800 KRUPP -
 FINE @ 0910 - CTR 55283360 - FOM. P. 1641940 - S. 5692210 - SEC. STEER. E.P. @ 0910 -
 SEC. #4 BOILER @ 0915 B/O 1ST A/E - SEC. AIR SUCT. XOVER TO MN. AIR EJECT. - BLEW DOWN M.V.
 EVAP - BILGES AT SAFE LEVEL

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

12-14-65 @ 0400
 #3 #4

P584 8.18

T 7.01 9.93

CHL 9.53 7.46

R400 10 10

SIM HRS 434-434

CHIEF ENGR'S 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
RUNNING TIME					10	240	HOTTEST GEAR BEARING FORWARD						112
DETENTION TIME							HOTTEST GEAR BEARING AFT						120
REVOLUTION COUNTER (END OF WATCH)					5525 7240	5530 8530	AUX. COND. CONDENSATE						Mu.
TOTAL REVOLUTIONS (FOR WATCH)					900	21290	1ST STAGE FEED WATER HEATER	102	102	102	102		160
AVERAGE RPM	164				90	88.7	D. C. FEED WATER HEATER	236	237	238	238	238	238
F.O. METER (END OF WATCH)	569		4400	4460	2550 5730	4270 7070	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED			1780	560	1770	2730	SUPER HEAT	P	680			740	720
PRESSURES	THROTTLE				400	400	S	680	680	680	680	740	720
	H.P. AHEAD				400	400	F.O. TO BURNERS	200	190		200	190	190
	L.P. AHEAD				25	23	P					114	116
	VACUUM		29"	29"	29.5"	29"	S	110	110	190		116	118
	L.O. TO TURBINES		13	13	13	13	P	105	105	110	105	105	120
	AUX. STEAM		150	150	150	150	S						
	BACK PRESSURE		11	11	11	11	PORT BOILER UPTAKE						
	GLAND STEAM		1.0	1.0	1.0	1.0	STBD. BOILER UPTAKE						
	H.P. BLEEDER				80	80	F. O. BACK PRESSURE						
	L.P. BLEEDER				10	11	MAIN STEAM	410	440	440	440	440	450
	L.P. BLEEDER				17"	16"	F.O. TO BURNERS			VAR.			180
	STEAM AT THROTTLE				740	720	MAIN COND. SALINITY	41	41	41	41	41	41
TEMPERATURES	L. P. EXHAUST			105	99	109	ENGINE ROOM TEMPERATURE	90	86	82	82	94	98
	CONDENSATE	90	90	85	90	105	FIRE ROOM TEMPERATURE						
	CIRC. WATER IN	72	72	72	70	74	NOZZLES IN USE						14
	CIRC. WATER OUT	74	75	76	78	90	NO. OF BURNERS IN USE	P				3	3
	L.O. TO COOLERS	105	110	111	126	128	S	2	2	2	2	3	3
	L.O. FROM COOLERS	107	107	107	116	110	P					A	A
	TEMPERATURE THRUST BEARING					115	S	H	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING					125	CO ₂ % PORT BOILER						
	AFT. H.P. ROTOR BEARING					132	CO ₂ % STBD. BOILER						
	FORWARD L.P. ROTOR BEARING					135	OIL LEVEL MAIN SUMP	Norm Low Low Low				Norm.	
	AFT. L.P. ROTOR BEARING					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	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED
1200 TO 1600	3	1200	440	680	8	127	106		70	1200	1200	240	4270/7070	1960/3650	161	8305			
	4	1200	440	680	7	135	120		48	1200	1200	240			161/1000				
1600 TO 2000	3	1200	440	680	8	127	106		70	750	750	240							
	4	1200	440	680	7	138	120		48	750	750	240							
2000 TO 2400	3	1200	440	680	8	124	106		70	850	850	240							
	4	1200	440	680	7	136	118		48	850	850	240							
2400 TO 0400																			
0400 TO 0800	3	1200	450	740	8	125	108		70	1100	1100	240							
	4	1200	450	740	7	142	126		48	1100	1100	240							
0800 TO 1200	3	1200	450	720	8	128	106		70	1050	1050	240							
	4	1200	450	720	7	140	125		48	1050	1050	240							
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		PROPELLER 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

Moved Port side side Main Unit. Holding 39 Vacuum, steam secured to throttle & man stop secured. #3 & 4 Turb Gen on line both man and pumps, #3 boiler on line #4 secured and kept hot. Cleaned man and sight glass, tightened flange, tightened pump body both man and pumps, jacking gear engage. Change FO section to High Turb at 1200 hrs. Clean L.O. purifier.

