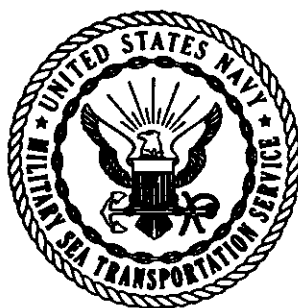


ENGINE ROOM LOG

GEARED TURBINE DRIVE



USNS Gen John Pope (TAP-110)

FROM ⁰⁰⁰⁰3 APRIL 19 67 TO 30 APR. 19 67

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							180	MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING					120	
DETENTION TIME										FORWARD L. P. ROTOR BEARING						125
REVOLUTION COUNTER (END OF WATCH)							2400			AFT. L.P. ROTOR BEARING						125
TOTAL REVOLUTIONS (FOR WATCH)							9300			HOTTEST GEAR BEARING FORWARD						106
AVERAGE RPM							73			HOTTEST GEAR BEARING AFT						170
F.O. METER (END OF WATCH)				1208 0650	1208 1050	1208 1720	1208 260			AUX. COND. CONDENSATE						100
F.O. CONSUMED				250	406	670	1510			1ST STAGE FEED WATER HEATER						185
MACHINERY PARTICULARS	PRESSURES	THROTTLE					440			D. C. FEED WATER HEATER						278
		H.P. AHEAD					430			3RD STAGE FEED WATER HEATER						
		L.P. AHEAD					21			F.O. TO BURNERS						180
		VACUUM					29			F. O. BACK PRESSURE						10
		L.O. TO TURBINES					13			AIR TO FURNACE	1					110
		AUX. STEAM					150			UPTAKE						2.5
		BACK PRESSURE					40			MAIN STEAM						720
		GLAND STEAM					1			SUPER HEAT						220
		H.P. BLEEDER					80			F.O. TO BURNERS						175
		I.P. BLEEDER					1			F.O. TEMP. IN SETTLING TANKS						13/120
MACHINERY PARTICULARS	TEMPERATURES	L.P. BLEEDER					12	PORT BOILER UPTAKE								
		STEAM AT THROTTLE					630	STBD. BOILER UPTAKE								
		L.P. EXHAUST					96	ENGINE ROOM TEMPERATURE						79		
		CONDENSATE					44	FIRE ROOM TEMPERATURE						75		
		CIRC. WATER IN					50	NOZZLES IN USE						18		
		CIRC. WATER OUT					64	NO. OF BURNERS IN USE						6		
		L.O. TO COOLERS					120	BURNER TIP SIZE						5 1/4		
		L.O. FROM COOLERS					100	CO ₂ % PORT BOILER								
		TEMPERATURE THRUST BEARING					106	CO ₂ % STBD. BOILER								
		FORWARD H.P. ROTOR BEARING					112	OIL LEVEL MAIN SUMP						3		

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	DOMESTIC WATER	LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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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. Started L.O. System & Turning Gear @ 0410. Started MAX HUX CIRC PUMPS @ 0630. Started RACING VACUUM ON MAIN UNIT & #304 GENERATORS @ 0130. Started Rolling #304 HUX BEVS @ 0330. Bilges at safe level.

CILER Hornish FWT - KOLAN

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

Port watch - OUT #3 HUX GENERATOR ON THE LINE @ 0630. Whack CLEARANCE FROM BRIDGE @ 0632. Time Electric. Tested Telegraph @ 0700. Disengaged JACKING GEAR @ 0700. OPEN M.S. BS. @ 0740. Started Rolling MAIN UNIT by STM @ 0705. Tested Steering GEAR @ 0710. Started stby L.O. pump @ 0720. Bilges at a safe level. Made routine inspections of MACH & ER SPACES. Chief Engr inspected Engr's spaces.

CILER Stallworth FWT FISHER

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

Underway watch: 611335 per bell book
 Routine check of all equipment in use. Pumped bilges and shot Alleg's all conditions safe and normal.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS	8 A	FROM	TO	TYPE OF VESSEL	DATE
824 2000 1000	8 A	0800 1000	0800 1000	824	8-3-01-4-10

		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					116	118	117	119				
DETENTION TIME											110	123	121	120	123				
REVOLUTION COUNTER (END OF WATCH)		2447 5300	2448 9000	2450 1200	2451 9120	2453 3530	2454 7720				120	120	118	117	120				
TOTAL REVOLUTIONS (FOR WATCH)		21390	13700	15200	14920	14410	14190				115	115	124	124	124				
AVERAGE RPM		89.1	57.0	63.3	62.1	60.0	59.1				105	105	126	124	124				
F.O. METER (END OF WATCH)		1208 6060	1202 7280	1204 8700	1209 9240	1209 1710	1209 3090			60	60	59/40	59/33	58/82	59/40				
F.O. CONSUMED		2800	2220	1420	1480	1470	1370												
MACHINERY PARTICULARS	PRESSURES	THROTTLE			430	430	430	430	MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING								
		H.P. AHEAD			230	190	100	210			FORWARD L. P. ROTOR BEARING			110	123	121	120	123	
		L.P. AHEAD			2	0	0	0			AFT. L.P. ROTOR BEARING			120	120	118	117	120	
		VACUUM			30	30	30	30			HOTTEST GEAR BEARING FORWARD					115	115	124	124
		L.O. TO TURBINES			14	13.2	13.5	13.5			HOTTEST GEAR BEARING AFT					105	105	126	124
		AUX. STEAM			150	145	150	150			AUX. COND. CONDENSATE			60	60	59/40	59/33	58/82	59/40
		BACK PRESSURE			9	9	9	9			1ST STAGE FEED WATER HEATER			160		110	101	95	100
		GLAND STEAM			2	1.0	1.0	1.2			D. C. FEED WATER HEATER			234	105	239	238	240	270
		H.P. BLEEDER									3RD STAGE FEED WATER HEATER								
		I.P. BLEEDER																	
L.P. BLEEDER																			
MACHINERY PARTICULARS	TEMPERATURES	STEAM AT THROTTLE			655	655	655	650	MACHINERY PARTICULARS (CONT'D)	TEMPERATURES	F.O. TO BURNERS	180	180	180	180	180	180		
		L.P. EXHAUST			90	93	90	88			F. O. BACK PRESSURE			5	5	5	5	5	5
		CONDENSATE			70	69	68	70			AIR TO FURNACE			5	107	116	108	105	
		CIRC. WATER IN	57	57	57	56	55				UPTAKE			278 275	295 285	285 290	290 290	295 290	295 290
		CIRC. WATER OUT	62	62	62	60	59				MAIN STEAM			630	620	655	655	655	650
		L.O. TO COOLERS	118	118	118	117	118				SUPER HEAT			460	460	655	460	460	650
		L.O. FROM COOLERS	110	110	110	110	110				F.O. TO BURNERS					140	125	125	100
		TEMPERATURE THRUST BEARING			110	110	107	110			F.O. TEMP. IN SETTLING TANKS			125 115	125 120	125 115	125 115	120 125	125 125
		FORWARD H.P. ROTOR BEARING			115	113	114	115			PORT BOILER UPTAKE			295	280	290	-	290	293
											STBD. BOILER UPTAKE			305	280	295	-	290	293
MACHINERY PARTICULARS	TEMPERATURES							MACHINERY PARTICULARS (CONT'D)	TEMPERATURES	ENGINE ROOM TEMPERATURE		76	76	76	74	76			
										FIRE ROOM TEMPERATURE			76	76	76	74	76		
										NOZZLES IN USE	10	10	10	BLOCK	BLOCK	BLOCK			
										NO. OF BURNERS IN USE	2	2	4	4	4	4	4		
										BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55	51/55		
										CO ₂ % PORT BOILER									
										CO ₂ % STBD. BOILER									
MACHINERY PARTICULARS	TEMPERATURES							MACHINERY PARTICULARS (CONT'D)	TEMPERATURES	OIL LEVEL MAIN SUMP	2.5	2.5	2.5	1.6	1.6	1.6			

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	WATER
1200 TO 1600	3	1200	460	630	8	134	110		64	1300	1250	235	METER AT NOON	12093080
	4	1200	460	650	10	134	110		64	1300	1250	235	METER PREVIOUS NOON	12083360
1600 TO 2000	3	1200	460	650	8	134	110		64	1300	1250	235	CONSUMED BY METER	9720
	4	1200	460	650	10	134	110		64	1300	1250	235	ON HAND AT START OF DAY	9911
2000 TO 2400	3	1200	460	650	8	134	110		64	1300	1250	235	RECEIVED DURING DAY	-0-
	4	1200	460	650	10	134	110		64	1300	1250	235	EXPENDED DURING DAY	370
2400 TO 0400	3	1200	460	650	8	134	110		64	1300	1250	235	REMAINING ON BOARD	9541
	4	1200	460	650	10	134	110		64	1300	1250	235	ON HAND AT START OF DAY	920
0400 TO 0800	3	1200	460	650	8	134	110		64	1300	1250	235	EVAPORATED OR RECEIVED	-0-
	4	1200	460	650	10	134	110		64	1300	1250	235	ON HAND	890
0800 TO 1200	3	1200	460	650	8	134	110		64	1300	1250	235	CONSUMED	30
	4	1200	460	650	10	134	110		64	1300	1250	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
											4	4	4	4
											SUMMARY			
											RUNNING TIME		PERCENT OF SLIP	
											DETENTION TIME		BBL FUEL/MI	
											TOTAL REVOLUTIONS		WIND DIRECTION	
											AVERAGE R.P.M.		STATE OF SEA	
											TOTAL MILES BY ENGINE		STATE OF WEATHER	
											TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

2000-1600 WATCH
UNDEFWAY ON #3 & 4 BOILERS, MAIN ENGINES & SECOND & MAIN CIRC. #3 GEN. ONLINE, #4 IDLING.
PLANT SPLIT - #3 & 4 FEED PUMPS, AIR COMP & PURIFIER - AUX CIRC. & COND. PUMPS - PHASE III DRILLS.
COLL. DRILL & STBY @ 1302 - #4 @ 1350 - STBY @ 1354 - FIRE - FWD. ENGRM - STAG CASE DRILL @ 1448.
FIRE IN #4 BOILER AIR DUCT - SECURE BOILER - NOTIFY BRIDGE - SECURE FROM DRILL @ 1445
60 TURNS B.O.B @ 1507 - #4 @ 1506 - PUMPTED SETTLERS FROM #4 & DEEP

WATCH ENGR'S SIGNATURE.

