

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	132	130	130	130	130
DETENTION TIME								FORWARD L. P. ROTOR BEARING	128	128	129	128	125
REVOLUTION COUNTER (END OF WATCH)	2514 2470	2512 2460	2514 2460	2517 2460	2519 2460	2521 2460	TEMPERATURES (CONT'D)	AFT. L. P. ROTOR BEARING	125	124	126	125	124
TOTAL REVOLUTIONS (FOR WATCH)	27310	22190	24360	24330	23980	21340		HOTTEST GEAR BEARING FORWARD	142	142	147	142	145
AVERAGE RPM	430	925	937	936	922	999	MACHINERY PARTICULARS (CONT'D)	HOTTEST GEAR BEARING AFT	136	136	137	137	135
F.O. METER (END OF WATCH)	1219 2460	1219 3130	1219 6150	1219 7170	1220 2230	1220 4800		AUX. COND. CONDENSATE	100	100	100	104	104
F.O. CONSUMED	2880	2870	3020	3010	3060	2570	TEMPERATURES	1ST STAGE FEED WATER HEATER	165	165	165	165	165
PRESSURES	THROTTLE	420	420	420	420	420		D. C. FEED WATER HEATER	236	236	236	237	236
	H.P. AHEAD	420	420	420	420	420	PRESSURES	3RD STAGE FEED WATER HEATER	0.41	0.41	0.41	0.41	0.41
	L.P. AHEAD	19	19.5	19	19	18.5		F.O. TO BURNERS	140	140	135	140	140
	VACUUM	29.5	29.5	29.5	29.5	29.5		F. O. BACK PRESSURE	5.0	5.0	5.0	5.0	5.0
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5		AIR TO FURNACE	5.0	5.0	5.0	5.0	5.0
	AUX. STEAM	150	145	145	150	145		UPTAKE					
	BACK PRESSURE	9	9	9	9	9		MAIN STEAM	450	450	450	450	450
	GLAND STEAM	1.0	1.0	1	1.2	1.0		SUPER HEAT	720	725	720	720	720
	H.P. BLEEDER	75	77	60	65	75		F.O. TO BURNERS					
	I.P. BLEEDER	9	9	9	9	9		F.O. TEMP. IN SETTLING TANKS	110	108	106	110	102
TEMPERATURES	L.P. BLEEDER	13"	13"	13"	13"	13"	TEMPERATURES	PORT BOILER UPTAKE	310	305	310	305	305
	STEAM AT THROTTLE	720	725	720	720	720		STBD. BOILER UPTAKE	305	310	310	305	310
	L.P. EXHAUST	94	238	99	90	230	MISCELLANEOUS	ENGINE ROOM TEMPERATURE	87	87	84	81	81
	CONDENSATE	95	96	96	94	94		FIRE ROOM TEMPERATURE	87	87	94	81	81
	CIRC. WATER IN	66	65	66	67	65		NOZZLES IN USE	18	18	18	18	18
	CIRC. WATER OUT	76	76	76	76	79		NO. OF BURNERS IN USE	6	6	6	6	6
	L.O. TO COOLERS	126	126	128	126	128		BURNER TIP SIZE	5/55	5/55	5/55	5/55	5/55
	L.O. FROM COOLERS	110	110	110	110	110		CO ₂ % PORT BOILER					
	TEMPERATURE THRUST BEARING	112	113	113	113	113		CO ₂ % STBD. BOILER					
	FORWARD H.P. ROTOR BEARING	123	120	123	123	120		OIL LEVEL MAIN SUMP	1'8"	1'10"	1'10"	1'10"	1'10"

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	3	1200	450		8	132	110		64	1200	1200	240	METER AT NOON	1220480	ON HAND AT START OF DAY				
	4	1200	450		10	137	119		44	1150	1150	240	METER PREVIOUS NOON	12187380	EVAPORATED OR RECEIVED				
1600 TO 2000	3	1200	450		8	132	110		64	1200	1200	240	CONSUMED BY METER	17420	ON HAND				
	4	1200	450		10	135	118		44	1200	1200	240	ON HAND AT START OF DAY		CONSUMED				
2000 TO 2400	3	1200	450		8	132	110		64	1100	1100	240	RECEIVED DURING DAY		ON HAND AT START OF DAY				
	4	1200	450		10	137	118		45	1100	1100	240	EXPENDED DURING DAY		RECEIVED				
2400 TO 0400	3	1200	450		8	133	110		64	1100	1100	240	REMAINING ON BOARD		ON HAND				
	4	1200	450		10	137	118		45	1050	1050	240	ON HAND AT START OF DAY		CONSUMED				
0400 TO 0800	3	1200	450		8	130	108		64	1250	1250	240	EVAPORATED OR RECEIVED						
	4	1200	450		10	135	118		44	1250	1250	240	ON HAND						
0800 TO 1200	3	1200	450		8	133	110		64	1250	1250	240	CONSUMED						
	4	1200	450		10	138	119		45	1250	1250	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 1/3	4 1/3	4
SUMMARY														RUNNING TIME		PERCENT OF SLIP			
														DETENTION TIME		BBL FUEL/MI			
														TOTAL REVOLUTIONS		WIND DIRECTION			
														AVERAGE R.P.M.		STATE OF SEA			
														TOTAL MILES BY ENGINE		STATE OF WEATHER			
														TOTAL MILES BY OBSERVATION					

REMARKS

1200-1600 WATCH

Tested telegraph and main throttle - operating as before. 18 nozzles - machine in operation as follows: #3 #4 Blw, #3 #4 blow, #3 #4 f.c. pump, #3 #4 main f.c. pump, air pump, main bilge pump, #3 main cond. pump, #3 wash up pump, main fire, #3 #4 gen, main engine, L.O. pump - made routine inspection of mach. & mach. space - cond. normal - pumped settlers from #3 P&S DB - pumped bilge - cleaned strainer & burner. WATCH ENGR'S SIGNATURE: E. Rotasep

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES. MACHINERY IN OPERATION AS BEFORE. BLOW TUBES IN PORT & STBD. BARS. CHANGE M.V. SUCT. TO #2 STBD @ 1630. ADD COMPOUND TO #2 BLR. 113 BLR. ON CONT. BOTTOM BLOW THRU MARK-UP EVAP. SUNSET @ 1901. SET CASINE COND. CLOSE W.T. DOORS. CHANGE CLEAN #4 BURNER CLEAN F.O. SUCT. STRAINER. M.V. #2 STBD = .41 9/16 SUCT ON STBD. WATCH ENGR'S SIGNATURE: E. Rotasep

2000-2400 WATCH

UNDERWAY 18 NOZZLES. MACHINERY AS BEFORE. Regular routine tests & inspections. M.V. Evap. on continuous blow from Starboard boiler. Changed & cleaned burners in use & Port F.O. Discharge strainer. Bilges at safe level. Retarded clocks at 2300, 20 min. shifted to outboard F.O. suction of #215. All conditions safe & normal. WATCH ENGR'S SIGNATURE: E. Rotasep

2400-0400 WATCH

Routine underway steaming watch. UNDERWAY AT 18 NOZZLES - retarded clock 20 min. @ 0100 - machine in operation as before - made routine inspection of mach. & mach. space - conditions normal - cleaned L.O. F.O. strainer - changed burners - pumped settlers from #3 P&S DB then - pumped bilge. WATCH ENGR'S SIGNATURE: D. L. Puckett

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES. MACH. IN OPERATION AS BEFORE. CHANGES & CLEAN #3 #4 F.O. BURNERS. CLEAN F.O. SUCT. STRAINER. RETARD CLOCK 20 MIN @ 0500. START CONT. BOTTOM BLOW THRU M.V. EVAP. ON PORT BAR. ADD #1 & #5 COMPOUND TO STBD. BLR. WATCH ENGR'S SIGNATURE: E. Rotasep

0800-1200 WATCH

UNDERWAY 18 NOZZLES. MACHINERY AS BEFORE. 0800-0820 Blow Tubes 0830 Secured Aft Air Compressor so Elect. can work on same, using fore air compress. 0925 shifted to inboard F.O. Settler. @ 1015 slowed 80 RPM, with permission from bridge, so as to Repack & Renew Starbd. feed pump plunger. Stbdy Feed pump in operation, completed repairs & put pump on line @ 1028. With permission from bridge resumed speed at 1034. Made routine rounds, tests & inspections. Secured M.V. Evap while working on pump. Bilge at safe level, all conditions above, & safe. Routine Steaming Watch. CHIEF ENGINEER WATCH ENGR'S SIGNATURE: D. L. Puckett

BOILER WATER READINGS

STB'D	PORT
HOURS F 821	HOURS F - 146
W-2604	W-2631
AKL 8:12	AKL 8:18
T-AKL 12.85	T-AKL 13.43
SAL. 4.12	SAL. 9.94
PHOS. 50	PHOS. 50
R.ph	R.ph

CHIEF ENGR'S SIGNATURE: D. L. Puckett

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		64	1150	1150	240	METER AT NOON	12222730	ON HAND AT START OF DAY			
													METER PREVIOUS NOON	12204800	EVAPORATED OR RECEIVED			
													CONSUMED BY METER	17930	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		8	132	110		64	1200	1200	240	ON HAND AT START OF DAY		CONSUMED			
													EVAPORATED OR RECEIVED					
													ON HAND					
													CONSUMED					
2000 TO 2400	4	1200	450		10	135	118		44	1100	1100	240	ON HAND AT START OF DAY					
	3	1200	450		8	132	110		64	1100	1100	240	EVAPORATED OR RECEIVED					
													ON HAND					
													CONSUMED					
2400 TO 0400	4	1200	450		10	135	118		45	1100	1100	240	ON HAND AT START OF DAY					
	3	1200	450		8	133	110		64	1100	1100	240	EVAPORATED OR RECEIVED					
													ON HAND					
	4	1200	450		10	137	116		45	1050	1050	240	CONSUMED					
0400 TO 0800	3	1200	450		8	132	108		64	1200	1200	240	ON HAND AT START OF DAY					
													EVAPORATED OR RECEIVED					
	4	1200	450		10	132	116		44	1200	1200	240	ON HAND					
0800 TO 1200	3	1200	450		8	132	110		64	1150	1150	240	CONSUMED					
													ON HAND AT START OF DAY					
	4	1200	450		10	137	117		45	1150	1150	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 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	

Pumped settlers from #3 & DB.