WATCH ENGR'S SIGNATURE

N. D. Whipping

1600-2000 WATCH

OKINAWA PORT WATCH HN UNIT IDLING UNDER VACUUM ON JACK GEAR INTERMITTENTLY FIRING. #4 BLR TO KEEP IT WARM. L.O. PURIFIER. LAST SEAL & DUMPED L.O. TO BILGE. SECURED & RE-STARTED IT. REPACKED MIDDLE PLUNGER. #3 FO. PUMP

OILER MCREOS, FULT LEARY JRENE. SCHLAIS

WATCH ENGR'S SIGNATURE

J. Beaton

2000-2400 WATCH

PORT WATCH - MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - INTERMITTANT FIRE IN #4 BOILER TO MAINTAIN PRESS. - MR. SCHLAIS RELIEVED @ 2100 BY MR. MOONEY - ONE HOUR LATE - BILGES AT SAFE LEVEL

OILER Mc CONNEL - F/W WILLIAMS - JR. ENGR. MOONEY

WATCH ENGR'S SIGNATURE

J. Beaton

2400-0400 WATCH

Port Watch Mach as before & cleaned main unit L.O. strainer & discharge FO strainer. Added L.O. oil through purifier to main unit

WATCH ENGR'S SIGNATURE

N. D. Whipping

0400-0800 WATCH

MACH AS BEFORE. LIT OFF & BROUGHT #4 BLR ON LINE @ 0530. ROLLED HN UNIT @ 0530 TIME & TELE CHECK @ 0530. STBY ENG. @ 0630. BELLS AS PER BELLBOOK DEPT @ 0730. 14 NOZZLES @ 0740 B/C B. OILER MCREOS 2 1/2 HRS LATE IN RELIEVING THE WATCH.

WATCH ENGR'S SIGNATURE

J. Beaton

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #5 F.O. BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. PUMPED BILGES -

WATCH ENGR'S SIGNATURE

J. Beaton

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE

McConnel

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	DIESEL OIL	
1200 TO 1600	3	1200	440	740	8	130	110		65	1200	1200	240	METER AT NOON 3310/6140	ON HAND AT START OF DAY			
	4	1200	440	740	7	143	115		48	1200	1200	240	METER PREVIOUS NOON 2270/7070	EVAPORATED OR RECEIVED			
	3	1200	440	750	8	130	108		65	1200	1200	240	CONSUMED BY METER 409	ON HAND			
	4	1200	440	750	7	142	125		48	1200	1200	240	ON HAND AT START OF DAY 8044	CONSUMED			
1600 TO 2000	3	1200	450	750	8	130	110		65	1200	1200	240	RECEIVED DURING DAY	ON HAND AT START OF DAY			
	4	1200	450	750	7	143	125		48	1200	1200	240	EXPENDED DURING DAY 409/301	RECEIVED			
	3	1200	450	750	8	130	110		65	1200	1200	240	REMAINING ON BOARD	ON HAND			
	4	1200	450	750	7	143	125		48	1200	1200	240	ON HAND AT START OF DAY	CONSUMED			
2000 TO 2400	3	1200	450	750	8	130	110		65	1000	1000	240	EVAPORATED OR RECEIVED	ON HAND			
	4	1200	450	750	7	143	125		48	1000	1000	240	ON HAND	RECEIVED			
	3	1200	450	750	8	130	110		65	1100	1100	240	CONSUMED	CONSUMED			
	4	1200	450	750	7	143	125		48	1100	1100	240					
2400 TO 0400	3	1200	450	750	8	130	110		65	1100	1100	240					
	4	1200	450	750	7	143	125		48	1100	1100	240					
0400 TO 0800	3	1200	450	750	8	130	110		65	1250	1250	240					
	4	1200	450	750	7	143	126		48	1250	1250	240					
0800 TO 1200	3	1200	450	750	8	130	110		65	1100	1100	240					
	4	1200	450	750	7	144	126		48	1100	1100	240					