1600-2000 WATCH

1600-2000 WATCH
FIRE BOX CASUALTY DRILL 1601 (ASSIMILATED) SECURE 1623. NATURAL PUMP
STEERING CLAY CASUALTY DRILL @ 1615 SECURE @ 1619. STBY @ 1615 #1623
CASUALTY DRILL #4 CONDENSATE PUMP. BLOW TUBES #3 & #4 BLR SECURE 1625
FOR ENS. PM. NOTIFIED. ADD #7 & #15 COMPOUND TO #4 BLR. START MAKE-UP EVER 1730
PUMP BILGES

WATCH ENGR'S SIGNATURE.

2000-2400 WATCH

Assumed initial conditions normal

Pumped oil was, cleaned burners, shifted & cleaned F.O. Discharge stream. Parts to
initially speed as directed from column, compared with with others. All conditions
safe and normal.

WATCH ENGR'S SIGNATURE

Reit der Universität Siegen

2400-0400 WATCH

UNDERWAY @ 60 TURNS - MACHINERY IN USE AS BEFORE.
PUMP SETTER FROM # 4 & DEEP. CLEANED # 1 & # 2 BURNER ATOMIZERS & F.O.
DISCH. STRAINER STD - PUMP BILGES.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

4400-0800 WATCH
UNDERWAY @ GOVERN. - MACHINERY IN USE AS BEFORE. ADD 2 GAL. LUB. OIL TO #2 FWP. ADD 1 GAL. LUB. OIL TO #4 FWP - ADD #7 IS COMPOUND TO #4.812.

WATCH ENGR'S SIGNATURE

M.B. + C.M.S. - 4 G.P.C.

0800-1200 WATCH

[illegible]

WATCH ENGR'S SIGNATURE.

CHIEF ENGINEER

Routine Transverse Water Readings
CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE.

USNS GEN. JOHN POPE VOYAGE NO. 84 FROM OAKLAND TO OAKLAND TYPE OF VESSEL P-2-G DATE 4-4-5-47

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							MACHINERY PARTICULARS (CONT'D)						
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)	1209 4882	1209 5680	1209 6260	1209 6970	1209 7490	1209 8400							
F.O. CONSUMED	1800	800	580	710	520								
MACHINERY PARTICULARS	THROTTLE						TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING					
	H.P. AHEAD							FORWARD L. P. ROTOR BEARING					
	L.P. AHEAD							AFT. L.P. ROTOR BEARING					
	AUX. STEAM							HOTTEST GEAR BEARING FORWARD					
	BACK PRESSURE							HOTTEST GEAR BEARING AFT					
	GLAND STEAM							AUX. COND. CONDENSATE		110	108	96	88
	H.P. BLEEDER							1ST STAGE FEED WATER HEATER		150	150	155	150
	I.P. BLEEDER							D. C. FEED WATER HEATER		240	238	235	231
	L.P. BLEEDER							3RD STAGE FEED WATER HEATER					
	STEAM AT THROTTLE						PRESSURES	F.O. TO BURNERS	100	210	170	140	146
PRESSURES	L.P. EXHAUST							F. O. BACK PRESSURE	-				
	AUX. STEAM							AIR TO FURNACE	12.1	2.0	2.5	2.5	2.5
	BACK PRESSURE							UPTAKE					
	GLAND STEAM							MAIN STEAM	460	250	440	440	440
	H.P. BLEEDER							SUPER HEAT		620	620	620	670
	I.P. BLEEDER							F.O. TO BURNERS		190	190	190	190
	L.P. BLEEDER							F.O. TEMP. IN SETTLING TANKS	120/115	115/110	115/110	115/110	115/110
	STEAM AT THROTTLE							PORT BOILER UPTAKE					
	L.P. EXHAUST							STBD. BOILER UPTAKE		320	270	280	280
	AUX. STEAM						TEMPERATURES	ENGINE ROOM TEMPERATURE	74	78	82	74	71
TEMPERATURES	BACK PRESSURE							FIRE ROOM TEMPERATURE	74		74	71	
	GLAND STEAM							NOZZLES IN USE	-				
	H.P. BLEEDER							NO. OF BURNERS IN USE	2	2	2	2	2
	I.P. BLEEDER							BURNER TIP SIZE	53/60	53/60	53/60	53/60	53/60
	L.P. BLEEDER							CO ₂ % PORT BOILER					
	STEAM AT THROTTLE							CO ₂ % STBD. BOILER					
	L.P. EXHAUST							OIL LEVEL MAIN SUMP		19"	19"	19"	19"
	AUX. STEAM												
	BACK PRESSURE												
	GLAND STEAM												

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	12098400		ON HAND AT START OF DAY	210		
													METER PREVIOUS NOON	12093080		EVAPORATED OR RECEIVED	40		
													CONSUMED BY METER	5320		ON HAND	230		
													ON HAND AT START OF DAY	9541		CONSUMED	20		
													RECEIVED DURING DAY	-0-		ON HAND AT START OF DAY	2080		
													EXPENDED DURING DAY	70		RECEIVED	-0-		
													REMAINING ON BOARD	9471		ON HAND	2085		
													ON HAND AT START OF DAY	890		CONSUMED	5		
1200 TO 1600	3	1200											EVAPORATED OR RECEIVED	174		1203			
	4	1200											ON HAND	1014		1200			
1600 TO 2000													CONSUMED	50		3			
													LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)						
2000 TO 2400	3	1200	440	620	8	130	108		61	1150	1400	240	L.O. CENTRIFUGE - HOURS OPERATED						
	4	1200	440	620	10	135	116		45	1150	1100	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
2400 TO 0400	3	1200	440	670	8	133	110		64	1200	1200	240	4	4	4	4	4		
	4	1200	440	670	10	136	110		45	1150	1150	240	SUMMARY						
0400 TO 0800	3	1200	440	670	8	133	110		64	1020	1000	240	RUNNING TIME				PERCENT OF SLIP		
	4	1200	440	670	10	133	110		45	1150	1150	240	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

BELLS AS PER BELL BOOK - MAN O'BOARD & BOAT DRILL, SECURE FROM ALL DRILLS @ 1500.

WATCH ENGR'S SIGNATURE-

M. Donnell

1600-2000 WATCH

MANEUVERING - F.W.E. @ 1557 BELLS PER BELL BOOK

FROM - P = 4101320 ENTR F = 24555898

" - S = 7993240 " S = 25484119

PORT RELIEF WATCH. Busy making necessary adjustments to keep this thing going. Pumped ER bilge and SA.

Oiler - Stolwerth FWT - Fisher Rfr - Gentil

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

St. Karsten

PORT RELIEF WATCH. Mach. as left. Changed and cleaned burners and disc strainer. Pumped SA down. ER bilge satisfactory. No. 4 Boiler 100° L.P. 110° but H.P. 210° Did not secure. Too hot for H.P. L.C. Purifier running. Complied with S/C & N/C. Condition Normal.

Oiler - Taitzdue FWT - Watkins Rfr Beans

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

R. L. Lacey Rfr

ROUTINE PORT WATCH. Pressure Main Air Eject CONDENSAT INLET TO BRING UP AUX COND. VACUUM. NOT EXHAUSTED VIA COND. THROUGH AULDIA EJECT. VACUUM RETURNED TO NORMAL. CRACK #4 (L.O. COOLER S.G. OUT LET VENT LINE FOR 1 HR. ALSO STARTED STBD ENG. ROOM VENT (SUPPLY) BLEWER TO BRING #4 L.O. COOL. COOLER TEMP TO NORMAL.

Oiler HORNISH

FWT KEEHAN

Rfr MARVIN

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

W. V. J. 12/6

ROUTINE PORT WATCH

BILGES AT SAFE LEVEL

MAIN UNIT HP EXHAUST STILL OVER 150 DID NOT SECURE JAW SEAM + L.O. SUL PUMP

WATCH AS BEFORE

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

W. V. J. 12/6

PORT WATCH. WORKING ON REPAIRS (SALE FOR AUX F.W. PUMP) OVERHAULING REPAIRS. LUBE FOR NO. 4 P. EJECTOR - RENEWING PACKING FOR STEAM SIDE SOOT BLOWERS. REPAIR PACKING A.L.V. CR. L.T. WATER PUMP. START F.W. EJECT. PUMP.

WATCH ENGR'S SIGNATURE-

St. Karsten

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

St. Karsten

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							MACHINERY PARTICULARS (CONT'D)	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)	1209 5700	1209 9200	1209 9720	1210 0280	1210 0840	1210 1500		AUX. COND. CONDENSATE	85	85	86	90	90
F.O. CONSUMED		500	520	560	560	665	MACHINERY PARTICULARS (CONT'D)	1ST STAGE FEED WATER HEATER	145	145	125	127	128
PRESSURES	THROTTLE							D. C. FEED WATER HEATER	238	238	239	238	238
	H.P. AHEAD							3RD STAGE FEED WATER HEATER					
	L.P. AHEAD	GA.						F.O. TO BURNERS	190	190	190	190	190
	SS GENS VACUUM	3 30"	4 30"	29"	29"	29"		F.O. BACK PRESSURE					
	L.O. TO TURBINES							AIR TO FURNACE	4.4	4.0	3.0	2.0	2.0
	AUX. STEAM		135	135	135	135		UPTAKE					
	BACK PRESSURE		9.5	9.5	9.5	9		MAIN STEAM	440	450	450	450	450
	GLAND STEAM							SUPER HEAT	cut	cut	-		
	H.P. BLEEDER							F.O. TO BURNERS	200	200	190	190	190
	I.P. BLEEDER							F.O. TEMP. IN SETTLING TANKS	119 110	110 110	115 105	110 120	110 120
TEMPERATURES	L.P. BLEEDER						BOILER PARTICULARS	PORT BOILER UPTAKE					
	STEAM AT THROTTLE							STBD. BOILER UPTAKE	270	270	285	280	285
	Gen Exhaust L.P. EXHAUST		No therm 95/100					ENGINE ROOM TEMPERATURE	76	76	78	75	75
	CONDENSATE							FIRE ROOM TEMPERATURE					
	CIRC. WATER IN		58	58	57	58		NOZZLES IN USE					
	Aux. CIRC. WATER OUT		No therm	-				NO. OF BURNERS IN USE	2	2	2	2	2
	L.O. TO COOLERS						MISCELLANEOUS	BURNER TIP SIZE	53 60/100	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					

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	WATER
1200 TO 1600													METER AT NOON	ON HAND AT START OF DAY
													METER PREVIOUS NOON	EVAPORATED OR RECEIVED
													CONSUMED BY METER	ON HAND
													ON HAND AT START OF DAY	CONSUMED
													RECEIVED DURING DAY	ON HAND AT START OF DAY
													EXPENDED DURING DAY	RECEIVED
													REMAINING ON BOARD	ON HAND
1600 TO 2000	3	1200	450	-	10	133	110		47	900	900	240	ON HAND AT START OF DAY	CONSUMED
	4	1200	450	-	8	132	110		64	900	900	240	EVAPORATED OR RECEIVED	
2000 TO 2400	3	1200	450	-	10	130	108		45	950	950	240	ON HAND	
	4	1200	450	-	8	132	110		64	950	950	240	CONSUMED	
2400 TO 0400	3	1200	450		10	133	110		45	900	850	240	ON HAND AT START OF DAY	
	4	1200	450		8	132	110		64	900	850	240	EVAPORATED OR RECEIVED	
0400 TO 0800	3	1200	450		10	132	110		45	1000	1000	240	ON HAND	
	4	1200	450		8	132	110		64	880	850	240	CONSUMED	
0800 TO 1200	3	1200	450		11	130	108		45	1000	1000	240	ON HAND AT START OF DAY	
	4	1200	450		9	134	110		64	1000	1000	240	EVAPORATED OR RECEIVED	
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
											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

PORT RELIEF WATCH.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

PORT RELIEF WATCH. Mach'y. as left. Made check of mach'y. and spaces. Working since 1630-1630. Changed and cleaned burners and str. Replaced with burners 53/60. Secured F.W. on deck. Pumped SA down. F.W. Suct 3 ^{Est. ex} Std.