Settlers @ 1400 - PI 19'7" - PO 12'1"

REMARKS

1200-1600 WATCH

Underway as before on 18 nozzles - mach in operation as follows: #3#4 Blrs, #3#4 blowers, #3#4 f.o. water pumps, #3#4 min. f.o. water pumps, min. L.C. pump, f.o. purifier, #3 min. cond. pump, min. cond. air comp, #3#4 gen, min. engine, #4 wash. wtr pump, made routine inspections of mach & mach spaces - cond. norm. - complied with COMSTS 4700.7 - work on #2 fire pump completed and tested @ 125# and lined up.

WATCH ENGR'S SIGNATURE

E. Ratasep

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES MACHINERY IN USE AS BEFORE. PUMP TUBES IN PROTECTED BLOS. CHANGE & CLEAN #4 F.O. BURNER. CLEAN F.O. SUCT STRAINER. FILL PORT & STBD SETTLEERS. WORK ON SCOT BLOWER STBD BLR #5

MUF #2 STBD = .415/s D.C. HEATER = .416/s

MUF #2 PORT = .415/s

WATCH ENGR'S SIGNATURE

A. Kaita

2000-2400 WATCH

UNDERWAY 18 NOZZ 1780 machinery as before. Changed & checked burners & Port discharge strainers, jacked over idle pumps. made routine rounds, tests & inspections. Retarded clock 20 min. at 2300. Bilges at safe level. All conditions normal. Shifted F.O. Section Strainers to inboard position

Routine Steaming Watch

2400-0400 WATCH

WATCH ENGR'S SIGNATURE

D. Buckett

Underway @ 18 nozzles - mach in operation as before - made routine inspections of mach & mach spaces - cond. normal - held F.O. B-16 from 0100 to 0130 - retarded clock 20 min. @ 0100 - pumped settlers from #3 & DB - pumped bilges.

WATCH ENGR'S SIGNATURE

E. Ratasep

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES MACH. IN OPERATION AS BEFORE. CHANGE & CLEAN #3#4 F.O. BURNERS. CLEAN F.O. SUCT STRAINER. RETARD CLOCK 20 MIN. @ 0500. COARSE @ 0500 OPEN V.T. DOORS. HELD F.O. B-16 FROM 0100 TO 0130. WORK ON #5 STBD SUCT BLOWER. #4 BLR ON BOT. CONT. BLOW THRU MAKE-UP BLR. ATMS. ON TNS = .41 5/6 ADD COMPOUND TO PORT & STBD BLRS.

#2 1st M.U.F. = .83 4/5

#2 2nd M.U.F. = .83 4/5

WATCH ENGR'S SIGNATURE

A. Kaita

0800-1200 WATCH

Underway 18 NOZZLES MACHINERY AS BEFORE. 0800-0825 Blew Tubes 0830-0900 Held F.O. B-16 - Repacking #1 Steam FW pump. Tested fire pump and interest results in work back. Tests satisfactory. pumped bilges. Routine Rounds tests & inspections. All conditions normal and satisfactory. Chief Engineer in space 0810-0920. Fresh water suction on Fore Peak at 1135

Steaming Watch Routine

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE

D. Buckett

BOILER WATER READINGS

STB'D	PORT
HOURS # - 905	HOURS # - 190
W-2625	W-2725
AKL 12.85	AKL 8.76
T-AKL 18.10	T-AKL 12.85
SAL. 7.02	SAL. 6.21
PHOS. 60	PHOS. 40
R.ph	R.ph

CHIEF ENGR'S SIGNATURE

A. Kaita

		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)		TEMPERATURES (CONT'D)		AFT. H. P. ROTOR BEARING		132	130	130	132	130	130
DETENTION TIME												FORWARD L. P. ROTOR BEARING		128	127	129	128	127	129
REVOLUTION COUNTER (END OF WATCH)		2538 1200	2540 3400	2542 6020	2544 8510	2547 0770	2549 3190	MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		AFT. L. P. ROTOR BEARING		125	125	125	125	125	126
TOTAL REVOLUTIONS (FOR WATCH)		22310	22200	22620	22440	22260	22420					HOTTEST GEAR BEARING FORWARD		147	142	147	146	142	147
AVERAGE RPM		93.0	92.5	94.3	93.7	92.8	92.4	MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING AFT		137	136	137	138	136	137
F.O. METER (END OF WATCH)		1222 5560	1222 8450	1223 1310	1223 4166	1223 6990	1223 9840					AUX. COND. CONDENSATE		108 100	108 108	108 100	108 108	108 108	108 108
F.O. CONSUMED		2830	2890	2860	2830	2830	2850	MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		1ST STAGE FEED WATER HEATER		168	165	170	170	165	165
												D. C. FEED WATER HEATER		237	238	238	237	236	236
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		3RD STAGE FEED WATER HEATER		0.41	0.41	0.41	0.41	0.41	0.41
												F.O. TO BURNERS		135	140	140	140	145	135
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		F. O. BACK PRESSURE							
												AIR TO FURNACE		5.5 5.0	5.5 5.5	5.5 5.5	5.5 5.5	6.0 5.5	5.0 5.0
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		UPTAKE							
												MAIN STEAM		450	450	450	450	450	450
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		SUPER HEAT		720	730	730	730	740	730
												F.O. TO BURNERS		182	180	185	180	180	185
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		F.O. TEMP. IN SETTLING TANKS		95 105	108 104	108 104	108 110	108 110	108 110
												PORT BOILER UPTAKE		305	305	310	315	320	305
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		STBD. BOILER UPTAKE		310	310	315	320	325	305
												ENGINE ROOM TEMPERATURE		87	83	82	82	85	85
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		FIRE ROOM TEMPERATURE		87	83	82	85	85	85
												NOZZLES IN USE		18	18	18	18	18	18
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		NO. OF BURNERS IN USE		6	6	6	6	6	6
												BURNER TIP SIZE		51 55	51 55	51 55	51 55	51 55	51 55
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		CO ₂ % PORT BOILER							
												CO ₂ % STBD. BOILER							
								MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		OIL LEVEL MAIN SUMP		1'9"	1'10"	1'9"	1'8"	1'8"	1'8"

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	450		8	133	110		64	1150	1150	240	METER AT NOON	12235840	ON HAND AT START OF DAY	
													METER PREVIOUS NOON	12222730	EVAPORATED OR RECEIVED	
													CONSUMED BY METER	1710	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		8	130	108		64	1200	1200	240	ON HAND AT START OF DAY		CONSUMED	
													EVAPORATED OR RECEIVED			
													ON HAND			
													CONSUMED			
2000 TO 2400	4	1200	450		10	135	114		44	1150	1150	240	DOMESTIC WATER			
													ON HAND AT START OF DAY			
													EVAPORATED OR RECEIVED			
													ON HAND			
													CONSUMED			
2400 TO 0400	3	1200	450		8	132	110		64	1100	1100	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gal.)			
													L.O. CENTRIFUGE - HOURS OPERATED			
													1200 TO 1600	1600 TO 2000	2000 TO 2400	0400 TO 0800
													0800 TO 1200			
													4	4	4	4
0400 TO 0800	4	1200	450		10	137	117		45	950	950	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	
0800 TO 1200	4	1200	450		10	139	116		45	1300	1300	240	TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

Underway as before on 18 nozzles - machinery in operation as follows: Two L.O. pumps, main circ., L.O. purifier, air pump, #3 main cond. pump, #3 #4 Bldg, #3 #4 blowers, #3 #4 F.O. serv. pumps, #3 #4 main fd. wtr pumps, #4 wash wtr pump, #3 #4 gen, main engine - made routine inspections of mach & mach spaces, cond. norm. - complied with COMSTS 4700.7 - pumped bilges - fresh wtr suction on #3 @ 1200, no suction fr. forepeak - Pumped bilges down. E. Ratasep

1600-2000 WATCH

Underway on 18 nozzles. MACH IN OPERATION AS BEFORE. BLOW TUBES IN PORT & STBD BLR. CHANGE & CLEAN #3 FO PUMPER. CLEAN FO SUCT. STRAINER. STBD BLR. ON CONT. BOTT. BLOW. SUNSET @ 1817 CLOSE W.T. DOORS. PUMP BILGES TO SAFE LEVEL. WORKING ON #5 PORT BLR. SUCT. BLOWER PUMP SETTLERS.

MUF - #2 STD = 4.6 G/G

MUF - #2 PORT = 4.6 G/G

ADD PACKING TO LOWER GAUGE GLASS ON STBD BLR.

FLANGE JOINT LEAKING ON STBD BLR. GAUGE GLASS TO

BLR. LOWER GLASS

WATCH ENGR'S SIGNATURE - St. Karsten

2000-2400 WATCH

Underway 18 nozzles machinery as before. F.O. Suction outboard. F.W. Suctions 3 Port. Tapped over ill. pump. Finished Regrading water and #1 Fresh water pump system. Regular Routine rounds, tests & inspections. Bilges dry. All conditions normal & safe.

Routine underway steaming watch.

2400-0400 WATCH

Underway as before on 18 nozzles - machinery in operation as before - made routine inspections of mach & mach spaces - cond normal - fresh wtr suction on forepeak @ 0030 - pumped inboard & outboard settlers from #2 DB P&S - sounded settlers Painted 11'2", P ind 12'8", S ind 17'11", S out 10'3" - complied with COMSTS 4700.7 - pumped bilges - salinity of indicative tests high 1.24 - trouble appears to be in and out. E. Ratasep

0400-0800 WATCH

Underway on 18 nozzles MACH IN OPERATION AS BEFORE. CHANGE & CLEAN #3.4 F.O. STRAINER. CLEAN FO. SUCT. STRAINER. CONTAMINATED DRAIN TANK SHOWS 22 G/G. DUE TO COOLING WATER OPEN. CLOSE SAME. SALINITY METER BACK TO NORMAL.

#2 P MUF = .23 G/G

#2 S MUF = .23 G/G

0800-1200 WATCH

Underway 18 nozz. Machinery in operation as before put L.O. purifier back on line. MUF Evap on line from Port boiler. 0800-0827 Blew Tubes P&S boilers. Made routine rounds, tests & inspections, Pumped bilgas down, shifted to inboard settler at 1020.