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

SUMMARY

RUNNING TIME	24 12 25	PROPELLER SLIP (%)	
DETENTION TIME		BBL FUEL MI	
TOTAL REVOLUTIONS	12 93 9	WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

1200-1600 WATCH

1200 Increased speed to 16 Nozz by order from bridge. Mach in operation
Main Unit @ Aux @ 364 Boiler @ Aux @ 364 Turbo Gen @ Aux. Change and cleaned
#2 burner. Change and cleaned FO discharge strainer & suction strainer. Pumped eng room
bilges. Change FO suction to High Out Bd. 1345 hrs. Cleaned LO purifier.

WATCH ENGR'S SIGNATURE

J. Hipping

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BURS. MAKE-UP EVAP ON POT. W. CHANGED
#3 BURNER & HOT OIL STIRNRS

WATCH ENGR'S SIGNATURE

L. B. B. B. B.

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED #5 & #6 F.O. BURNERS & SUCT. & DISCH. STRAINERS -
CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - RETARDED CLOCK 20 MIN. @ 2300 -
PUMPED BILGES - BLEW DOWN MAKE UP EVAP. - CHANGED TO INBD. SETT. @ 2325

WATCH ENGR'S SIGNATURE

J. Herring

2400-0400 WATCH

Mach as before, changed & cleaned main unit LO strainer. Change & cleaned
FO discharge strainer. Change & cleaned #1 FO burner #3 boiler. 0045 hrs Held DRILL E-3
High salinity in boilers & 4 men present & secured from drill 0100 hrs. @ 0100 hrs
retarded clocks 20 min. Cleaned LO strainers on #364 Gen.

WATCH ENGR'S SIGNATURE

J. Hipping

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #4 BURNER & STRAINRS. RETARDED CLOCK
20 mins @ 0500. COMPOUNDED #3 BUR & COND. HELD ENG CAS. DRILL E-8 HALTING
WATCH PERSONNEL @ 0645-0700.

WATCH ENGR'S SIGNATURE

L. B. B. B. B.

0800-1200 WATCH

MACH AS BEFORE EXCEPT - REDUCED SPEED TO 14 NOZ. @ 0800 3/13.
BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O. BURNER & DISCH. STRAINERS -
CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - ADDED 5 GAL. L.O. TO #4 FO. PUMP -
HELD ENG CASUALTY DRILL #E-8-0900 TO 0930 - 1st WATCH - CHANGED TO OUTBD. SETT. @ 1105
PUMPED BILGES -

WATCH ENGR'S SIGNATURE

J. Herring

CHIEF ENGINEER

12-16-65 @ 0400

#3 #4

P 3.50 7.01

T 4.07 8.76

CHL 14.09 13.26

PH 5 5

STM Hrs 462 - 463

CHIEF ENGR'S SIGNATURE

J. Herring

WATCH												

REMARKS

1200-1600 WATCH

Underway 14/1022 Mach in operation Main Unit Aux, #3 & 4
 Bilge Sump, 3 & 4 Turbo Gen Sump. Cleaned & changed #2 F.O. Burner
 & discharge strainer. Cleaned L.O. purifier. Cleaned F.O. section strainer.
 (Stb 1515 Fire DRILL. #53 secured From Fire DRILL @ 1524 Boat DRILL @ Secured @ 1530 hrs)

WATCH ENGR'S SIGNATURE-

M. D. Hopping

1600-2000 WATCH

MACH AS BEFORE BLEW TUBES #3 & 4 BURS. CLEANED #3 BURNER & HOT
 OIL STRNRS. MAKE-UP CLAP ON POT WATER

WATCH ENGR'S SIGNATURE-

W. B. Brinkley

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. & DISCH. STRAINERS -
 CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - ADDED 4 GAL. L.O. TO #4 FEED PUMP -
 CHANGED TO INBD. SETT. @ 2330 - BILGES AT SAFE LEVEL

WATCH ENGR'S SIGNATURE-

J. Seaton

2400-0400 WATCH

Underway 14/1022 Mach in operation as before. Changed & cleaned
 #1 F.O. Burner & F.O. discharge strainer. Cleaned & main unit L.O. strainer & 3 & 4 Turbo Gen L.O.
 strainer. Resealed L.O. purifier.