2000-2400 WATCH

Ciler - Taitague FWT - Sowards R/C - Beans

WATCH ENGR'S SIGNATURE-

PORT RELIEF WATCH. Mach'y. same. Routine checks of mach'y. & spaces. Changed and cleaned burners and disch. str. Pumped ER & SA down. Complied with S/O & N/O.

Satt. - Inbd. 105° - 14' F.W. Suct 3 Std. Just about on even keel. 8' in 3 E.

2400-0400 WATCH

Ciler - Taitague FWT - Sowards R/C - Beans

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH

Bilges AT SAFE LEVEL

ROUTINE INSPECTIONS OF Aft Mach Space. MARR

0400-0800 WATCH

Ciler Hornish FWT KEELAN REEFER MARVIN

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH

Bilges OK BUT STBD SHFT HULL FILLS UP TOO FAST DUE TO EXCESSIVE STERN SEAND LEAKAGE. ALSO IT IS DIFFICULT TO PUMP BILGES WITH AFTER BILGE PUMP AS SAME HAS PACKING SEAND 2" BLOCKED & LETS AIR SIZZ INTO PUMP. (FRESH WATER) (F3 PORT DUMP WENT DRY @ 0600 CHANGED TO #3 & DUMP) AIR SACK DRAIN CLOGGED WITH SOOT OVERFLOWING INTO LOWER ENG. ROOM.

0800-1200 WATCH

WATCH AS BEFORE

WATCH ENGR'S SIGNATURE-

PORT WATCH

Bilges OK and safe

Routine test and inspections

CHIEF ENGINEER

Ciler Morris FWT Fisher

WATCH ENGR'S SIGNATURE-

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
		8A				26-6-7-67

	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							MACHINERY PARTICULARS (CONT'D)	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)		1210 2420	1210 3070	1210 3640	1210 4140	1210 4340		AUX. COND. CONDENSATE		102	102	104	102	105
F.O. CONSUMED		510	530	570	500	750		1ST STAGE FEED WATER HEATER		140	125	140	140	140
								O. C. FEED WATER HEATER		240	238	238	238	238
								3RD STAGE FEED WATER HEATER						
PRESSURES	THROTTLE						BOILER PARTICULARS	F.O. TO BURNERS		190	180	180	210	170
	H.P. AHEAD							F.O. BACK PRESSURE						
	L.P. AHEAD							AIR TO FURNACE		25	2.0	2.0	2.5	2.5
	SUGARS VACUUM	29"	29"	29"	29	29		UPTAKE		270				
	L.O. TO TURBINES							MAIN STEAM		240	450	430	450	430
	AUX. STEAM	135	135	135	135	135		SUPER HEAT						
	BACK PRESSURE	10	19	10	10	10		F.O. TO BURNERS		180	180	190	190	
	GLAND STEAM							F.O. TEMP. IN SETTLING TANKS		130	125	125	120	125
	H.P. BLEEDER							PORT BOILER UPTAKE						
	L.P. BLEEDER							STBO. BOILER UPTAKE		270	280	280	280	240
TEMPERATURES	STEAM AT THROTTLE						MISCELLANEOUS	ENGINE ROOM TEMPERATURE		72	80	80	87	74
	GEN. L.P. EXHAUST	100/104	100/104	100/104	100/104	100/104		FIRE ROOM TEMPERATURE						
	CONDENSATE							NOZZLES IN USE						
	CIRC. WATER IN	58	58	54	59	57		NO. OF BURNERS IN USE		2	2	2	2	2
	CIRC. WATER OUT							BURNER TIP SIZE		53/60	53/60	53/60	53/60	53/60
	L.O. TO COOLERS							CO ₂ % PORT BOILER						
	L.O. FROM COOLERS							CO ₂ % STBO. BOILER						
	TEMPERATURE THRUST BEARING							OIL LEVEL MAIN SUMP						
	FORWARD H.P. ROTOR BEARING													

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	12104890	ON HAND AT START OF DAY	240
													METER PREVIOUS NOON	12161500	EVAPORATED OR RECEIVED	-0-
													CONSUMED BY METER	2390	ON HAND	222
													ON HAND AT START OF DAY	9411	CONSUMED	18
													RECEIVED DURING DAY	-0-	ON HAND AT START OF DAY	2080
													EXPENDED DURING DAY	70	RECEIVED	-0-
													REMAINING ON BOARD	9341	ON HAND	2075
1600 TO 2000	3	1200	440	-	8	130	108		64	950	950	240	ON HAND AT START OF DAY	1093	CONSUMED	5
	4	1200	440	-	10	130	108		45	950	950	240	EVAPORATED OR RECEIVED	-0-		1198
													ON HAND	1045		1195
													CONSUMED	48		3
2000 TO 2400	3	1200	450	-	8	132	110		64	950	950	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)			
	4	1200	450	-	10	130	108		45	950	950	240	L.O. CENTRIFUGE - HOURS OPERATED			
													1200 TO 1600		1600 TO 2000	
													2000 TO 2400		2400 TO 0400	
2400 TO 0400	3	1200	450		8	132	110		64	950	950	240	0400 TO 0800		0800 TO 1200	
	4	1200	450		10	132	110		45	950	950	240	SUMMARY			
													RUNNING TIME		PERCENT OF SLIP	
0400 TO 0800	3	1200	450		8	133	110		64	1000	1000	240	DETENTION TIME		BBL FUEL/MI	
	4	1200	450		10	133	110		45	1000	1000	240	TOTAL REVOLUTIONS		WIND DIRECTION	
													AVERAGE R.P.M.		STATE OF SEA	
0800 TO 1200													TOTAL MILES BY ENGINE		STATE OF WEATHER	
													TOTAL MILES BY OBSERVATION			

1200-1600 WATCH

Order: *Phoxinus phoxinus*

WATCH ENGR'S SIGNATURE.

1600-2000 WATCH

Elec. - Peter

Other - Taitoeue Fur - Sowards Rtn - Beans

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

Elac Porter

Oiler - Tartaric. Fwt - Swords Rfr Beans

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Routine Post Water

Budgets At SAME LEVEL

was told, Beans would stand Martins watch, By Mr Lewis you can
 BEARING watch. Beans no show in Eng. Room all watch
 YOTE BRISTOL'S THERMO COUPLE REMOTE THERMOMETER NOT WORKING

CILKAR HERNISH FWT KEEHAN BEEFER ?

WATCH ENGR'S SIGNATURE.

0400-0800 WATCH

Portugal Post Water

SECURED X OVER ON DRAIN FROM FWD ALSO PUT DRAIN TC

FWO ATMO. DR. TK + OPENED DRAINS TO MM. COND. @ 0600

TO GET STY TO GALLEY PLUS STN. COOKERS.

Beans No Show in Eng Room All children

Where HARRIS got KELIAN KEETER - ?

WATCH ENGR'S SIGNATURE

0800.1200 WATCH

PORT WATCH.

FUELING SHIP @ 0345. RENEW PIPING IN BLUE PUMP. OVERHAULING COOLER FOR BAR WATER TEST. WORKING ON FIRE PUMP.

TEST TEL @ 1107 START TAKING RM @ 1125 MEET @ 49715300

OILER - J. MORIS TWT - FISHER
CHIEF ENGINEER

WATCH ENGR'S SIGNATURE.

CHIEF ENGINEER

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								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)								
DETENTION TIME												AFT. H. P. ROTOR BEARING						
REVOLUTION COUNTER (END OF WATCH)												FORWARD L. P. ROTOR BEARING						
TOTAL REVOLUTIONS (FOR WATCH)												AFT. L.P. ROTOR BEARING						
AVERAGE RPM												HOTTEST GEAR BEARING FORWARD						
												HOTTEST GEAR BEARING AFT						
												AUX. COND. CONDENSATE						
F.O. METER (END OF WATCH)		1210 5500	1210 6070	1210 6620	1210 7230	1210 7840	1210 8440											
F.O. CONSUMED		610	570	550	610	610	600											
PRESSURES	THROTTLE							BOILER PARTICULARS		TEMPERATURES								
	H.P. AHEAD											F.O. TO BURNERS	180	180	200	185	200	185
	L.P. AHEAD											F. O. BACK PRESSURE						
	GENERATORS VACUUM	29	29"	29"	29"	29"	29"					AIR TO FURNACE	2.5	2.5	2.0	2.5	2.5	2.5
	L.O. TO TURBINES											UPTAKE						
	AUX. STEAM	135	130	130	130	130	130					MAIN STEAM	430	450	450	450	450	450
	BACK PRESSURE	8	10	10	10	10	10					SUPER HEAT						
	GLAND STEAM											F.O. TO BURNERS		190	190	190	190	190
	H.P. BLEEDER											F.O. TEMP. IN SETTLING TANKS	102/100	102/100	105/100	103/120	100/120	120/110
	L.P. BLEEDER											PORT BOILER UPTAKE						
TEMPERATURES	STEAM AT THROTTLE							STBD. BOILER UPTAKE	290	295	295	290	265	270				
	GEN EXHAUST	102/101	100/98	102/116	102/104	103/104	102/110	ENGINE ROOM TEMPERATURE	70	50	82	84	87	74				
	CONDENSATE							FIRE ROOM 50% TEMPERATURE Compd.	70	0.2	0.2	0.2	0.2	0.2				
	CIRC. WATER IN	60	60	59	62	60	60	NOZZLES IN USE										
	CIRC. WATER OUT	60	-					NO. OF BURNERS IN USE	3	2	2	2	2	2				
	L.O. TO COOLERS							BURNER TIP SIZE		53/100	53/60	53/60	53/60	53/100				
	L.O. FROM COOLERS							CO ₂ % PORT BOILER										
	TEMPERATURE THRUST BEARING							CO ₂ % STBD. BOILER										
	FORWARD H.P. ROTOR BEARING							OIL LEVEL MAIN SUMP										