Routine underway steaming watch

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE - St. Karsten

BOILER WATER READINGS

STB'D

PORT

HOURS F: 929 HOURS F: 214

W: 2652 W: 2729

AKL 5.85 AKL 12.85

T-AKL 2.92 T-AKL 6.42

SAL. 9.94 SAL. 13.67

PHOS. 40 PHOS. 40

R.ph 5 R.ph 5

Sub. 25.0 28.5

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		240	240	260	260	260	240	MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		AFT. H. P. ROTOR BEARING		132	130	130	132	132	130
DETENTION TIME												FORWARD L. P. ROTOR BEARING		129	127	128	129	127	128
REVOLUTION COUNTER (END OF WATCH)		2551	2553	2556	2558	2561	2563	MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		AFT. L. P. ROTOR BEARING		126	125	126	126	125	125
TOTAL REVOLUTIONS (FOR WATCH)		22340	22360	24230	24330	23790	22040					HOTTEST GEAR BEARING FORWARD		148	142	145	148	142	145
AVERAGE RPM		93.1	93.2	93.2	93.6	91.5	91.8	MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING AFT		138	136	135	138	136	135
F.O. METER (END OF WATCH)		1224	1224	1224	1225	1225	1225					AUX. COND. CONDENSATE		106	108	106	107	110	109
F.O. CONSUMED		2820	2810	3200	3150	3150	2950	MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		1ST STAGE FEED WATER HEATER		168	165	170	173	165	169
												D. C. FEED WATER HEATER		237	236	238	237	236	238
												3RD STAGE FEED WATER HEATER		6.41	0.41	.41	0.41	.41	.41
												F.O. TO BURNERS		140	140	145	145	145	145
												F. O. BACK PRESSURE							
												AIR TO FURNACE		6.0	6.0	5.1	5.3	5.0	4.9
												UPTAKE							
												MAIN STEAM		450	450	450	450	450	450
												SUPER HEAT		730	730	725	725	745	730
												F.O. TO BURNERS		183	180	182	182	180	185
												F.O. TEMP. IN SETTLING TANKS		105	108	110	110	110	109
												PORT BOILER UPTAKE		310	305	315	315	325	300
												STBD. BOILER UPTAKE		310	300	315	315	340	300
												ENGINE ROOM TEMPERATURE		87	87	86	88	89	86
												FIRE ROOM TEMPERATURE		87	87	86	88	89	86
												NOZZLES IN USE		18	18	18	18	18	18
												NO. OF BURNERS IN USE		6	6	6	6	6	6
												BURNER TIP SIZE		51/55	51/55	51/55	51/55	51/53	51/55
												CO ₂ % PORT BOILER							
												CO ₂ % STBD. BOILER							
												OIL LEVEL MAIN SUMP		1'4"	1'9"	1'8"	1'8"	1'8"	1'8"

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	133	110		64	1200	1200	240	METER AT NOON	12257820	ON HAND AT START OF DAY			
													METER PREVIOUS NOON	12235840	EVAPORATED OR RECEIVED			
1600 TO 2000	4	1200	450		10	139	112		44	1150	1150	240	CONSUMED BY METER	17980	ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
2000 TO 2400	3	1200	450		8	132	108		64	1200	1200	240	RECEIVED DURING DAY		ON HAND AT START OF DAY			
													EXPENDED DURING DAY		RECEIVED			
2400 TO 0400	4	1200	450		10	137	116		44	1150	1150	240	REMAINING ON BOARD		ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
0400 TO 0800	3	1200	450		8	133	110		64	1200	1200	240	EVAPORATED OR RECEIVED					
													ON HAND					
0800 TO 1200	4	1200	450		10	137	116		44	1150	1150	240	CONSUMED					
LOW PRESS. EVAPORATORS (Now of hrs. operated)(Fresh water made gals.)																		
L.O. CENTRIFUGE - HOURS OPERATED																		
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200								
4		4		4 1/3		4 1/3		4 1/3		4								
SUMMARY																		
RUNNING TIME													PERCENT OF SLIP					
DETENTION TIME													BBL FUEL/MI					
TOTAL REVOLUTIONS													WIND DIRECTION					
AVERAGE R.P.M.													STATE OF SEA					
TOTAL MILES BY ENGINE													STATE OF WEATHER					
TOTAL MILES BY OBSERVATION																		

REMARKS

1200-1600 WATCH

Underway as before on 18 nozzles - mach. in operation as follows: No. engine, #3#4 gens, #3#4 boilers, #3#4 blowers, #3#4 f.o. serv pumps, #3#4 fd wtr pumps, #4 wash wtr pump, air comp, run h.o. serv pump, #3 min cond pump - made routine inspections of mach & mach spaces - cond. normal - complied with COMSTS 4700.7 - lost suction from FOREPEAK, shifted wash wtr. over to 3 C @ 1400 - pumped settlers for #3 D.B. WATCH ENGR'S SIGNATURE - E. Ratssep

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES MACH. IN OPERATION AS BEFORE. BLOW TUBES IN PORT 1 STD BIRS. CLEAN & CHARGE #2 & 3. 2. BURNER CLEAN F.O. SUCT. STRAINER. ADD COMP. #2 & 13 & 14 MAX TO #3 BLR. BLOW CONT BOTT. BLOW ON #3 & #4 BLS. WORK ON PORT #5 SOOT BLOWER. SUNSET @ 1749 CLOSE W.T. DOORS.

MUF. #2 STBD. = .83 G/L

" #2 PORT = .83 G/L

WATCH ENGR'S SIGNATURE - H. Karsten

2000-2400 WATCH

Under way 18 nozzles, mach. as before. Secured muf & exp. on Port boiler. Added comp. to port boiler. Settable water section on 3 P/G distilling to same as per night orders. finished repacking stem end of #1 Fl pump. sounds, tests & inspections made, bilges pumped, all conditions safe & normal. Retarded clock 20 min @ 2300. Changed & checked buccers & SO. Discharge. Steaming port side.

Steaming water routine

WATCH ENGR'S SIGNATURE - D. G. Fuchitt

2400-0400 WATCH

Underway @ 18 nozzles - mach. in operation as before - made routine inspections of mach & mach spaces - cond. normal - held ECD B-17 from 0100 to 0130 - complied with COMSTS 4700.7 - pumped bilges - retarded clock 20 min @ 0100.

WATCH ENGR'S SIGNATURE - E. Ratssep

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES MACH. IN OPERATION AS BEFORE. RETARD CLOCK 20 MIN. @ 0500. HELD ECD-B-17 FROM 0500 TO 0530. CLEAN #4 F.O. BURNER. CLEAN F.O. SUCT. STRAINER. SUNRISE @ 0504 OPEN W.T. DOORS. #3 BLR ON CONT. BOTT. BLOW THRU KE-UP OVER WORK ON PORT #5 SOOT BLOWER.

MUF #2 PORT = .83 - 3/DR

" " STBD = .83 - 3/DR

WATCH ENGR'S SIGNATURE - H. Karsten

0800-1200 WATCH

Underway as before 18 nozzles. Machinery as before. Also 0818 blow tubes G&S boilers. made inspection rounds. tests & inspections. pumped bilges. Held ECD B-17 from 0830-0900. Shifted to job. F.O. settlers at 1035. All conditions normal and satisfactory.

Routine Underway steaming watch

WATCH ENGR'S SIGNATURE - D. L. G. Fuchitt

CHIEF ENGINEER

BOILER WATER READINGS

STBD	PORT
HOURS F-9.53	HOURS R-238
W-2676	W-2700
AKL 7.01	AKL 10.51
T-AKL 11.68	T-AKL 15.18
SAL. 4.97	SAL. 5.39
PHOS. 40	PHOS. 50
R.ph	R.ph 7.80 COND.