WATCH ENGR'S SIGNATURE-

M. D. Hopping

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #4 BURNER & F.O. STRNRS.
 ADDED SLCC-A TO CONDENSATE.

WATCH ENGR'S SIGNATURE-

W. B. Brinkley

0800-1200 WATCH

MACH AS BEFORE EXCEPT - REDUCED SPEED TO BLOCK @ 0800 P/B - BLEW TUBES
 #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O. BURNER & DISCH STRAINERS - CHANGED
 & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - ADDED 4 GAL. L.O. TO #4 FEED PUMP -
 PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

J. Seaton

CHIEF ENGINEER

12-17-65 @ 0400
 #3 #4

P 7.59 7.01

T 9.35 8.18

OK 13.67 13.67

P/H 5 10

STM HRS 506-467

CHIEF ENGR'S SIGNATURE

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
										1725 Dec 1961			
		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	137	130	130	130	126	120
DETENTION TIME								135	130	132	132	128	124
REVOLUTION COUNTER (END OF WATCH)		5559 8773	5561 7310	5563 5290	5565 5310	5567 1040	5569 9950						
TOTAL REVOLUTIONS (FOR WATCH)		2046	1896	1793	1503	1773	5910						
AVERAGE RPM		34.1	78.9	74.9	75	73.8	37.1						
F.O. METER (END OF WATCH)		2565 5170	3976 6230	4390 7140	4310 8110	6780 9100	7250 9620						
F.O. CONSUMED		2390	2170	1830	1910	1960	990						
PRESSURES	THROTTLE	410	410	410	410	400	420						
	H.P. AHEAD	340	310	270	270	270	VAR.						
	L.P. AHEAD	11	9	7	7	7	-						
	VACUUM	29"	29"	29"	29"	29.5"	29.5"						
	L.O. TO TURBINES	12	13	13	13	13	13						
	AUX. STEAM	150	150	150	150	150	150						
	BACK PRESSURE	11	11	11	11	11	11						
	GLAND STEAM	1.5	1.0	1.0	1.0	1.0	1.0						
	H.P. BLEEDER	70	-	-	-	-	-						
	L.P. BLEEDER	7	-	-	-	-	-						
	L.P. BLEEDER	17"	-	19"	19"	19"	19"						
	TEMPERATURES	STEAM AT THROTTLE	740	730	720	720	720	-					
L. P. EXHAUST		108	102	104	104	99	122						
CONDENSATE		108	105	105	108	102	100						
CIRC. WATER IN		78	78	80	80	77	77						
CIRC. WATER OUT		90	90	88	88	89	82						
L.O. TO COOLERS		125	122	125	124	125	120						
L.O. FROM COOLERS		110	110	110	110	110	112						
TEMPERATURE THRUST BEARING		113	113	116	117	113	112						
FORWARD H.P. ROTOR BEARING		130	127	124	128	123	118						
AFT. H.P. ROTOR BEARING		140	136	136	135	134	128						
FORWARD L.P. ROTOR BEARING		125	123	124	120	122	115						
AFT. L.P. ROTOR BEARING		130	127	126	125	124	120						
TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD	137	130	130	130	126	120						
	HOTTEST GEAR BEARING AFT	135	130	132	132	128	124						
	AUX. COND. CONDENSATE												
	1ST STAGE FEED WATER HEATER	157	157	156	152	150	110						
	D. C. FEED WATER HEATER	238	238	238	237	238	238						
	3RD STAGE FEED WATER HEATER												
	SUPER HEAT	P 750	730	720	720	720	-						
	F.O. TO BURNERS	S 750	730	720	720	720	-						
	AIR TO FURNACE	P 118	118	120	120	116	108						
	F.O. TEMP. IN SETTLING TANKS	S 118	116	118	115	114	108						
	PORT BOILER UPTAKE												
	STBD. BOILER UPTAKE												
PRESSURES	F. O. BACK PRESSURE												
	MAIN STEAM	440	440	450	440	440	450						
	F.O. TO BURNERS	180	180	165	185	185	VAR.						
	MAIN COND. SALINITY	41	41	41	41	41	41						
	ENGINE ROOM TEMPERATURE	99	99	97	96	94	92						
	FIRE ROOM TEMPERATURE												
	NOZZLES IN USE	Throttle	Throttle	Throttle	Throttle	Throttle	Throttle						
	NO. OF BURNERS IN USE	P 3	2	2	2	2	2						
	BURNER TIP SIZE	S 3	2	2	2	2	2						
	CO ₂ % PORT BOILER												
	CO ₂ % STBD. BOILER												
	MISCELLANEOUS	OIL LEVEL MAIN SUMP	Normal	Normal	Normal	Normal	Normal	Normal					