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	WATER	LUBE OIL			
1200 TO 1600	3	1200	440	-	8	130	108		40	1000	1000	240	METER AT NOON	12108440	ON HAND AT START OF DAY	222		
													METER PREVIOUS NOON	12104880	EVAPORATED OR RECEIVED	-0-		
1600 TO 2000	4	1200	440	-	10	130	108		45	1000	1000	240	CONSUMED BY METER	3550	ON HAND	212		
													ON HAND AT START OF DAY	9,341	CONSUMED	8		
													RECEIVED DURING DAY	7,268	ON HAND AT START OF DAY	2025		
													EXPENDED DURING DAY	60	RECEIVED	-0-		
													REMAINING ON BOARD	16,598 7,208	ON HAND	2070		
2000 TO 2400	3	1200	450	-	8	130	110		62	1000	1000	240	ON HAND AT START OF DAY	1045	CONSUMED	5		
	4	1200	450	-	10	130	110		46	1000	1000	240	EVAPORATED OR RECEIVED	-0-		1195		
2400 TO 0400													ON HAND	1000		1193		
													CONSUMED	45		2		
0400 TO 0800	3	1200	450	-	8	132	110		62	900	900	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
	4	1200	450	-	10	131	108		46	900	900	240						
0800 TO 1200	3	1200	450	-	8	132	110		64	1000	1000	240	L.O. CENTRIFUGE - HOURS OPERATED					
	4	1200	450	-	10	133	110		45	900	900	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
														4	4	4		
SUMMARY																		
RUNNING TIME													PERCENT OF SLIP					
DETENTION TIME													BBL FUEL/MI					
TOTAL REVOLUTIONS													WIND DIRECTION					
AVERAGE R.P.M.													STATE OF SEA					
TOTAL MILES BY ENGINE													STATE OF WEATHER					
TOTAL MILES BY OBSERVATION																		

REMARKS

1200-1600 WATCH

CHIEF ENGR. AND MR. CHITTON CHECKED MAIN REDUCTION GEARS. 6 PHASE COND. SATISFACTORY. COMPLETED 1400.

COMPLETED FLEETING @ 1345. GROSS 7481 NET 7218 LBS. ✓
 CLEAN F.O. SUCT. STRAINER. ADD COMP TO #3 BLR. #4 = 5.
 FILL P/S. SETTLERS. PUMP 3 LBS. PORT WATER WASH. IN OPERATION. #3 & #4 TO 300 GPM. #2 AUX CIRCULATOR.
 #3 MAIN COND. PUMP. #3 AUX AIR EJECTOR. #101 FRESH WATER PUMP. #3 F.O. PUMP. F.O. SUCT. STOP. FRESH WATER
 SUCT. #3. OVER. J. MORRIS FWT. FISHER. SECURE TAKING F.W. @ 1435 WATCH ENGR'S SIGNATURE. *J. Morris*

1600-2000 WATCH

PORT RELIEF WATCH. Machinery as left: #3 Boiler, F.O. Blower, Elec. F.O. Pump & F.C. Sump Pump on outbd. sett, 22' at 102'. Nos 3 & 4 SS Gang. w/ Aux Circ. and No. 3 Ma. Cond Pump, No. 1 F&S Pump and F.W. Pump, Air Comp. & M/E Evap. Changed and cleaned burners and F.O. Disch. Str. Replaced burners with 2-294cs. Return drains as left - fwd to D.B. Much better - eliminates terrific hammer and hot condensers. Pumped Evap Flat dry. ER satisfactory. Pumped SA. No Elap. 90% forced PA System. Ciler - Taitague FWT - Sowards Rtr - Beans ^{Working Storages.} WATCH ENGR'S SIGNATURE. *J. Morris*

2000-2400 WATCH

PORT RELIEF WATCH. Machinery same. Routine checks of machinery and spaces. Changed and cleaned burners and F.O. Disch. Str. Pumped ER & SA bilges. Complied with S/C & N/C. Condition Normal. 2245 Fwd. ER Reg. Fd. D.B. Full. Sec. Aft. ER Evap. and taking M.U. Suct. from Full Res Tank. ^{Fwd.} 2230 Secured taking Storages.

Ciler - Taitague FWT - Sowards Rtr - Beans

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

BAW TUBES STOP. BOILER AFTER RECEIVING PERMISSION TO BAW START @ 0315 KEELAN FWT DID NOT SHOW UP FOR WATCH. SOWARDS STAYED ON UNTIL 0400. PUMPED EVAP FLAT BILGES.

DILLA HORNISH

FWT SOWARDS REEFER MARLIN

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

ROUTINE PORT WATCH
 PUMPED SHARP ALLEY BILGES P.T.S & L. AFT. STAR IS FILLING UP FASTER THAN EVER.
 FISHER TOOK OVER SECOND HALF OF KEELAN'S WATCH AT 0900

DILLA HORNISH

FWT FISHER REEFER MARLIN

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

ROUTINE PORT WATCH
 BILGES AT SAFE LEVEL
 CHANGED F.O. SUCTION STRAINER & CLEANED SAME. ✓
 AT 0800 KEELAN PHONED IN. SAID HE WAS IN AUTO ACCIDENT ON BAY BRIDGE ON WAY TO WORK. TOLD HIM TO HAVE SOMETHING TO PROVE THIS FOR THE SHIP'S RECORD.

DILLA MORRIS FWT FISHER REEFER BENTLEY

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

1600-2000 Covered open manhole by elevator - 4 nuts loosely. Squawk by Stewards - stench making them 'sick' so they said, besides being dangerous. CIL.

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													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)		1210 9960	1210 9510	1211 0050	1211 0610	1211 1040	1211 1850						
F.O. CONSUMED		520	550	540	560	430	810						
PRESSURES	THROTTLE												
	H.P. AHEAD												
	L.P. AHEAD												
	GENS. 3-4 VACUUM	29"	24"	29"	29	29	29						
	L.O. TO TURBINES												
	AUX. STEAM	135	135	135	135	135	135						
	BACK PRESSURE	10	10	10	10	10	10						
	GLAND STEAM												
	H.P. BLEEDER												
	L.P. BLEEDER												
TEMPERATURES	STEAM AT THROTTLE												
	Aux. L.P. EXHAUST	100/108	102/106	102/108	103/108	104/109	104/110						
	CONDENSATE												
	CIRC. WATER IN	60	60	59	59	61	62						
	CIRC. WATER OUT	-	-										
	L.O. TO COOLERS												
	L.O. FROM COOLERS												
	TEMPERATURE THRUST BEARING												
	FORWARD H.P. ROTOR BEARING												
MACHINERY PARTICULARS (CONT'D)		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
BOILER PARTICULARS (CONT'D)		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
MISCELLANEOUS		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

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	3	1200	450	-	8	130	110		64	950	950	240	METER AT NOON	12111850	ON HAND AT START OF DAY	212		
	4	1200	450	-	10	130	110		45	950	950	240	METER PREVIOUS NOON	12108440	EVAPORATED OR RECEIVED	12		
1600 TO 2000													CONSUMED BY METER	3410	ON HAND	212		
	3	1200	450	-	8	131	108		64	850	850	240	ON HAND AT START OF DAY	16549	CONSUMED	12		
	4	1200	450	-	10	130	109		45	850	850	240	RECEIVED DURING DAY	-0-	ON HAND AT START OF DAY	2070		
													EXPENDED DURING DAY	40	RECEIVED	-0-		
2000 TO 2400													REMAINING ON BOARD	16509	ON HAND	2065		
	3	1200	450	-	8	132	108		64	900	900	240	ON HAND AT START OF DAY	1000	CONSUMED	6		
	4	1200	450	-	10	130	108		45	900	900	240	EVAPORATED OR RECEIVED	-0-		1193		
2400 TO 0400													ON HAND	970		1190		
	3	1200	450	-	8	133	110		64	900	900	240	CONSUMED	30		3		
0400 TO 0800													LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
	4	1200	450	-	10	130	108		45	900	900	240						
0800 TO 1200													L.O. CENTRIFUGE - HOURS OPERATED					
	3	1200	450	-	8	133	112		64	Var	005	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	4	1200	450	-	10	130	110		45	Var	005	240	-					
													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

PORT RELIEF WATCH. Machinery in Oper. - No 3 Boiler, F.D. Blower, Elec. Fd. Pump & F.O. Serv. Pump on Cutbd. Set approx. 16' at 102, Nos 3-4 SS Gens. w/aux. circ. and Mo. Cond. Pump, No. 1 F&S Pump & F.W. Pump, M/E Evap & Centri secured today - no record on Centri but secured. F.W. Suct. 3P, 13 ft. Fwd. Res. Fd 4; M/L on same. Fwd. drains to Res. Fd. Aft drains normal to ADT. Pumped SA down P/B, ER & Evap. Flat satisfactory. M&R Crew installing lines in Evap Flat.

Oiler - Fisher FWT - Morris RTR - Gintel

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

PORT RELIEF WATCH. Machinery same. Routine checks of machinery and spaces. Bilges satisfactory. Condition normal. Changed and cleaned burners and disch. str. M&R secured about 1600.

2000-2400 WATCH

CHIEF TAITAGUE FWT - Sowards RTR - Brown WATCH ENGR'S SIGNATURE *[Signature]* RTR
PORT RELIEF WATCH. Machinery same. Made routine checks of machinery and spaces. Changed burner and str. and cleaned. Pumped SA & ER bilge. Complied w/S/C & N/C. Condition Normal.

Oiler - Taitague FWT - Sowards RTR - Brown

WATCH ENGR'S SIGNATURE

~~FWT KEEGAN, ANTHONY, ABOARD, DID NOT REPORT FOR WORK. FOUND THAT HE~~
~~ARRANGED FOR FISHER TO TAKE HIS WATCH WITHOUT MY APPROVAL OR KNOWLEDGE.~~

PLANT AS BEFORE NORMAL

BILGES AT SAFE LEVEL.

Oiler HANSEN FWT FISHER RTR MARVIN

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

ROUTINE PORT WATCH

PUMPED SAFT ALLEY BILGES DOWN

CHANGED FRESH WATER SECTION TO F3 & DEEP TK.