SOLANITE-37.5-

CHIEF ENGR'S SIGNATURE - D. L. G. Fuchitt

							WATCH						
							1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME							240	240	240	240	240	240	
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)							2563 9430	2567 6380	2569 4590	2572 0850	2574 2890	2576 5240	
TOTAL REVOLUTIONS (FOR WATCH)							22150	21950	22310	22240	22040	22350	
AVERAGE RPM							92.3	91.5	93.0	92.7	91.8	93.2	
F.O. METER (END OF WATCH)							1324 3660	1226 3580	1226 4360	1226 9200	1227 2090	1227 5020	
F.O. CONSUMED							2850	2880	2800	2840	2890	2930	
PRESSURES	THROTTLE	420	420	420	420	420	420						
	H.P. AHEAD	420	420	420	420	420	420						
	L.P. AHEAD	20	20	20	20	19.5	19						
	VACUUM	29"	29"	29"	29"	29"	29						
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5						
	AUX. STEAM	145	145	150	145	145	150						
	BACK PRESSURE	9	9	9	9	9	9						
	GLAND STEAM	1.5	1.0	1.0	0.5	0.5	.5						
	H.P. BLEEDER	70	75	65	70	75	65						
	I.P. BLEEDER	6	9	6	6	6	6						
L.P. BLEEDER	13"	13"	13	13"	13"	12"							
TEMPERATURES	STEAM AT THROTTLE	730	730	735	730	740	725						
	L.P. EXHAUST	104	240	102	104	240	105						
	CONDENSATE	101	98	100	102	100	100						
	CIRC. WATER IN	72	72	72	72	72	73						
	CIRC. WATER OUT	83	82	82	82	82	82						
	L.O. TO COOLERS	127	126	127	127	126	126						
	L.O. FROM COOLERS	110	110	110	110	110	110						
	TEMPERATURE THRUST BEARING	113	114	115	113	115	115						
	FORWARD H.P. ROTOR BEARING	123	120	122	123	120	123						
							WATCH						
							1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
AFT. H. P. ROTOR BEARING							132	130	130	132	130	130	
FORWARD L. P. ROTOR BEARING							129	127	125	129	127	124	
AFT. L.P. ROTOR BEARING							126	125	126	126	125	126	
HOTTEST GEAR BEARING FORWARD							145	142	145	145	142	145	
HOTTEST GEAR BEARING AFT							137	136	135	137	136	137	
AUX. COND. CONDENSATE							101 113	105 108	104 104	105 100	114 116	112 117	
1ST STAGE FEED WATER HEATER							170	170	170	170	165	170	
D. C. FEED WATER HEATER							237	236	238	238	236	238	
3RD STAGE FEED WATER HEATER							0.1	.41	.41	0.1	.41	.41	
F.O. TO BURNERS							140	140	140	140	140	145	
F. O. BACK PRESSURE													
AIR TO FURNACE							55 55	55 55	55 55	55 55	55 55	55 55	
UPTAKE													
MAIN STEAM							450	450	450	450	450	450	
SUPER HEAT							730	730	735	730	740	735	
F.O. TO BURNERS							180	180	180	180	180	180	
F.O. TEMP. IN SETTLING TANKS							105 105	108 104	104 104		108 108	108 108	
PORT BOILER UPTAKE							310	300	305	310	320	305	
STBD. BOILER UPTAKE							310	300	305	315	325	305	
ENGINE ROOM TEMPERATURE							86	85	84	84	85	85	
FIRE ROOM TEMPERATURE							86	85	84	84	85	85	
NOZZLES IN USE							18	18	18	18	18	18	
NO. OF BURNERS IN USE							6	6	6	6	6	6	
BURNER TIP SIZE							51 55	51 55	51 55	51 55	51 55	51 55	
CO ₂ % PORT BOILER													
CO ₂ % STBD. BOILER													
OIL LEVEL MAIN SUMP							1'8"	1'8"	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		DOMESTIC WATER			
1200 TO 1600	3	1200	450		8	133	110		64	1250	1250	240	METER AT NOON	12275020	ON HAND AT START OF DAY			
	4	1200	450		10	138	116		44	1200	1200	240	METER PREVIOUS NOON	12257820	EVAPORATED OR RECEIVED			
1600 TO 2000	3	1200	450		8	130	108		64	1300	1300	240	CONSUMED BY METER	17200	ON HAND			
	4	1200	450		10	135	114		44	1150	1150	240	ON HAND AT START OF DAY		CONSUMED			
2000 TO 2400	3	1200	450		8	133	110		64	1100	1100	240	RECEIVED DURING DAY		ON HAND AT START OF DAY			
	4	1200	450		10	138	116		45	1100	1100	240	EXPENDED DURING DAY		RECEIVED			
2400 TO 0400	3	1200	450		8	133	110		64	1150	1150	240	REMAINING ON BOARD		ON HAND			
	4	1200	450		10	137	116		44	1100	1100	240	ON HAND AT START OF DAY		CONSUMED			
0400 TO 0800	3	1200	450		8	130	108		64	1450	1450	240	EVAPORATED OR RECEIVED					
	4	1200	450		10	135	114		44	1350	1350	240	ON HAND					
0800 TO 1200	3	1200	450		8	133	110		64	1350	1350	240	CONSUMED					
	4	1200	450		10	139	115		45	1350	1350	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 PERCENT OF SLIP																		
DETENTION TIME BBL FUEL/MI																		
TOTAL REVOLUTIONS WIND DIRECTION																		
AVERAGE R.P.M. STATE OF SEA																		
TOTAL MILES BY ENGINE STATE OF WEATHER																		
TOTAL MILES BY OBSERVATION																		

REMARKS

1200-1600 WATCH

Underway @ 18 nozzles - mach in operation as follows:
 Main engine (main cond), main l.o. serv pump, l.o. purifier, main circ.
 #3 main cond pump, #3 #4 gen, air comp, #3 #4 Blg, #3 #4 blowers,
 #3 #4 f.o. serv pumps, #3 #4 main fd wtr pumps, #3 wash wtr
 pump - made routine inspections of mach & mach spaces - cond
 and normal - complied with COMSTS 4700.7 - pumped bilges -
 pumped settlers from #2 PS. DB.

WATCH ENGR'S SIGNATURE-

E. Ratasep

1600-2000 WATCH

MACH IN OPERATION. UNDERWAY ON 18 NOZZLES. CLEAN F.O. BURNER
 #3 #4 F.O. BURNERS. CLEAN F.O. SUCT. STRAINER. BLOW TUBES IN PORT &
 STBD BIR. PORT BIR ON CONT. BTT. BLOW TUBES IN U. FEAR. SUNSET @
 1821 CLOSE W.T. DOORS. ADD COMP. TO STBD BIR. COMPLIED WITH COMSTS 4700.7

MVE #2 PORT = .83

STBD = .83

WATCH ENGR'S SIGNATURE-

H. Rauten

2000-2400 WATCH

Underway 18 nozzles - machinery in operation as before
 Made rounds & inspections, changed and changed
 pumps & f.o. discharge strainers. Shifted f.o. suction to
 out to settlers at 2130. pumped soap & diesel float, shaft
 alley & bilges. Complied with standing & night orders and
 COMSTS INS. 4700.7 All conditions safe & normal.
 Regular Underway Steaming Watch Routine

WATCH ENGR'S SIGNATURE-

D.L. Puckett

2400-0400 WATCH

Underway @ 18 nozzles - mach in operation as before -
 made routine inspections of mach & mach spaces - cond.
 normal - complied with COMSTS instr. 4700.7 - pumped
 settlers from #4 DB & - pumped bilges - settlers soundings
 @ 0100 P. outbd 11'11", P. outbd 19'0", S. inbd 6'5", S. outbd 15'2".

WATCH ENGR'S SIGNATURE-

E. Ratasep

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES. MACH IN OPERATION AS BEFORE. CHANGEXOVER #4 F.O. BURNER
 CLEAN F.O. SUCT. STRAINER. ADD 1 GAL. LUB. OIL TO EACH BIR. FEED PUMP (#3 & #4)
 STBD BIR ON BOTTOM BLOW THRU ENAP. ADD COMP. "9" IS TO #3 BIR. SUNRISE @ 0541
 OPEN W.T. DOORS. COMPLIED WITH COMSTS 4700.7 CONDITIONS NORMAL.

MVE #2 STBD = .83

" " PORT = .83

WATCH ENGR'S SIGNATURE-

H. Rauten

0800-1200 WATCH

Underway 18 nozzles Machinery as before. Changed & changed
 burners, f.o. discharge strainers, f.o. strainers. Shifted fresh water
 suction to #3 stbd. to correct list. Shifted f.o. suction to
 inboard. at 1130. 0800 to 0925 plus tubes F&C boilers. #3 pur
 circulation pump on line, split out circulation system. Pumped
 bilges. Complied with standing orders and COMSTS INS.
 4700.7 Regular underway steaming watch routine

WATCH ENGR'S SIGNATURE-

D.L. Puckett

CHIEF ENGINEER

BOILER WATER READINGS

SEB'D

PORT

HOURS

HOURS

AKL

AKL

T-AKL

T-AKL

SAL.

SAL.

PHOS.

PHOS.

R. ph

R. ph

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

SULPHATE

CHIEF ENGR'S SIGNATURE-

D.L. Puckett

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	130	130	130	130	130
DETENTION TIME								FORWARD L. P. ROTOR BEARING	128	128	128	128	130
REVOLUTION COUNTER (END OF WATCH)	2578 7436	2586 7490	2543 3110	2585 8000	2588 2000	2546 4350		AFT. L.P. ROTOR BEARING	126	125	127	126	128
TOTAL REVOLUTIONS (FOR WATCH)	22190	22060	22220	22290	22000	22350		HOTTEST GEAR BEARING FORWARD	145	142	145	145	145
AVERAGE RPM	92.5	91.9	92.6	93.4	92.3	93.2		HOTTEST GEAR BEARING AFT	137	136	135	137	135
F.O. METER (END OF WATCH)	1227 8200	1228 1340	1227 2520	1228 3630	1229 0740	1229 2726	MACHINERY PARTICULARS (CONT'D)	AUX. COND. CONDENSATE	110 110	110 110	110 110	114 114	110 110
F.O. CONSUMED	3180	3140	3180	3100	3120	2990		1ST STAGE FEED WATER HEATER	170	165	170	170	170
PRESSURES	THROTTLE	420	420	420	420	420		D. C. FEED WATER HEATER	237	236	239	238	238
	H.P. AHEAD	420	420	420	420	420		3RD STAGE FEED WATER HEATER	0.1	.41	.41	.41	.41
	L.P. AHEAD	19	19	19.5	19	19		F.O. TO BURNERS	175	175	174	150	150
	VACUUM	29	29	29	29	29		F. O. BACK PRESSURE					
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5		AIR TO FURNACE	6.0 5.0	5.5 5.5	5.2 5.5	5.5 5.5	5.5 5.4
	AUX. STEAM	150	150	150	150	150		UPTAKE					
	BACK PRESSURE	9	9	9	9	9		MAIN STEAM	450	450	450	450	450
	GLAND STEAM	0.5	0.5	.5	0.5	.5		SUPER HEAT	730	750	740	730	735
	H.P. BLEEDER	70	70	60	80	70		F.O. TO BURNERS	185	180	180	180	180
	I.P. BLEEDER	6	6	6	6	6		F.O. TEMP. IN SETTLING TANKS	105 105	108 108	110 105	108 100	106 106
TEMPERATURES	L.P. BLEEDER	13'	13"	13'	13"	13"	PRESSURES	PORT BOILER UPTAKE	320	320	325	330	310
	STEAM AT THROTTLE	730	750	740	730	740		STBD. BOILER UPTAKE	320	330	320	335	310
	L.P. EXHAUST	105	240	107	107	240		ENGINE ROOM TEMPERATURE	87	88	89	89	91
	CONDENSATE	101	102	104	103	102		FIRE ROOM TEMPERATURE	87	88	89	80	91
	CIRC. WATER IN	73	74	76	77	76		NOZZLES IN USE	18	16	14	18	18
	CIRC. WATER OUT	82	84	86	86	86		NO. OF BURNERS IN USE	6	6	6	6	6
	L.O. TO COOLERS	126	126	124	127	126	MISCELLANEOUS	BURNER TIP SIZE	5/55	5/55	5/55	5/55	5/55
	L.O. FROM COOLERS	110	110	110	110	110		CO ₂ % PORT BOILER					
	TEMPERATURE THRUST BEARING	115	115	115	115	115		CO ₂ % STBD. BOILER					
	FORWARD H.P. ROTOR BEARING	123	120	123	123	120		OIL LEVEL MAIN SUMP	1'8" 1'8"	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		DOMESTIC WATER		LUBE OIL	
1200 TO 1600	3	1200	450		8	133	110		64	1250	1250	240	METER AT NOON	12293720	ON HAND AT START OF DAY			
													METER PREVIOUS NOON	12276020	EVAPORATED OR RECEIVED			
1600 TO 2000	4	1200	450		10	139	116		44	1200	1200	240	CONSUMED BY METER	18700	ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
2000 TO 2400	3	1200	450		8	134	110		64	1250	1250	240	RECEIVED DURING DAY		ON HAND AT START OF DAY			
													EXPENDED DURING DAY		RECEIVED			
2400 TO 0400	4	1200	450		10	138	114		44	1200	1200	240	REMAINING ON BOARD		ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
0400 TO 0800	3	1200	450		8	133	110		64	1100	1100	240	EVAPORATED OR RECEIVED					
													ON HAND					
0800 TO 1200	4	1200	450		10	137	115		45	1100	1100	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	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																	