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		DIESEL OIL			
													METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	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	RECEIVED	CONSUMED
1200 TO 1600	3	1200	440	740	8	133	110		65	1200	1200	240		7250	4620	5620	13383							
	4	1200	440	740	7	144	120		48	1200	1200	240		4630	4610	5620	13383							
1600 TO 2000	3	1200	440	730	8	132	110		65	1100	1100	240												
	4	1200	440	730	7	145	127		48	1100	1100	240			267	228								
2000 TO 2400	3	1200	450	730	8	132	110		70	1000	1000	240												
	4	1200	450	730	7	145	126		48	1000	1000	240												
2400 TO 0400	3	1200	455	720	8	130	110		70	1000	1000	240												
	4	1200	455	720	7	140	120		48	1000	1000	240												
0400 TO 0800	3	1200	450		8	132	110		70	1050	1050	240												
	4	1200	450		7	143	125		48	1050	1050	240												
0800 TO 1200	3	1200	450		8	132	110		70	1100	1100	240												
	4	1200	450		7	142	124		48	1100	1100	240												
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															PROPELLER SLIP (%)									
DETENTION TIME															BBL FUEL, MI									
TOTAL REVOLUTIONS													53679950		WIND DIRECTION									
AVERAGE R.P.M.															STATE OF SEA									
TOTAL MILES BY ENGINE															STATE OF WEATHER									
TOTAL MILES BY OBSERVATION																								

REMARKS

1200-1600 WATCH

Underway on throttle 54 RPM at 1235. Mach in operation main unit & AUX.
 324 Bilge and #324 Turbo Gen. & Sanitary pump & Steam F.O. pump
 & #2 F.O. pump. Cleaned suction strainer and discharge strainer, cleaned #3 burner,
 cleaned L.O. purifier.

P-1662869 (S-7515170) (R.R.)

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACH AS BEFORE. SLOWED TO 78 RPM AVE @ 1600. BLEW TUBES #3 & #4 BURS.
 COMPOUNDED #3 BUR. CHANGED & CLEANED #3 BURNER & HOT OIL STRNRS.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. AS BEFORE EXCEPT - REDUCED SPEED TO 75 R.P.M. @ 2000 B/O B - ADDED 4
 GAL. L.O. TO #4 FEED PUMP - CHANGED & CLEANED #3 & #4 F.O. BURNERS & SUCT. & #4 DISCH.
 STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - COMPLIED WITH
 STANDING & NIGHT ORDERS - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Underway on throttle 75 RPM Mach as before. Changed & cleaned #1 burner
 & F.O. discharge strainer. Cleaned L.O. strainer main unit & #3 & #4 Turbo Gen.
 L.O. strainer. Revalved L.O. purifier. Pumped engine room bilges. Added 5 gal
 L.O. to #4 main feed pump.

WATCH ENGR'S SIGNATURE-

FOR (P-1665812) (S-5718110)

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED HOT & COLD OIL STRNRS COMPOUNDED
 #3 & #4 BURS. STBY @ 0725 ARRIVAL @ 0730

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MANOUEVERING - BELLS AS PER BELL BOOK - BLEW TUBES #3 & #4 BURNERS - CHANGED
 & CLEANED #1 & #2 F.O. BURNERS & #3 DISCH. STRAINER - CHANGED & CLEANED L.O. STRAINERS #3 & #4
 AUX. GEN. - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

12-18-65 @ 0400

#3 #4

P 5.26 7.01

T 7.01 8.18

G/L 11.68 12.24

R/O 10 5

STM HRS 530-511

CHIEF ENGR'S SIGNATURE-