CHANGED & CLEANED BURNERS

WATCH AS BEFORE

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

ROUTINE PORT WATCH

BILGES AT SAFE LEVEL

CALLED OUT SPEED TO RELIEVE FISHER. AS I DIDN'T WANT FISHER TO STAND
16 HR. WATCH.

START WORKING CARGO ABOUT 0800.

FAST SPEED OILER MORRIS RTR GENTLE

PORT ELECT
BROOKS

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE

USNS		VOYAGE NO. 8A		FROM		TO		TYPE OF VESSEL		DATE 4-9/10-67			
		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)		1211 2510	1211 2500	1211 3580	1211 4210	1211 4500	1211 5480						
F.O. CONSUMED		660	490	580	630	590	680						
PRESSURES	THROTTLE							MACHINERY PARTICULARS (CONT'D) TEMPERATURES (CONT'D)					
	H.P. AHEAD												
	L.P. AHEAD												
	GENS. VACUUM 3 2	29"	29"	29"	29"	29"	29"						
	L.O. TO TURBINES												
	AUX. STEAM	135	130	130	130	130	130						
	BACK PRESSURE	10	10	10	9.5	9.5	9.						
	GLAND STEAM												
	H.P. BLEEDER												
	I.P. BLEEDER												
L.P. BLEEDER													
TEMPERATURES	STEAM AT THROTTLE							MACHINERY PARTICULARS (CONT'D) PRESSURES (CONT'D)					
	GEN. E.P. EXHAUST	104 108	104 109	104 106	104 108	104 108	104 103						
	CONDENSATE												
	CIRC. WATER IN	58	58	58	60	60	58						
	CIRC. WATER OUT												
	L.O. TO COOLERS												
	L.O. FROM COOLERS												
	TEMPERATURE THRUST BEARING												
	FORWARD H.P. ROTOR BEARING												
								MACHINERY PARTICULARS (CONT'D) PRESSURES (CONT'D)					

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	METER AT NOON	12/15480	ON HAND AT START OF DAY	212	
														METER PREVIOUS NOON	12111850	EVAPORATED OR RECEIVED	-0-	
														CONSUMED BY METER	3630	ON HAND	200	
														ON HAND AT START OF DAY	16509	CONSUMED	12	
														RECEIVED DURING DAY	-0-	ON HAND AT START OF DAY	2065	
														EXPENDED DURING DAY	45	RECEIVED	-0-	
														REMAINING ON BOARD	16454	ON HAND	2060	
														ON HAND AT START OF DAY	870	CONSUMED	5	
														EVAPORATED OR RECEIVED	162		1190	
														ON HAND	1092		1188	
														CONSUMED	40		2	
													LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water used gals.)					
													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					
1200 TO 1600	3	1200	450	-	8	133	110		64	900	900	240						
	4	1200	450	-	10	133	110		45	900	900	240						
1600 TO 2000	3	1200	450	-	8	132	110		64	950	950	240						
	4	1200	450	-	10	130	110		45	950	950	240						
2000 TO 2400	3	1200	450	-	8	132	110		64	900	900	240						
	4	1200	450	-	10	130	110		45	900	900	240						
2400 TO 0400	3	1200	450		8	133	110		64	1000	1000	240						
	4	1200	450		10	133	110		45	950	950	240						
0400 TO 0800	3	1200	450		8	133	110		64	1000	1000	240						
	4	1200	450		10	133	110		45	1000	1000	240						
0800 TO 1200	3	1200	450		8	130	110		45	1200	1200	240						
	4	1200	450		10	132	110		64	1200	1200	240						

REMARKS

1200-1600 WATCH

PORT RELIEF WATCH. Mach'y in Oper. - No. 3 Boiler, F.D. Blower, Elec. Fe. Pump & F.C. Serv. Pump, on Cutbd. Sett. 6 1/2" 104". Nos. 3-4 SSGens, Aux. Circ. and No. 3 P.M. Cond. Pump, No. 3 Aux. Eject, No. 1 F.E.S. Pump & F.W. Pump, F.W. Suct. 3 1/2", 9 ft. Fwd. Res. Id. on M.L., 4 1/2" Fwd. Dis. to Res. Fe. Aft. normal to A.D.I. Pumped S.A. down P/S. Changed and cleaned burner and F.C. Disch. Str. ER & Evap. Flat bilgeas satisfactory. Working Cargo. Need F.O. Str. Gaskets. Cannot find any in either ER. Making some.

Oilcr - Morris FWT-Speed Rfr - Gintal Elec. Brooks WATCH ENGR'S SIGNATURE *[Signature]* R/E

1600-2000 WATCH

PORT RELIEF WATCH. 1540 Sonard's FWT phoned - "Ill". Retained Speed with his consent for 16 hr. watch. He would like tomorrow 'OFF'. Good man. - worth keeping. Mach'y same except changed to Inboard Sattler. Routine checks of mach'y and spaces. Cargo cps. sec. M & R Suct. Changed and cleaned burner and str. Elec. repaired magnetic door hold for Mate. Secured? Cargo secured.

Oilcr - Taitague FWT-Speed Rfr - X Brown WATCH ENGR'S SIGNATURE *[Signature]* R/E

2000-2400 WATCH

PORT RELIEF WATCH. Mach'y same. Changed & cleaned burner and disch. str. Did not change or clean Suct. Str. Forgot it - so busy cutting disch. str. gaskets. Pumped SA bilge P/S & ER. Complied with S/O & N/O Condition Normal.

Oilcr - Taitague FWT-Speed Rfr - Brown

2400-0400 WATCH

CALLER CALLED KEEHAN 2 TIMES. DIDN'T GET UP. CALLED OUT WATKINS. PUMPED SHAFT ALLEY BILGES DOWN BUT NOT DRY AT 0200. CHANGED BURNERS. CLEANED F.O. DISCHARGE STRAINERS.

Oilcr HORNISH FWT WATKINS REEFER MARVIN

0400-0800 WATCH

ROUTINE PORT WATER. TOOK ON FRESH WATER TO #3 & DEEP. PUMPED STBD SHFT ALLEY BILGES DOWN BUT NOT DRY, THIS SIDE FILLS UP EXTREMELY FAST.

Oilcr HORNISH FWT WATKINS REEFER MARVIN

0800-1200 WATCH

PORT WATCH. FIRE DRILL @ 0900 ALL CLEAR 0937. BOAT DRILL @ 0931 ALL CLEAR @ 0927. #3 BLR. TEST 25616. CONT. BOTTON BLOW. BLOW DOWN EVAP EVERY HR.

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE *[Signature]*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		
RUNNING TIME							—	MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	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)		1211 6170	1211 6770	1211 7990	1211 8350	1211 9840	12120 790			AUX. COND. CONDENSATE							
F.O. CONSUMED		640	600	720	960	1490	940			1ST STAGE FEED WATER HEATER							
										D. C. FEED WATER HEATER							
										3RD STAGE FEED WATER HEATER							
MACHINERY PARTICULARS	PRESSURES	THROTTLE					—	BOILER PARTICULARS	TEMPERATURES	F.O. TO BURNERS							
		H.P. AHEAD					—			F. O. BACK PRESSURE							
		L.P. AHEAD					—			AIR TO FURNACE							
		GEN. VACUUM		29"	29"	27.5"	27.5"			23"							
		L.O. TO TURBINES					14			UPTAKE							
		AUX. STEAM		130	140	100 to 120	85 to 140			85 to 140	140	MAIN STEAM					
		BACK PRESSURE		9	10	9	9			7	9	SUPER HEAT					
		GLAND STEAM									3	F.O. TO BURNERS					
		H.P. BLEEDER									—	F.O. TEMP. IN SETTLING TANKS					
		L.P. BLEEDER									—	PORT BOILER UPTAKE					
MACHINERY PARTICULARS	TEMPERATURES	STEAM AT THROTTLE						MISCELLANEOUS		STBD. BOILER UPTAKE							
		GEN. L.P. EXHAUST		104/105	112/116	112/118	104/105			112/125	105	ENGINE ROOM TEMPERATURE					
		CONDENSATE										FIRE ROOM TEMPERATURE					
		CIRC. WATER IN		58	58	58	58			58	56	NOZZLES IN USE					
		CIRC. WATER OUT									60	NO. OF BURNERS IN USE					
		L.O. TO COOLERS					90			92	102	BURNER TIP SIZE					
		L.O. FROM COOLERS					90			92	100	CO ₂ % PORT BOILER					
		TEMPERATURE THRUST BEARING									1	CO ₂ % STBD. BOILER					
		FORWARD H.P. ROTOR BEARING									1	OIL LEVEL MAIN SUMP					

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	WATER
1200 TO 1600	3	1200	450		8		133		64	1200	1200	240	METER AT NOON	12120760
	4	1200	450		10		133		45	1200	1200	240	METER PREVIOUS NOON	12115480
1600 TO 2000	3	1200	450		8	132	110		64	900	900	240	CONSUMED BY METER	5300
	4	1200	450		10	130	110		45	900	900	240	ON HAND AT START OF DAY	16,454
2000 TO 2400	3	1200	450		8	132	110		64	1250	1250	240	RECEIVED DURING DAY	— 0 —
	4	1200	450		10	130	110		45	1250	1250	240	EXPENDED DURING DAY	120
2400 TO 0400	3	1200	450		8	133	110		64	1050	1050	240	REMAINING ON BOARD	16,334
	4	1200	450		10	132	110		45	1000	1000	240	ON HAND AT START OF DAY	1092
0400 TO 0800	3	1200	450		8	133	110		64	1150	1150	240	ON HAND AT START OF DAY	1092
	4	1200	450		10	132	110		45	1000	1000	240	EVAPORATED OR RECEIVED	178
0800 TO 1200	3	1200	450		8	132	110		64	1100	1100	240	ON HAND	1150
	4	1200	450		10	132	110		45	1100	1100	240	CONSUMED	120
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
														4
											SUMMARY			
											RUNNING TIME		PERCENT OF SLIP	
											DETENTION TIME		BBL FUEL/MI	
											TOTAL REVOLUTIONS		WIND DIRECTION	
											AVERAGE R.P.M.		STATE OF SEA	
											TOTAL MILES BY ENGINE		STATE OF WEATHER	
											TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

PORT WATER MACHINERY IN OPERATION - #3 BAR - F.P. BLOWER, ELECT. F.O. PUMP + F.O. STE. PUMP
 #3 + 4 ST. GEN. AUX. CIR + MAIN #3 COND. PUMP #3 AUX. AIR EJECTOR - F.W. PUMP, CHANGE + CLEAN
 F.O. BURNER + F.O. SUCT. STRAINER. PUMP LEAK FLAT BOLGES + SHAFT ALLEY + ENG.
 SATISFACTORY. CONSTANT BLOW #3 BAR TAKE UP ON PORT + STRD STERN GLANDS.