SB@ 1514, 4 @ 1532

Fuel 1514 to 1524 - B/D 1525 to 1532

REMARKS

1200-1600 WATCH

Underway @ 18 nozzles - mach. in op. as follows: main eng, #3 #4 B/Ls, #3 #4 blowers, #3 #4 f.o. serv. pumps, #3 #4 f.d. wtr. pumps, #3 wash wtr pump, air comp, main serv. aux. serv. #3 min. cond pump, main f.o. pump, f.d. purifier - made routine inspect. of mach & mach spaces - cond. normal - complied with COMSTS ins. 4700.7 - pumped settlers from #4 DB & - pumped bilge wtr out on #3 &.

WATCH ENGR'S SIGNATURE - E. Patanap

1600-2000 WATCH

Underway on 18 nozzles. Mach. in operation as before. Blow tubes in port & stbd B/Ls. Port B/LR on bott. blow thru M.J. EVAP. Change & clean #9 F.O. burner. Clean f.o. suet. strainer. Complied with COMSTS 4700.7 cond. normal. Set closing cond. @ 1852 close w.t. doors.

MUF #2 PORT = .93

STBD = .93

WATCH ENGR'S SIGNATURE - H. Karsten

2000-2400 WATCH

Underway 18 nozzles machinery in use as before changed and closed burners & f.o. discharge strainers (Port) pumped bilges. Main air compressor fails to start on low pressure. Call electrician, and readjusted low pressure switch but after a few times it acts same as before. Shifted to orth. settler @ 2144. Evap distilling to m.u. tanks. Potable water suction on #3 stbd. Retarded clock 20 min @ 2300. Complied with standing & night orders and COMSTS ins. 4700.7. Routine steaming watch.

WATCH ENGR'S SIGNATURE - D.L. Quakett

2400-0400 WATCH

Underway @ 18 nozzles - mach. in operation as before - made routine inspections of mach & mach spaces - cond. normal - retarded clock 20 mins @ 0100 - stripped fire peak tank wiper orders - complied with COMSTS 4700.7 - pumped settlers from #4 DB & - air compressor not operating properly - must be manually started on low pressure.

WATCH ENGR'S SIGNATURE - E. Patanap

0400-0800 WATCH

Underway on 18 nozzles. Mach. in operation as before. Change & clean #3 #4 F.O. burners. Clean f.o. suet. strainer. #3 B/LR on cont. bott. blow thru. M.J. EVAP. Add #9 & #15 comp. to #3 #4 B/LR. Sun 3 ft & 15 ft open w.t. doors. Complied with COMSTS 4700.7.

MUF #2 PORT = .93

MUF #2 STBD = .93

WATCH ENGR'S SIGNATURE - H. Karsten

0800-1200 WATCH

Underway 18 Nozzles machinery as before. Elbow tubes P/S boiler 2600 0817. Call electrician to adjust air compressor. Chief Engineer in space at 0910. Changed & cleaned burners & discharge strainers. I/O gen. strainers made rounds, tests, inspections, bilges pumped. All conditions safe & normal. Complied with standing orders and COMSTS ins. 4700.7.

Regular underway steaming watch routine

WATCH ENGR'S SIGNATURE - D.L. Quakett

CHIEF ENGINEER

BOILER WATER READINGS

STBD PORT

HOURS 1001 HOURS 1001

AKL 12.2 AKL 16.7

T-VEL 17.5 T-AKL 21.6

SAL. 5.5 SAL. 5.5

PHOS. 40 PHOS. 50

R.ph 10.5 R.ph 16.5

SWIMTE-35 3-11-42 92-5

CHIEF ENGR'S SIGNATURE - E. Patanap

		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)	TEMPERATURES (CONT'D)		AFT. H. P. ROTOR BEARING	132	130	130	131	130	130	
DETENTION TIME									FORWARD L. P. ROTOR BEARING	127	128	125	129	128	129			
REVOLUTION COUNTER (END OF WATCH)		2592	2594	2597	2599	2601	2603		AFT. L. P. ROTOR BEARING	126	125	126	126	125	126			
TOTAL REVOLUTIONS (FOR WATCH)		21930	22080	21550	22020	21950	21590		HOTTEST GEAR BEARING FORWARD	145	142	145	145	142	143			
AVERAGE RPM		91.4	92.0	91.1	91.8	91.5	91.2		HOTTEST GEAR BEARING AFT	135	136	135	135	136	133			
F.O. METER (END OF WATCH)		1229	1229	1230	1230	1230	1231		AUX. COND. CONDENSATE	130	118	119	114	124	125			
F.O. CONSUMED		3030	2890	2850	2880	2920	2900		1ST STAGE FEED WATER HEATER	173	170	170	172	170	170			
MACHINERY PARTICULARS		PRESSURES		THROTTLE	420	420	420	420	420	420	D. C. FEED WATER HEATER	238	238	238	238	238	238	
				H.P. AHEAD	420	420	420	420	420	420	420	3RD STAGE FEED WATER HEATER	0.1	0.40	0.1	0.4	0.41	0.41
				L.P. AHEAD	19	18.5	18.5	18.5	18.5	19	F.O. TO BURNERS	165	150	145	145	145	148	
				VACUUM	27.5	28.5	28.5	28"	28"	28"	F. O. BACK PRESSURE							
				L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	13	AIR TO FURNACE	50/5.0	55/6.0	52/5.4	51/5.5	55/5.0	55/5.5	
				AUX. STEAM	150	150	150	150	145	145	UPTAKE							
				BACK PRESSURE	9	9	9	9	9	9	MAIN STEAM	450	450	450	450	450	450	450
				GLAND STEAM	6.5	1.0	1.0	1.2	6.5	1.5	SUPER HEAT	720	745	730	730	730	730	730
				H.P. BLEEDER	60	75	65	65	65	75	F.O. TO BURNERS	183	180	180	182	180	180	180
				I.P. BLEEDER	6	6	6	6	6	6	F.O. TEMP. IN SETTLING TANKS	110/105	115/106	115/104	100/95	112/102	114/106	
L.P. BLEEDER	13"	13"	12"	13"	13"	13"	PORT BOILER UPTAKE	315	315	315	315	325	310					
TEMPERATURES		PRESSURES		STEAM AT THROTTLE	720	745	730	730	730	730	STBD. BOILER UPTAKE	315	320	315	315	325	310	
				L.P. EXHAUST	115	245	110	113	240	114	ENGINE ROOM TEMPERATURE	77	92	90	92	92	95	
				CONDENSATE	106	102	104	106	106	107	FIRE ROOM TEMPERATURE	74	92	90	92	92	95	
				CIRC. WATER IN	65	77	78	80	80	80	NOZZLES IN USE	16	18	18	18	18	18	
				CIRC. WATER OUT	67	86	88	88	90	88	NO. OF BURNERS IN USE	6	6	6	6	6	6	
				L.O. TO COOLERS	127	126	126	126	126	127	BURNER TIP SIZE	51/55	57/55	51/55	51/55	57/55	51/55	
				L.O. FROM COOLERS	110	110	110	110	110	110	CO ₂ PORT THROTTLE BOILER						0.51	
				TEMPERATURE THRUST BEARING	115	115	115	115	115	116	STBD. THROTTLE BOILER						1.45	
				FORWARD H.P. ROTOR BEARING	123	123	123	123	120	123	OIL LEVEL MAIN SUMP	1'8"	1'8"	1'8"	1'8"	1'8"	1'8"	1'8"

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	133	110		64	1600	1600	240	METER AT NOON	12311190		ON HAND AT START OF DAY		
													METER PREVIOUS NOON	12293720		EVAPORATED OR RECEIVED		
1600 TO 2000	4	1200	450		10	144	124		42	1520	1520	240	CONSUMED BY METER	17470		ON HAND		
													ON HAND AT START OF DAY			CONSUMED		
													RECEIVED DURING DAY			ON HAND AT START OF DAY		
													EXPENDED DURING DAY			RECEIVED		
2000 TO 2400	3	1200	450		8	130	108		64	1450	1450	240	REMAINING ON BOARD			ON HAND		
													ON HAND AT START OF DAY			CONSUMED		
													EVAPORATED OR RECEIVED					
													ON HAND					
2400 TO 0400	4	1200	450		10	142	120		42	1450	1450	240	CONSUMED					
	3	1200	450		8	133	110		65	1350	1350	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
0400 TO 0800	4	1200	450		10	142	120		40	1350	1350	240	4	4	4	4	4	4
	3	1200	450		8	133	110		64	1350	1350	240	SUMMARY					
													RUNNING TIME		PERCENT OF SLIP			
													DETENTION TIME		BBL FUEL/MI			
0800 TO 1200	4	1200	450		10	140	120		40	1500	1500	240	TOTAL REVOLUTIONS		WIND DIRECTION			
	3	1200	450		8	133	110		64	1450	1450	240	AVERAGE R.P.M.		STATE OF SEA			
													TOTAL MILES BY ENGINE		STATE OF WEATHER			
													TOTAL MILES BY OBSERVATION					

W.H. #3	filling #3 std, swat. fr. #3 post.	REMARKS
1200-1600 WAZCH		

#200-1600 WATCH
Blackaway @ B. mazzie - mach in op as follows: main air
and pump, main blower, #3 & #4 gen, main engine, #3 & #4
blow, #3 & #4 blowers, #3 & #4 fire water pumps, #3 & #4 fd wtr pumps, #3
main cond pump, #3 wash wtr pump pumped settler from
#7 std dk, took drag on #7 & #8 PS & #9 deep, complied with COMST
instr 49607, pumped bulges - shifted air comp to food engine
room - generators fully loaded.
WATCH ENGR'S SIGNATURE: E. Rataj

1600-2000 WATCH
UNDERWAY ON 18 NOZZLES. 1104 IN OPERATIONS BEFORE BLOW TUBES IN PORT
AND STD. BLRS. CHANGE & CLEAN #4 FO. HURRIC. CLEAN FO. SUCT. STRAINER
SUNSET 1825 CLOSE W.T. DOORS. ADD COMP TO #4 BLR.

MUF 5.607 = 83

NUF #2 STBD = .83

Underway on 18 days. No machinery as before. Changed & changed burners of F.O. machinery. Strained & made rounds. Test & inspection. Shifted to outboard motor at 2315. Portable water section on #3 started. Es operating distilling to feed water tank, pumped bilges. Carried out all standing & night orders. Complied with COASTS Ins. 4700? all conditions safe and normal.

Regular Underway Steaming Watch Routine

2400-0400 WATCH
Underway on 1st nozzle - mach in operation as before -
made routine inspections of mach & mach space - cond.
normal - pumped settlers - switched from #4 old settl to #6
deeps - sounded settlers P. inld 25'0", P. outld 13'4", S. outld 16'?",
S. inld 15'6" - pumped bilges - complied with COMSTIS inst 4700.7.
Filling and drawing from #3 old potable water.

0400-0800 WATCH

0400-0800 WATCH
UNDERWAY ON 17 NOZZLES. MACH. IN OPERATION AS BEFORE. CHANGES + CLEAN #3
F.O. BURNER. CLEAN F.O. SUCT. STRAINER. PORT 322 ON PORT. BLOW THRU.
M.U. EV42. SUNRISE 0547 OPEN W.T. DOORS.

MUF. Hz PORT = 83 G/s +40V = 6'

MUF. Σ STP = .83 G/H. TAN = 9' - SOUT.

underway 18 Baggles Machinery on before Change & Change
pumps J.O. discharge strainers. 1045 rounds Tests inspections
of work space. All conditions normal. Chief Engineer in aft
at 1000. Shifted to inst J.O. Settlers at 1045. 0800 To 0818
blew tubes & 5 boiler. pumped bilges. Potable water syst. #3 Standb.
Complied with standing orders & COMST'S IN'S. 4700.7

Regular Underway Steaming Watch Routine
CHIEF/ENGINEER

BOILER WATER READINGS

FIELD	PORT
HOURS F-1015	F-310
G-2742	HOURS W-2772

AME 116. AME 15.1

T-AKL 15.7 T-AKL 13.2

SAL. 58 SAL. 58

PHOS. 30 PHOS. 40

R.ph 105 R.ph 105

SULPHITE 3.5 SULPHITE 40.5

CHIEF ENGR'S SIGNATURE.

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE					
GEN ULMN PIPE		SA		OAKLAND NSC		Subic Bay PI		17-2		4-23-67					
		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		240	240	260	260	260	240			132	130	132	132	130	130
DETENTION TIME										130	130	133	132	130	130
REVOLUTION COUNTER (END OF WATCH)		2605 8090	2607 9930	2610 3760	2612 1686	2615 1150	2617 3130			125	125	126	126	125	126
TOTAL REVOLUTIONS (FOR WATCH)		21970	21890	23850	23920	23470	21990			145	142	145	145	142	145
AVERAGE RPM		91.6	91.2	91.7	92.0	90.3	91.6			135	136	135	135	136	135
F.O. METER (END OF WATCH)		1231 4080	1231 6980	1232 6060	1232 3180	1232 6250	1232 9120			122 130	122 126	119 126	120 129	126 128	130 134
F.O. CONSUMED		2890	2900	3080	3120	3070	2970			170	170	170	170	170	170
								MACHINERY PARTICULARS (CONT'D)							
								TEMPERATURES (CONT'D)							
								AFT. H. P. ROTOR BEARING							
								FORWARD L. P. ROTOR BEARING							
								AFT. L. P. ROTOR BEARING							
								HOTTEST GEAR BEARING FORWARD							
								HOTTEST GEAR BEARING AFT							
								AUX. COND. CONDENSATE							
								1ST STAGE FEED WATER HEATER							
								D. C. FEED WATER HEATER							
								3RD STAGE FEED WATER HEATER							
								F.O. TO BURNERS							
								F. O. BACK PRESSURE							
								AIR TO FURNACE							
								UPTAKE							
								MAIN STEAM							
								SUPER HEAT							
								F.O. TO BURNERS							
								F.O. TEMP. IN SETTLING TANKS							
								PORT BOILER UPTAKE							
								STBD. BOILER UPTAKE							
								ENGINE ROOM TEMPERATURE							
								FIRE ROOM TEMPERATURE							
								NOZZLES IN USE							
								NO. OF BURNERS IN USE							
								BURNER TIP SIZE							
								CO2 % PORT THRUST BOILER H.P.							
								CO2 % STBD. THRUST BOILER A.P.							
								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	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED
1200 TO 1600	3	1200	450		8	133	110		64	1500	1500	240	METER AT NOON	12329120			
													METER PREVIOUS NOON	12311190			
													CONSUMED BY METER	17930			
													ON HAND AT START OF DAY				
													RECEIVED DURING DAY				
													EXPENDED DURING DAY				
													REMAINING ON BOARD				
1600 TO 2000	3	1200	450		8	130	110		64	1400	1400	240	ON HAND AT START OF DAY				
													EVAPORATED OR RECEIVED				
													ON HAND				
													CONSUMED				
2000 TO 2400	4	1200	450		10	142	122		40	1400	1400	240	ON HAND AT START OF DAY				
													EVAPORATED OR RECEIVED				
													ON HAND				
													CONSUMED				
2400 TO 0400	3	1200	450		8	133	110		64	1350	1350	240	ON HAND AT START OF DAY				
													EVAPORATED OR RECEIVED				
													ON HAND				
													CONSUMED				
0400 TO 0800	4	1200	450		9.5	145	125		40	1300	1300	240	ON HAND AT START OF DAY				
													EVAPORATED OR RECEIVED				
													ON HAND				
													CONSUMED				
0800 TO 1200	3	1200	450		8	132	110		64	1500	1500	240	ON HAND AT START OF DAY				
													EVAPORATED OR RECEIVED				
													ON HAND				
													CONSUMED				
													ON HAND AT START OF DAY				
													EXPENDED DURING DAY				
													REMAINING ON BOARD				
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REMARKS

1200-1600 WATCH

Underway @ 18 nozzles - machine in operation as before. Running, #3 #4 gen, steam engine, #3 #4 Bldg, #3 #4 bilge, #3 #4 f.o. cond. pump, #3 #4 f.o. wtr pump, #3 wtr pump, even core, #3 even cond pump, even i.o. pump, 6.5 pump, even comp, complied with COMST 4700.4, pumped settlers from #6 and #5 deeps, pumped bilges, filling and drawing from #3, att'd.

WATCH ENGR'S SIGNATURE-

E. Katarap

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES MACH. IN OPERATION AS BEFORE. CLEAN TUBES IN FORT & STD BLRS. CLEAN F.O. BURNER CLEAN F.O. SUCT. STRAINER. PORT BLR ON CONT. BOTT BLOW THRU. MLV. EVAP. SUNSET @ 1851 CLOSE W.T. DOORS

M.D.F. #2 STD = .83 - SUCTION STD. TANK = 9'

M.D.F. #2 PORT = .83 -

WATCH ENGR'S SIGNATURE-

H. Kanton

2000-2400 WATCH

Underway 18 nozzles machinery as before. Jockeyed over mach (ills) C40 to trimmers & burners. Shifted to suction to outflow at 2205. Shifted potable water system to #3 started. Retarded clock 20 min at 2300. Made rounds, test & inspection. All condition safe and normal.

Routine underway steaming watch.

WATCH ENGR'S SIGNATURE-

D. L. Buckett

2400-0400 WATCH

Underway @ 18 nozzles - machine in operation as before. Made routine inspect of mach. & mach. spaces. Retarded clock 20 min @ 0100. Held F.O. B-18 from 0100 to 0130. Pumped settlers from #5 deep, filling & drawing from #3. Std potable tank, changed over from #3 even cond pump to #3 even cond pump - pumped bilges - complied with all instructions & COMST 4700.7.

WATCH ENGR'S SIGNATURE-

E. Katarap

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES MACH. IN OPERATION AS BEFORE. CHANGE & CLEAN #3 #4 F.O. STRAINER F.O. BURNERS. CLEAN F.O. SUCT. STRAINER. RETARD CLOCK 20 MIN @ 0500. STD. BLR. ON BOTTOM THRU EVAP. JUMPSE @ 0515 OPEN W.T. DOORS. HELD S.C.D. B-18 FROM 0500 TO 0530. FOUR MEN PRESENT. ADD CAM FOUND TO #3 BLR.

M.D.F. #2 STD = .83 SUCTION STD. TANK = 4'-0"

" " PORT = .83

WATCH ENGR'S SIGNATURE-

H. Kanton

0800-1200 WATCH

Underway 18 nozzles machinery as before 0800-0830 blew tubes P&S boiler. Held F.O. B-18 0830-0900 FOUR MEN PRESENT. Chief Eng. & 1st Asst. Chlorinated Hgt. peak tank @ 935. Chief in space 1000. Shifted f.o. suction to i-board 1020. Change & Clean burners, F.O. Strainers & L.O. Strainers. Machinist is making new parts for valve linkage to F.O. Trans pump. E.T.R. on F.O. Trans pump. four hours. Complied with COMST 4700.7 following orders. Regular underway steaming watch routine.