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

PORT RELIEF WATCH. Machinery same with No. 1 F&S pump added. No. 1 F.W. Pump
 in serv. with No. 2. No. 1 Air Compr. on stdby. Oiler replacing ruptured test
 nipple, No. 2 F.W. Pump. Cmdr. wants leak stopped in room 203 first thing tomorrow
 morning. Evap. on No. 1 ^{Boiler} Blow (const). Watching for priming, - 2 A/E. M&R working ^{on} line
 No. 1 LP Evap. Jno. Clark ^{Wiper} brother called from Gen. Hosp, L.A. Said Jno. had a serious
 accident. Didn't know how serious, but sure would not be able to report Home 3027 Tinwood L.A.
 F.W.T. - Sowards Oiler - Taitague Rfr. - ^{Elec. Brooks} Brooks WATCH ENGR'S SIGNATURE ^{Phone - ?} ~~Lawrey~~ Rfr

2000-2400 WATCH

PORT RELIEF WATCH. 2000 Furnished steam to No. 2 L.P. Evap. as per N/O and
 Magallanes lit off. "What a Mess"! Felt sure it can't be done, but am trying. Stm. Press.
 kept steady at 450*. 150* Reg. clear down - by pass wide open - gauge 100*. Mn. Air Eject.
 screwed clear down with by-pass wide open - now finally almost 150*. Mn. Gens. now 27*
 Secured HP Evap. Mata called for Elec. WTD trouble. M&R secured 2030. ^{Oiler cleared drain in} Troop Galley.
 Pumped SP down.

Bon Voyage - Good times - good sailing - friends

Oiler - Taitague FWT - Sowards Rfr - Brooks Elec - Brooks

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

START TAKING ON FRESH WATER TO #3 & DEEP AT 0030. SECURED 0150. PUMPED SHAPPEY BILGE
 FWD, AFT, P.T.S. DOWN BUT NOT DRY. REC PERMISSION TO ROLL M.V. WITH JACKING GEAR @ 0200 STARTED
 L.O. CIR. THROUGH M.V. @ 0155. STARTED L.O. PURIFIER SUPPLY TO SUMP. START TO CIRCULATE F.O.
 THROUGH #4 F.O. HTR AT 0330 OPENED DRUM VENT SUPERHTR VENTS + DRAIN.

Oiler Housh FWT Esborn Rfr. Brown

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

LIT OFF #4 BOILER @ 0420. HAD A HARD TIME KEEPING PLANT SETTLED DOWN FROM 400 TO
 0600. CONTINUED TO SURRAY STM TO #2 L.P. EVAP. CONTINUED TO KEEP 150* STATION.
 LIT OFF #4 BOILER WITH INTERMITTANT FIRES RE 5 MIN ON 10 OFF 1ST HR 10 MIN ON
 20 MIN OFF 2ND HR CHANGED TO IN 30 STD F.O. SET @ 0430 TUPPED OFF #3 & FRESH
 WATER DEEP.

LARGE F.O. METER READINGS DUE TO RC CIR. OPEN ON #4 BOILER ALL WATCH

Rfr. Queen FWT Fisher

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

Rfr. No. 4 Boiler on Line secured No. 3 T. water feed pump packing @ 1000.
 @ 1015 brought steam to throttle with permission. Steam bridge test main engines 1st + Chief present. Lit up at
 0945 main circ. in operation split plant no 3 main condenser pump. Air condenser pump. No. 4 F.O. pump. No. 2 main
 L.O. pump. Some steam in ejector. F.O. suction out to sump.

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE

CHIEF ENGR'S SIGNATURE

USNS GEN. JOHN P. COPE VOYAGE NO. 8 FROM CAKLINE NSC TO TYPE OF VESSEL P-2 DATE 4-11/12-1960

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		220	260	265	260	240	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING		124	124	126	125
DETENTION TIME								FORWARD L. P. ROTOR BEARING		125	123	126	125
REVOLUTION COUNTER (END OF WATCH)		2458	2460	2462	2465	2467		AFT. L. P. ROTOR BEARING		123	125	122	124
TOTAL REVOLUTIONS (FOR WATCH)		1830	5250	22550	23700	21800		HOTTEST GEAR BEARING FORWARD		138	140	138	140
AVERAGE RPM		90.5	90.2	86.7	91.2	90.9		HOTTEST GEAR BEARING AFT		130	130	135	135
F.O. METER (END OF WATCH)	1212	1212	1212	1213	1213	1213		AUX. COND. CONDENSATE	90/14	49/44	93/93	98/98	99/99
F.O. CONSUMED	1540	3050	2970	2980	2970	2740		1ST STAGE FEED WATER HEATER		160	160	160	160
MACHINERY PARTICULARS	THROTTLE	415	420	420	420	420		D. C. FEED WATER HEATER		234	236	237	236
	H.P. AHEAD	415	420	420	420	420		3RD STAGE FEED WATER HEATER		6.43	6.43	6.41	
	L.P. AHEAD	17	17	15.5	16.5	16		F.O. TO BURNERS		135	155	135	140
	VACUUM	29.5	29.5	29.5	29.5	29.5		F. O. BACK PRESSURE					
	L.O. TO TURBINES	13	13	12.5	12.7	13		AIR TO FURNACE	6/8	6/7	6/7	7.5/8.5	5.3/6.3
	AUX. STEAM	150	150	150	150	150		UPTAKE	6/6			7.0/6.0	
	BACK PRESSURE	9	9	9	9	9		MAIN STEAM	465		450	465	450
	GLAND STEAM	1.0	1	6.5	0.5	.5		SUPER HEAT	730	720	720	725	725
	H.P. BLEEDER	65	75	70	64	60		F.O. TO BURNERS	180	180		180	180
	L.P. BLEEDER	9	9	9	9	9		F.O. TEMP. IN SETTLING TANKS	106/104	110/115	95/105	106/104	110/115
PRESSURES	L.P. BLEEDER	14"	14"	14	14"	14"	BOILER PARTICULARS	PORT BOILER UPTAKE	325	325	325	335	300
	STEAM AT THROTTLE	725	720	720	730	725		STBD. BOILER UPTAKE	335	350	345	345	310
	L.P. EXHAUST	117	91	90	225	92		ENGINE ROOM TEMPERATURE	74	74	79	80	80
	CONDENSATE	84	86	86	88	88		FIRE ROOM TEMPERATURE	74	74	78	80	80
	CIRC. WATER IN	55	55	56	58	56		NOZZLES IN USE	18	18	18	18	18
	CIRC. WATER OUT	64	67	66	68	68		NO. OF BURNERS IN USE	6	6	6	6	6
	L.O. TO COOLERS	122	124	125	126	125		BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55
	L.O. FROM COOLERS	110	110	110	110	110		CO ₂ % PORT BOILER					
	TEMPERATURE THRUST BEARING	110	113	115	113	113		CO ₂ % STBD. BOILER					
	FORWARD H.P. ROTOR BEARING	120	120	121	120	120		OIL LEVEL MAIN SUMP	1'8"	1'8"	1'8"	1'8"	1'8"
TEMPERATURES							MISCELLANEOUS						

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		
1200 TO 1600	3	1200	450		9		110	132	65	1150	1150	240	METER AT NOON	12137040		ON HAND AT START OF DAY	203	
	4	1200	450		10		110	131	45	1250	1250	240	METER PREVIOUS NOON	12120750		EVAPORATED OR RECEIVED		
1600 TO 2000	3	1200	450		8		110	132	64	1200	1200	240	CONSUMED BY METER	16260		ON HAND		
	4	1200	450		10		110	130	45	1300	1300	240	ON HAND AT START OF DAY	16334		CONSUMED		
2000 TO 2400	3	1200	450		8	132	110		64	1000	1000	240	RECEIVED DURING DAY			ON HAND AT START OF DAY	2055	
	4	1200	450		10	131	108		45	1000	1000	240	EXPENDED DURING DAY			RECEIVED		
2400 TO 0400	3	1200	450		8	132	110		65	1000	1000	240	REMAINING ON BOARD			ON HAND		
	4	1200	450		10	132	110		45	1000	1000	240	ON HAND AT START OF DAY	1150		CONSUMED	1195	
0400 TO 0800	3	1200	465		8	132	110		64	1200	1200	240	EVAPORATED OR RECEIVED					
	4	1200	465		10	132	110		45	1100	1100	240	ON HAND					
0800 TO 1200	3	1200	450		9	132	110		64	1150	1150	240	CONSUMED					
	4	1200	450		10	133	112		45	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 1/3		4 1/3		4 1/3		4										
SUMMARY																		
RUNNING TIME						PERCENT OF SLIP												
DETENTION TIME						BBL FUEL/MI												
TOTAL REVOLUTIONS						WIND DIRECTION												
AVERAGE R.P.M.						STATE OF SEA												
TOTAL MILES BY ENGINE						STATE OF WEATHER												
TOTAL MILES BY OBSERVATION																		

Departure @ 1600-

1200-1600 WATCH

7 min check @ 1215 - 1236 wheel clearance - set off #3 BIR @ 1305 -
 #3 BIR on line @ 1330 - tested telegraph @ 1300 - sent special sea detail
 @ 1330 - picking gear out & stem to run engine @ 1330 - warming main
 engine @ 1335 - SBIR @ 1350 - FOM. P. 4163090 - FOM. S. 2548240 -
 CTR. P. 24556110 - CTR. S. 2548440 - Boiler on fire full back
 changed from high sea suction to low sea suction @ 1500 - Fl. suction
 outboard after - routine rounds - cond. normal.