WATCH ENGR'S SIGNATURE-

D. L. Buckett

CHIEF ENGINEER

BOILER WATER READINGS

STD	PORT
HOURS F-1049	HOURS F-314
W-2772	W-2796
AKL 10.5	AKL 14.0
T-AKL 13.4	T-AKL 12.1
SAL. 5.8	SAL. 6.2
PHOS. 30	PHOS. 30
R.ph 105	R.ph 10.5

SULPHITE: 29 SULPHITE 365

CHIEF ENGR'S SIGNATURE-

D. L. Buckett

		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	132	132	130	132
DETENTION TIME						17			FORWARD L. P. ROTOR BEARING		131	130	129	130	130	130
REVOLUTION COUNTER (END OF WATCH)		2614	2621	2623	2623	2627	2629		AFT. L. P. ROTOR BEARING		126	125	126	126	124	126
TOTAL REVOLUTIONS (FOR WATCH)		21835	21830	22110	19270	20250	21570		HOTTEST GEAR BEARING FORWARD		145	142	143	145	138	149
AVERAGE RPM		91.0	90.9	92.1	80.3	90.8	89.9	HOTTEST GEAR BEARING AFT		135	136	135	135	136	135	
F.O. METER (END OF WATCH)		1233	1233	1233	1239	1234	1234	TEMPERATURES (CONT'D)	AUX. COND. CONDENSATE		126	126	121	125	125	120
F.O. CONSUMED		2880	2820	2800	2680	2780	2730		1ST STAGE FEED WATER HEATER		174	170	170	167	170	170
									D. C. FEED WATER HEATER		230	236	238	232	236	236
									3RD STAGE FEED WATER HEATER		41	41	41	41	41	41
								MACHINERY PARTICULARS (CONT'D)	F.O. TO BURNERS		140	140	140	145	145	155
									F. O. BACK PRESSURE							
									AIR TO FURNACE		5.0	6.0	3.2	5.5	5.5	5.7
									UPTAKE							
								TEMPERATURES (CONT'D)	MAIN STEAM		450	450	450	450	450	450
									SUPER HEAT		730	735	730	725	720	725
									F.O. TO BURNERS		120	180	150			
									F.O. TEMP. IN SETTLING TANKS		100	114	110	113	112	112
								MACHINERY PARTICULARS (CONT'D)	PORT BOILER UPTAKE		310	305	305	310	325	310
									STBD. BOILER UPTAKE		310	305	305	310	325	310
									ENGINE ROOM TEMPERATURE		100	98	98	92	98	96
									FIRE ROOM TEMPERATURE		100	98	96	92	98	98
								MISCELLANEOUS	NOZZLES IN USE		18	18	18	18	18	18
									NO. OF BURNERS IN USE		6	6	6	6	6	6
									BURNER TIP SIZE		5/55	5/55	5/55	5/55	5/55	5/55
									CO2 % PORT BOILER		1.65	.05	.05		.05	.05
								MISCELLANEOUS	CO2 % STBD. BOILER		1.14	.14	.14		.14	.14
									OIL LEVEL MAIN SUMP		1'8"	1'8"	1'8"	1'8"	1'8"	1'8"

REMARKS

1200-1600 WATCH

Underway @ 18 knots - mach in op. as follows: running, #3#4 gen, sea cond, and cond, sea cond pump, #3#4 blw, #3#4 flower, #3#4 f.o. pump, #3#4 fd wt. pump, #3 wash water pump, #4 sea cond pump - made routine inspection of mach & mach space - cond normal - pumped settler from #5 deep - completed with CLMIST's inst. 4700.7 - pumped bilge - potable water 3P, fill 35.

WATCH ENGR'S SIGNATURE - E. Ratnap

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES MACHINERY IN OPERATION AS BEFORE. CHANGED POT. WATER SUCT. TO AFT. PEAK TANK @ 1800. BLOW TUBES ON #3#4 BLWS. CHANGE AND CLEAN #3 F.O. BURNER. CLEAN SUCT. STRAINER. STBD. BLR. ON BOT. T. BLOW THRU M.V. ELAP. SUNSET 1817 CLOSE W.T. DOORS.

MUF #2 STBD - .83 SUCT. STBD TANK 7'-0"

MUF #2 PORT - .83

2000-2400 WATCH

Underway 18 knots. Machinery as before picked over idly mach. Shifted to outboard f.o. Settler, distilled to feed tanks at 2215. Potable water from aft. peak tank. O/C burner & F.O. Discharge Strainers. made rounds, tests & inspections of mach. space. Bilges pumped. All conditions are normal.

WATCH ENGR'S SIGNATURE - E. Ratnap

Regular underway steaming watch Routine

WATCH ENGR'S SIGNATURE - D. L. Pinkett

2400-0400 WATCH

Underway @ 18 knots - mach in operation as before - made routine inspect of mach & mach space - cond normal - at approx. 0135 lost fire water in outboard side settler, had to secure main engine and dump electrical load off #3#4 gen to prevent from losing plant completely - operating normally @ 0130 - pumped outboard section over to clear out water about 4 feet - pumped bilges.

WATCH ENGR'S SIGNATURE - E. Ratnap

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES. MACH. IN OPERATION AS BEFORE. O/C TRIED TO SHIFT SETTLER WATER IN SAME SIDE MAIN ENG. DOWN TILL WE RETAINED SUCT. H.E. 0500. Pump 4" dia. 1" from STBD. SETT. COULD NO GET SUCT. PORT SETT. HAD WATER ALSO LOST FIRE. STE. MAIN ENG. 0535 HL @ 0552. DAV 2ND FILLED PORT SETT. AFT. PEAK TANK LOST SUCT. SHIFT SUCT. ON STBD. S. V. RISE @ 0547 OPEN W.T. DOORS. CLEAN #3 F.O. BURNERS. CLEAN F.O. SUCT. STRAINER.

MUF #2 STBD - .83 SUCT. STBD TANK - 7'

MUF #2 PORT - .83 PORT " - 6'

0800-1200 WATCH

Underway - 18 Nozzles Machinery as before. Blow tubes P/S boilers 0800-0818 Shifted Pot. water suct. to #3 Port distilling to #3 STBL. slow to 80 RPM at 0910 to prevent losing plant. Water in F.O. Resumed speed at 0918 bridge informed of actions. Slowed to 85 RPM @ 1037 Water in f.o. Shifted to inboard settler. Resumed speed at 1041. Bridge informed. STDBY at 1116 Steering causality Port motor. Full ahead at 1126. Shifted distilling to Feed Tanks at 1030. Chief in spec at 1100. Implied Consts 4700.7.

Routine Steaming Watch

WATCH ENGR'S SIGNATURE - D. L. Pinkett

CHIEF ENGINEER

PORT WATER READINGS

TEMP. PORT
BOWS F-1073 BOWS F-338
W-2796 W-2320

AKL 7.6 AKL 14.0

T-AXL 11.6 T-AXL 19.1

SAL. 3.8 SAL. 7.0

PHOS. 4.0 PHOS. 3.0

R-ph 10.5 R-ph 10.5

JUL-15-46 SCARFITE 610

CHIEF ENGR'S SIGNATURE - D. L. Pinkett

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	DOMESTIC WATER	LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)			
1200 TO 1600	3	1200	450		8	135	114		63	1500	1500	240	METER AT NOON 12363270		ON HAND AT START OF DAY			
													METER PREVIOUS NOON 12345810		EVAPORATED OR RECEIVED			
1600 TO 2000	3	1200	450		8	134	112		64	1500	1500	240	CONSUMED BY METER 1740		ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
2000 TO 2400	4	1200	450		9.5	148	130		76	1580	1580	240	RECEIVED DURING DAY		ON HAND AT START OF DAY			
													EXPENDED DURING DAY		RECEIVED			
2400 TO 0400	3	1200	450		8	135	112		63	1400	1400	240	REMAINING ON BOARD		ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
0400 TO 0800	4	1200	450		10	143	128		40	1350	1350	240	CONSUMED					
0800 TO 1200	3	1200	450		8	135	112		63	1400	1400	240						
1200 TO 1600	4	1200	450		9.5	143	128		40	1400	1400	240						
1600 TO 2000	3	1200	450		8	135	113		62	1400	1400	240						
2000 TO 2400	4	1200	450		9.5	145	128		40	1350	1350	240						
2400 TO 0400	3	1200	450		8	132	112		64	1500	1500	240						
0400 TO 0800	4	1200	450		110	143	126		40	1500	1500	240						
0800 TO 1200	3	1200	450		8	133	110		63	1550	1550	240						
1200 TO 1600	4	1200	450		9.5	146	128		40	1550	1550	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 1/2	3 1/3	-	

SUMMARY		
RUNNING TIME		PERCENT OF SLIP
OETENTION 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

Underway @ 1515, 4H @ 1524.

1200-1600 WATCH

Underway @ 16 nozzles - mach. in op. as follows: #3 & 4 Blw, #3 & 4 Hdw, #3 & 4 f.c. seaw. pumps, #3 & 4 fd. wtr pumps, #3 & 4 gen, main eng, main air, aux air, #9 main cond. pump, main l.c. pump, l.c. purifier, #3 wash wtr pump - made routine insp. of mach. & mach. spaces - cond. normal - complied with COMSTS instr. 4700.7 - pumped bilges - pumped setllers for 6 Q dr - pumped bilges - FIRE DR. 1515 to 1524, BLAT DR. 1527 to 1531. ENS-#31. ^{WATCH ENGR'S SIGNATURE} E. R. Katsarp

1600-2000 WATCH

UNDERWAY ON 12 NOZZLES. MACH. IN OPERATION AS BEFORE. CHANGE & CLEAN #3 F.O. BURNER. CLEAN F.O. SUCT. STRAINER. BLOW TUBES IN PORT & STBD. BOILERS. #4 BLR. ON BOTT. BLOW THRU EVAP. ADD COMPOUND TO STBD. BLR. COMPLIED WITH COMSTS INSTR. 4700.7.

MUF #2 STBD = .83* STBD 6' SUCTION STBD

PORT = .83* PORT 7'

WATCH ENGR'S SIGNATURE -

2000-2400 WATCH

Underway 18 Nozzles Machinery as before changed & cleaned burners, fo discharge strainers made rounds, tests & inspections Potable water suction #3 port bilges pumped Complied with standing & night orders & COMSTS. INS 4700.7 Retarded clock 20 min. at 2300 Shifted to inbd. Settler at 2315.

MUF TANKS #2 FTS 124 gpg Condensate .83 gpg.

DRAIN TANKS 124 gpg.