WATCH ENGR'S SIGNATURE - E. Katsap

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES. MACHINERY IN USE AS BEFORE
 PUMPED SEETLEAS FROM #4 P.S. DEEPS. FRESH WATER SUCTION #2 STEAM PUMP
 DEPT @ 1600 SECURE #2 ELECT FW PUMP. ALSO ELECT PUMP IN FWD DECK.
 CTR. P. - 24561930 - FOM. P. - 4163790 #3 BIR ON CONT. BLOW THRU MAKE-UP COMP.
 " S. - 25490440 - FOM. S. - 2548810

2000-2400 WATCH

MAIN COMP. 41616 MUF. SUCTION #2 STD - MUF. S. - 30000 #2 PORT 30000 WATCH ENGR'S SIGNATURE - H. Rawton
 UNDERWAY 18 NOZZLES AS BEFORE MACH. IN USE AS BEFORE EXCEPT AS FOLLOWS
 Secured #4 air ejector & key condenser pump and key air ejector for cross plant operation.
 Plant singled up @ 2100, Chief Engineer in space @ 2030, Retard clock 2 min @ 2300
 Regular routine checks and inspections all conditions normal

Routine underway Steaming Watch

2400-0400 WATCH

WATCH ENGR'S SIGNATURE - D. J. Pinkett

Underway on 18 nozzles - mach. in operation as before -
 retarded clock 20 mins @ 0100 - made routine inspections of
 mach. & mach. space - cond. normal - pumped up inboard
 silt from #4 P.S. deeps - cleaned strainers - changed #2 burner -

WATCH ENGR'S SIGNATURE - E. Katsap

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES - MACH. IN OPERATION AS BEFORE. RETARD CLOCK
 20 MIN. @ 0500. ADD #9 & #10 IS COMPOUND TO #4 BIR. #3 BIR ON CONT. BLOW
 THRU MAKE-UP COMP. CHANGE & CLEAN #3 & #4 BO. BURNERS. CLEAN F.O. SUCTION STRAINER

WATCH ENGR'S SIGNATURE - H. Rawton

0800-1200 WATCH

Underway 18 NOZZ. MACH. IN OPERATION AS BEFORE EXCEPT @ 1030 Secured #2 STEAM
 fresh water pump and put #1 steam fresh water pump on line. 0800 Blow tubes, secured blowing
 tubes @ 0825. 1000 Change & cleaned burners in use changed Port F.O. Lockage strainer and cleaned
 same. Change & cleaned #3 & #4 LD strainers on oil gun. 0900 Chief Engineer in space.
 Regular rounds & inspections all conditions normal

Routine underway Steaming watch

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE - D. J. Pinkett

BOILER TESTS

#11 ALK - 5.84 - ALK

#12 ALK - 5.18 - TALK

SAL - 5.80 - SAL = 6.21 %

PHOS - 2.0 - PHOS

PH - 11 - PH

MUF. PORT = 1.33 %

MUF. STD = 1.24 %

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	246	240	240	240	240	240	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	128	126	124	128	128
DETENTION TIME								FORWARD L. P. ROTOR BEARING	123	125	127	125	127
REVOLUTION COUNTER (END OF WATCH)	2469	2471	2474	2476	2478	2480		AFT. L.P. ROTOR BEARING	123	125	123	123	124
TOTAL REVOLUTIONS (FOR WATCH)	21925	21830	22190	22270	21800	22250		HOTTEST GEAR BEARING FORWARD	140	140	141	138	140
AVERAGE RPM	91.3	91.0	92.4	92.8	90.8	92.7		HOTTEST GEAR BEARING AFT	135	135	136	134	135
F.O. METER (END OF WATCH)	1212	1214	1214	1214	1215	1215		AUX. COND. CONDENSATE	98	98	99	100	94
F.O. CONSUMED	2740	2750	2700	2730	2740	2700		1ST STAGE FEED WATER HEATER	162	162	165	164	163
MACHINERY PARTICULARS	PRESSURES	THROTTLE	420	420	420	420		D. C. FEED WATER HEATER	236	236	237	234	240
		H.P. AHEAD	420	420	420	420		3RD STAGE FEED WATER HEATER	0.41	0.41	0.41	0.41	0.43
		L.P. AHEAD	15.5	15.5	16.5	16.5		F.O. TO BURNERS	135	130	125	130	125
		VACUUM	29.5	29.5	29.5	29.5		F.O. BACK PRESSURE					
		L.O. TO TURBINES	12.5	12.5	12.5	12.5		AIR TO FURNACE	5.0	5.0	5.0	5.0	5.0
		AUX. STEAM	150	150	150	150		UPTAKE					
		BACK PRESSURE	9	9	9	9		MAIN STEAM	450	450	450	450	450
		GLAND STEAM	0.5	0.5	0.5	0.5		SUPER HEAT	725	720	720	725	735
		H.P. BLEEDER	80	75	75	65		F.O. TO BURNERS	180	180	180	180	180
		I.P. BLEEDER	9	9	9	9		F.O. TEMP. IN SETTLING TANKS	102	104	105	104	100
MACHINERY PARTICULARS	TEMPERATURES	L.P. BLEEDER	14"	14"	14"	14"	BOILER PARTICULARS	PORT BOILER UPTAKE	300	300	305	310	305
		STEAM AT THROTTLE	725	725	720	720		STBD. BOILER UPTAKE	300	305	305	315	305
		L.P. EXHAUST	225	92	92	220		ENGINE ROOM TEMPERATURE	77	76	78	78	78
		CONDENSATE	88	88	92	88		FIRE ROOM TEMPERATURE	77	76	78	78	78
		CIRC. WATER IN	60	58	60	58		NOZZLES IN USE	18	18	18	18	18
		CIRC. WATER OUT	70	70	72	68		NO. OF BURNERS IN USE	6	6	6	6	6
		L.O. TO COOLERS	124	126	126	126		BURNER TIP SIZE	51	51	51	51	51
		L.O. FROM COOLERS	108	110	110	110		CO2 % PORT BOILER					
		TEMPERATURE THRUST BEARING	110	110	112	113		CO2 % STBD. BOILER					
		FORWARD H.P. ROTOR BEARING	122	120	120	118		OIL LEVEL MAIN SUMP	1'7"	1'8"	1'8"	1'8"	1'8"

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	
1200 TO 1600	3	1200	450		8	132	110		64	1250	1250	240	METER AT NOON	12153400	ON HAND AT START OF DAY	
	4	1200	450		10	132	112		45	1150	1150	240	METER PREVIOUS NOON	12137040	EVAPORATED OR RECEIVED	
1600 TO 2000	3	1200	450		8	132	110		64	1250	1250	240	CONSUMED BY METER	16360	ON HAND	
	4	1200	450		10	132	112		45	1150	1150	240	ON HAND AT START OF DAY		CONSUMED	
2000 TO 2400	3	1200	450		8	132	110		64	1250	1250	240	RECEIVED DURING DAY		ON HAND AT START OF DAY	
	4	1200	450		10	132	112		45	1150	1150	240	EXPENDED DURING DAY		RECEIVED	
2400 TO 0400	3	1200	450		8	132	110		64	1250	1250	240	REMAINING ON BOARD		ON HAND	
	4	1200	450		10	132	112		45	1150	1150	240	ON HAND AT START OF DAY		CONSUMED	
0400 TO 0800	3	1200	450		8	132	110		64	1250	1250	240	DOMESTIC WATER			
	4	1200	450		10	132	112		45	1150	1150	240	CONSUMED			
0800 TO 1200	3	1200	450		8	132	110		64	1250	1250	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)			
	4	1200	450		10	132	112		45	1150	1150	240	L.O. CENTRIFUGE - HOURS OPERATED			
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400
													4	4	4	4
													SUMMARY			
													RUNNING TIME		PERCENT OF SLIP	
													DETENTION TIME		BBL FUEL/MI	
													TOTAL REVOLUTIONS		WIND DIRECTION	
													AVERAGE R.P.M.		STATE OF SEA	
													TOTAL MILES BY ENGINE		STATE OF WEATHER	
													TOTAL MILES BY OBSERVATION			

1200-1600 WATCH

1600-2000 WATCH

" - P = 1.2466

Reactor underway steaming watch

2400-0400 WATCH

0400-0800 WATCH

$$*2 \text{ MUF } \text{P}_{\text{3000}} = 1.24 \text{ GHz} - \text{3000 on P}_{\text{3000}}$$

" " STED = 1.24 GG

0800-1200 WATCH

Rooting Underway Steaming Watch
CHIEF ENGINEER

CHIEF ENGINEER

B.P. W. TEST

Part 2 of 2

100-90

$$A'N = 1051 = A'K = 525$$

File # 14-02 - T-244-810

SAL-8.12 - SAL-8.13

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100

SECRET - SURPRISE 200

ONR 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	BOILER WATER	LUBE OIL			
1200 TO 1600	3	1200	450		8	133	110	512	64	1150	1250	240	METER AT NOON	12177730	ON HAND AT START OF DAY			
													METER PREVIOUS NOON	12153400	EVAPORATED OR RECEIVED			
													CONSUMED BY METER	24330	ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
													RECEIVED DURING DAY		ON HAND AT START OF DAY			
													EXPENDED DURING DAY		RECEIVED			
													REMAINING ON BOARD		ON HAND			
1600 TO 2000	4	1200	450		10	135	115	512	45	1300	1300	290	ON HAND AT START OF DAY		CONSUMED			
	3	1200	450		8	132	110		64	1100	1100	240	EVAPORATED OR RECEIVED					
													ON HAND					
	4	1200	450		10	132	115		45	1050	1050	240	CONSUMED					
2000 TO 2400	3	1200	450		8	132	110		64	1150	1150	240	ON HAND AT START OF DAY					
													EVAPORATED OR RECEIVED					
													ON HAND					
	4	1200	450		10	134	115		45	1150	1150	240	CONSUMED					
2400 TO 0400	3	1200	450		8	133	110		64	1150	1150	240	ON HAND AT START OF DAY					
													EVAPORATED OR RECEIVED					
													ON HAND					
	4	1200	450		10	135	110		45	1000	1000	240	CONSUMED					
0400 TO 0800	3	1200	450		8	132	110		64	1250	1250	240	ON HAND AT START OF DAY					
													EVAPORATED OR RECEIVED					
													ON HAND					
	4	1200	450		10	132	110		45	1250	1250	240	CONSUMED					
0800 TO 1200	3	1200	450		8	132	110		64	1150	1150	240	ON HAND AT START OF DAY					
													EVAPORATED OR RECEIVED					
													ON HAND					
	4	1200	450		10	135	110		45	1150	1150	240	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 1/3	1 1/3	4 1/3	

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

London ship dull for troops only 1515 to 1523.

1200-1600 WATCH

Heated Telegraph & run Throttle @ 1200 - mach. in operation as follows: L.O. purifier, main L.O. pumps, main circ., #3 main cond pump, #3#4 blowers, #3#4 Blrs, #3#4 F.O. serv. pumps, #3#4 main fd. wtr pumps, #4 wash water pump, air compressor, #3#4 gen., main engine - cleaned L.O. and F.O. strainers - cleaned burners - pumped up settlers from #4 PLS Centrifuge deers - made routine inspections of mach. and mach. spaces - cond. normal - pumped bilges.

WATCH ENGR'S SIGNATURE

E. Katsopis

1600-2000 WATCH

UNDERWAY ON 15 NOZZLES MACH. IN OPERATION AS BEFORE. BLOW TUBES IN PORT & STEW BLER. CLEAN #3 F.O. BURNER. CLEAN F.O. SUCT. STRAINER. #4 F.O. BURNER ON CONT. BOTTOM BLOW. SAL. 12.5. SET OPEN W.T. DOORS.

MUF P: 1.24

MUF S: 1.23

WATCH ENGR'S SIGNATURE

J. Katsopis

2000-2400 WATCH

UNDERWAY 18 NOZZLES MACH. IN OPERATION AS BEFORE. L.O. purifier. Cleaned and put back on line. Regular routine checks & inspections all conditions normal and satisfactory. Changed to outbl. Settler at 2315.

Routine Underway Steaming Watch

WATCH ENGR'S SIGNATURE

J. Katsopis

2400-0400 WATCH

UNDERWAY ON 18 NOZZLES MACH. IN OPERATION AS BEFORE. Made routine inspections of mach. & mach. spaces. Cond. normal - retarded bilge. #3 main cond. pump. Pumped up settlers from #4 PLS Centrifuge deers - cleaned L.O. and F.O. strainers & burners - pumped bilges.

WATCH ENGR'S SIGNATURE

J. Katsopis

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES MACH. IN OPERATION AS BEFORE. CHANGE & CLEAN #3#4 F.O. BURNER. CLEAN F.O. SUCT. STRAINER. RETARD CLOCK 20 MIN @ 0500. SOURCE AT 0502. CLOSING COND. SET OPEN W.T. DOORS. PORT BLR. ON CONT. BOTTOM BLOW. TANK MAKING COMP. MUF #2 PORT = 1.24 G/G. MUF #2 STEW = 1.24 G/G.

WATCH ENGR'S SIGNATURE

J. Katsopis

0800-1200 WATCH

UNDERWAY 18 NOZZLES MACH. IN OPERATION AS BEFORE. Made Regular Routine rounds, tests & inspections all conditions normal & satisfactory. Bilges & Sett. good. Stilld. Deers on Cont. Bottom Blow. Change to port deers. Compounds to port deers.

Regular Routine underway Steaming Watch

WATCH ENGR'S SIGNATURE

J. Katsopis

CHIEF ENGINEER

BOILER WATER READINGS

SIB'D	PORT
HOURS 133	HOURS 117
AKL 7.59	AKL 4.47 4.67
T-AKL 10.51	T-AKL 6.29 6.42
SAL. 11.60	SAL. 8.25
PHOS. 2.0	PHOS. 1.5
R.ph 10.5	R.ph 10.5

CHIEF ENGR'S SIGNATURE

J. Katsopis

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	132	130	130	132	130
DETENTION TIME								FORWARD L. P. ROTOR BEARING	128	128	128	128	128
REVOLUTION COUNTER (END OF WATCH)	2496 3320	2499 0560	2501 3330	2503 5560	2505 7880	2508 0160	TEMPERATURES (CONT'D)	AFT. L. P. ROTOR BEARING	124	124	125	125	124
TOTAL REVOLUTIONS (FOR WATCH)	22280	22240	22570	22430	22120	22490		HOTTEST GEAR BEARING FORWARD	142	142	145	146	144
AVERAGE RPM	92.6	92.7	94.0	93.5	92.2	93.7	PRESSURES	HOTTEST GEAR BEARING AFT	136	136	136	136	136
F.O. METER (END OF WATCH)	1217 3400	1217 6230	1217 9000	1218 1810	1218 4570	1219 7390		AUX. COND. CONDENSATE	100/101	100/104	96/100	100/104	102/108
F.O. CONSUMED	2830	2830	2770	2810	2780	2790	TEMPERATURES	1ST STAGE FEED WATER HEATER	162	165	165	164	165
PRESSURES	THROTTLE	420	420	420	420	420		D. C. FEED WATER HEATER	238	238	238	238	237
	H.P. AHEAD	420	420	420	420	420	PRESSURES	3RD STAGE FEED WATER HEATER	0.41	0.41	.41	0.41	0.41
	L.P. AHEAD	20	20	20	19	17.5		F.O. TO BURNERS	135	135	135	140	135
	VACUUM	29.5	29.5	30	30	29.5		F. O. BACK PRESSURE					
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5		AIR TO FURNACE	5.0/5.0	5.0/5.4	5.0/4.5	5.0/5.5	5.0/5.2
	AUX. STEAM	150	145	145	145	150		UPTAKE					
	BACK PRESSURE	9	9	9	9	9		MAIN STEAM	450	450	450	450	450
	GLAND STEAM	1.5	1.3	1.2	1.5	1.0		SUPER HEAT	725	730	720	720	725
	H.P. BLEEDER	60	60	75	75	65		F.O. TO BURNERS	170	180	180	175	180
	I.P. BLEEDER	9	9	9	9	9		F.O. TEMP. IN SETTLING TANKS	75/90	108/102	100/102	115/106	106/106
TEMPERATURES	L.P. BLEEDER	13"	13"	13"	13"	13"	PRESSURES	PORT BOILER UPTAKE	305	305	305	305	305
	STEAM AT THROTTLE	725	730	720	730	725		STBD. BOILER UPTAKE	310	310	310	310	310
	L.P. EXHAUST	97	235	96	47	230	TEMPERATURES	ENGINE ROOM TEMPERATURE	83	84	83	84	85
	CONDENSATE	94	92	93	94	94		FIRE ROOM TEMPERATURE	83	84	83	84	85
	CIRC. WATER IN	64	64	62	65	64	TEMPERATURES	NOZZLES IN USE	18	18	18	18	18
	CIRC. WATER OUT	75	74	74	75	74		NO. OF BURNERS IN USE	6	6	6	6	6
	L.O. TO COOLERS	126	126	126	126	126	TEMPERATURES	BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55
	L.O. FROM COOLERS	110	110	110	110	110		CO ₂ % PORT BOILER					
	TEMPERATURE THRUST BEARING	112	112	113	112	113	TEMPERATURES	CO ₂ % STBD. BOILER					
	FORWARD H.P. ROTOR BEARING	122	123	120	123	123		OIL LEVEL MAIN SUMP	1'8"	1'8"	1'9"	1'8"	1'10"

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		DOMESTIC WATER		BOILER WATER		LUBE OIL			
													METER AT NOON	METER PREVIOUS NOON	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	450		8	133	110		64	1250	1250	240		12187380								
	4	1200	450		10	136	119		44	1200	1200	240		12177730								
	3	1200	450		8	132	110		64	1200	1200	240		9650								
1600 TO 2000	4	1200	450		10	136	117		45	1200	1200	240										
	3	1200	450		8	132	110		64	1100	1100	240										
2000 TO 2400	4	1200	450		10	135	117		45	1100	1100	240										
	3	1200	450		8	133	110		64	1100	1100	240										
2400 TO 0400	4	1200	450		10	136	118		44	1050	1050	240										
	3	1200	450		8	132	110		64	1250	1250	240										
0400 TO 0800	4	1200	450		10	134	118		45	1250	1250	240										
	3	1200	450		8	132	110		64	1250	1250	240										
0800 TO 1200	4	1200	450		10	137	118		45	1250	1250	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	4

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

REMARKS

1200-1600 WATCH

Heated telegraph & operated main throttle - mach. in operation as follows: #3#4 Blrs, #3#4 blowers, #3#4 f.o. serv. pumps, #3#4 main fd. wtr. pumps, main circ., #3 main cond. pumps, main l.o. pump, L.C. purifier, air comp, #3#4 gen., main engine, #3 wash wtr. pump, made routine inspections of mach. & mach. spaces - cond. normal - cleaned L.O. & F.O. strainers - cleaned burners - pumped bilges - pumped settlers from #4 P&S centerline deeps. WATCH ENGR'S SIGNATURE: E. Rotasep

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES - MACH. IN OPERATION AS BEFORE BLOW TUBES IN PORT & STBD BLRS. CHANGE & CLEAN #3 F.O. BURNER CLEAN F.O. SUCT. STRAINER. SUNSET @ 1832. SET SAILING CONDITIONS CLOSE W.T. DOORS. RENEW ^{YOKE (H)} SET ON #4 SUCT. BLOWER STEAM VALVE STBD. BLR. CONT. BOTTOM BLOW ON #3 BLR. M.U.F. #2 PORT = .83% SUCT. ON D.B. M.U.F. #2 STBD = .41%

WATCH ENGR'S SIGNATURE: J. Karsten

2000-2400 WATCH

Underway as before on 18 nozzles machinery in operation as before. M.U.F. #2 on STBD valve - Changed to outboard settler. Change & cleaned burners in use. Changed & cleaned PORT F.O. discharge strainer. Test STBD FC pump, STBD Feed pump, STBD FC pump Test satisfactory. Regular rounds routine checks. Inspected engine space & machinery & bilges and all conditions are safe & normal.

WATCH ENGR'S SIGNATURE: J. Karsten

2400-0400 WATCH

Underway on 18 nozzles - machinery in operation as before - made routine inspections of machinery and mach. spaces - conditions normal - sounded and pumped settlers - soundings as follows: STBD OTBD 15'6", INBD 9'7" - PORT OTBD 14'8", INBD 22'7" @ 0200 - pumping from #3 P&S DB thr. - cleaned L.O. and F.O. strainers - cleaned burners - pumped bilges.

WATCH ENGR'S SIGNATURE: E. Rotasep

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES. MACH. IN USE AS BEFORE. CHANGE & CLEAN #4 F.O. BURNER. CLEAN F.O. SUCT. STRAINER. ADD #9-15 & MAGNOX TO STBD. BLR. PORT BLR. ON CONT. BOTTOM THRU. M.U.F. #2. SUNRISE @ 0550. SET SAILING CONDS. OPEN W.T. DOORS.

M.U.F. - PORT #2 = .83% SUCT. ON #2 PORT.

WATCH ENGR'S SIGNATURE: J. Karsten

0800-1200 WATCH

Underway on 18 nozzles machinery on the line as before. 0800 to 0820 Blow tubes on #1's boilers. Sealed #2 main Air Compress and started #1 (at 0830 so that Electricians could install new unloading controller. Shifted to inboard settler @ 1100. Made test, inspections rounds, all conditions safe, normal & satisfactory. Bilges at safe level. M.U.F. #2. Line up to port boiler for continuous blow down.

Positive underway steaming watch
CHIEF ENGINEER

WATCH ENGR'S SIGNATURE: J. Karsten

BOILER WATER READINGS

STBD DP-257 PORT F-142
W-2580 W-2657

E.C.S. HOURS

AKL 8.76 AKL 5.84

T-EL 12.85 T-AKL 7.59

SAL. 4.14 SAL. 7.46

PEOS. 50 PEOS. 30

R.ph 11 R.ph 10.5

SULPHITE=35.10

CHIEF ENGR'S SIGNATURE: J. Karsten