Regular Underway Steaming Watch Routine

WATCH ENGR'S SIGNATURE -

2400-0400 WATCH

Underway @ 16 nozzles - mach. in operation as before - made routine inspections of mach. & mach. spaces - cond. normal - retarded clock 20 min @ 0100 - secured settler PJ-11'10" PD-8'1" SI-9'11" SO-7'2" pumped settler from #7 Q dr - secured l.c. purifier because leaking at thru cover (Canada new gaskets) - complied with COMSTS instr. 4700.7 - pumped bilges - fresh water suction & fill to #3 port. ^{WATCH ENGR'S SIGNATURE} E. R. Katsarp

0400-0800 WATCH

UNDERWAY ON 12 NOZZLES. MACH. IN OPERATION AS BEFORE. CHANGE & CLEAN #3 & 4 F.O. BURNERS. CLEAN F.O. SUCT. STRAINER. SUNSET 0521 OPEN INT. DOORS. RETARD CLOCK 20 MIN. @ 0500. PORT BLR. ON BOTT. BLOW THRU M.U. EVAP. ADD COMPOUND TO PORT BLR. " 9 + 15 and SULPHITE.

MUF #2 STBD = .83

PORT = .83

WATCH ENGR'S SIGNATURE -

0800-1200 WATCH

Underway 18 Nozzles Machinery as before changed burners & FO discharge strainers 20 gen. strainers Blew tubes 0800-0820. Steering Eng. manned while passing thru. Straights. McDonald standing by (Q3AE) Secured MUF ECRP, 1012 Compounded starboard boiler. Distilled to Feed bottoms during watch & shifted back to #3 p at 1140. shifted to outboard settler 1134. Complied with standing orders & COMSTS 4700.7.

Regular Underway Steaming Watch Routine

WATCH ENGR'S SIGNATURE -

CHIEF ENGINEER

BOILER WATER READINGS

STBD	PORT
HOURS F-1047	HOURS F-382
W-2220	W-2844
AKL 11.7	AKL 5.3
T-AKL 15.8	T-AKL 2.1
SAL. 12.2	SAL. 10.8
PHOS. 30	PHOS. 10
R.ph 10.5	R.ph 10.5

ADD 15 SULPHITE 19.

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	50		MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	136	132	127	122	
DETENTION TIME								FORWARD L. P. ROTOR BEARING	133	130	126	122	
REVOLUTION COUNTER (END OF WATCH)	2645 7210	2648 8000	2649 5430	2651 0630	2651 3260			AFT. L. P. ROTOR BEARING	127	126	124	120	
TOTAL REVOLUTIONS (FOR WATCH)	21960	20790	17430	15260	2630			HOTTEST GEAR BEARING FORWARD	144	134	136	130	
AVERAGE RPM	91.5	86.6	72.6	63.3	52.6			HOTTEST GEAR BEARING AFT	136	132	133	127	
F.O. METER (END OF WATCH)	1236 5730	1234 8200	1237 0060	1237 1616	1237 1940	1239 3430		AUX. COND. CONDENSATE	139 138	128 132	128 130	128 132	132 132
F.O. CONSUMED	2500	2470	1960	1530	330	1490		1ST STAGE FEED WATER HEATER	170	170	173	123	115
MACHINERY PARTICULARS	PRESSURES	THROTTLE	420	420	410	420		D. C. FEED WATER HEATER	236	238	236	238	236
		H.P. AHEAD	420	420	390	200		3RD STAGE FEED WATER HEATER	0.8	0.83	83	0.41	.83
		L.P. AHEAD	14.5	13.5	6	13.5		F.O. TO BURNERS	130	120	175	100	125
		VACUUM	27	27	29.25	28.5		F. O. BACK PRESSURE					
		L.O. TO TURBINES	12.7	12.7	13	13.5		AIR TO FURNACE	6.0 5.0	6.0 5.0	3.9 3.9	2.0 2.0	3.5 3.5
		AUX. STEAM	195	145	145	145		UPTAKE					
		BACK PRESSURE	90	9	9	9		MAIN STEAM	450	450	440	450	440
		GLAND STEAM	0.5	0.5	.5	0.5		SUPER HEAT	735	735	700	650	300
		H.P. BLEEDER	70	75	60	60		F.O. TO BURNERS	180	180	180	190	180
		I.P. BLEEDER	6	6	6	6		F.O. TEMP. IN SETTLING TANKS	126 112	122 112	122 106	122 106	124 102
MACHINERY PARTICULARS	TEMPERATURES	L.P. BLEEDER	13"	14"	24"	22"		PORT BOILER UPTAKE	305	300	285	270	290
		STEAM AT THROTTLE	735	735	700	650		STBD. BOILER UPTAKE	305	295	285	270	250
		L.P. EXHAUST	240	240	110	111		ENGINE ROOM TEMPERATURE	101	101	97	97	97
		CONDENSATE	112	112	104	96		FIRE ROOM TEMPERATURE	101	101	97	97	98
		CIRC. WATER IN	87	88	94	86		NOZZLES IN USE	16	16	10	Blow	—
		CIRC. WATER OUT	95	96	90	88		NO. OF BURNERS IN USE	6	6	4	4	2
		L.O. TO COOLERS	126	126	122	119		BURNER TIP SIZE	51 55	51 55	51 55	51 55	51 55
		L.O. FROM COOLERS	112	110	110	110		20% PORT	.05	.05	.06		
		TEMPERATURE THRUST BEARING	112	116	115	112		20% STBD.	.14	.14	.15		
		FORWARD H.P. ROTOR BEARING	124	123	122	118		OIL LEVEL MAIN SUMP	1'7"	1'7"	1'6"	1'6"	1'6"

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		DOMESTIC WATER		LUBE OIL	
1200 TO 1600	3	1200	450		8	136	114		62	1550	1550	240	METER AT NOON	12373430	ON HAND AT START OF DAY		ON HAND AT START OF DAY	
	4	1200	450		9.5	149	132		40	1500	1500	240	METER PREVIOUS NOON	12363220	EVAPORATED OR RECEIVED		EVAPORATED OR RECEIVED	
1600 TO 2000	3	1200	450		8	134	112		62	1400	1400	240	CONSUMED BY METER	10200	ON HAND		ON HAND	
	4	1200	450		10	145	128		40	1400	1400	240	ON HAND AT START OF DAY		CONSUMED		CONSUMED	
2000 TO 2400	3	1200	440		8	133	110		62	1300	1300	240	RECEIVED DURING DAY		ON HAND AT START OF DAY		ON HAND AT START OF DAY	
	4	1200	440		9.5	145	127		40	1300	1300	240	EXPENDED DURING DAY		RECEIVED		RECEIVED	
2400 TO 0400	3	1200	450		8	134	112		62	1250	1250	240	REMAINING ON BOARD		ON HAND		ON HAND	
	4	1200	450		9.5	135	128		40	1250	1250	240	ON HAND AT START OF DAY		CONSUMED		CONSUMED	
0400 TO 0800	3	1200	450		8	132	110		62	1400	1400	240	EVAPORATED OR RECEIVED					
	4	1200	450		10	143	126		40	1400	1400	240	ON HAND					
0800 TO 1200	3	1200	430		8	133	110		62	1300	1300	240	CONSUMED					
	4	1200	430		9.5	145	128		40	1300	1300	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												
	2	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

Spind down from 18 nozzles to 16 nozzles @ 1200 - mach. in operation as follows: Main eng, #3 #4 gen, main air, main air pump, bilge pumping, #3 #4 Blr, #3 #4 blower, #3 #4 f.o. serv pumps, #3 #4 f.o. pumps, #1 main cond pump, #3 air pump pumped settlers from #7 CL P&S - supplied with COMST's instr. #4700.7 - filling & drawing fr 3B & 3C 3P & 3S respectively - pumps bilge - removed all burner tips.

WATCH ENGR'S SIGNATURE - E. Katsaris

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES. MACH. IN OPERATION AS BEFORE. BLOW TUBE IN #3 & #4 BLRS. CARRYING + CLEAN. #3 F.O. BURNER INSTALL NEW BURNER TIP 5/16. CLEAN F.O. SUCT STRAINER. SUNSET @ 1807. PORT BLR ON BOTTOM BLOW SHED M.O. PUMP OILER QUEN INJURED FINGER DUE TO CHANGING POSITION OF COCOA MAT USED FOR POLISHING STEEL. PROX. SHIF. SENT TO HOSP FOR CHECK. BRIDGE CALLED TO REDUCE SPEED TO 7.2 RPM. @ 1930. ADD COMB ONT TO #4 BLR. OILER-QUEN RETURNED ON WATCH 1855.

MUR #2 STBD - 1.24 - SUCT. STBD. TANK = 7.0

MUR #2 PORT - 1.24 - " = 7.0

WATCH ENGR'S SIGNATURE - H. Katsaris

2000-2400 WATCH

UNDERWAY ON 16 NOZZLES (Block) machinery in operation as before except as follows. #2 Aux Air ejector, #2 Aux condensate pump. plant split out complete. Shifted f.o. settlers to inboard. making feed water at 22.5. Potable water suction #3 started. Cleaned burners & f.o. discharge strainers.

Completed with night & steaming orders & COMST's IN S. 4700.7

Regular underway steaming watch routine

WATCH ENGR'S SIGNATURE - D. F. Puckett

2400-0400 WATCH

Underway on 16 nozzles (Block) - mach. in operation as before - mid-routine inspections of mach. & mach. spaces - cond. normal - dropped to 6.2 RPM @ 0100 - Held ELD B-20 from 0100 to 0130 - MTD - 6-146-1 not working electrically - pumped up settlers from 79 dk - pumped bilge - supplied with COMST's instr. 4700.7. No fill & suct on #3 P.

WATCH ENGR'S SIGNATURE - E. Katsaris

0400-0800 WATCH

ARRIVING IN PORT. MACH. IN OPERATION AS BEFORE. JTSY @ 0400
 ARRIVAL @ 0435 FOM. - 4224470 - P. F.W.E @ 0536 FOM. P. - 4224470
 " - 8149270 - S. " S - 8147440 BELLE PEN BOLL
 CNTR. P = 26513260 F.W.E @ 0536 CNTR. P = 26514610
 S = 27536610 " S = 27535070 SECURE MAIN STOPS. ENG

ON JACKING GEAR. SYBD. BLR. ON BATT. BLOW. CHANGED CLEAN * 5 + F.O. BURNERS. CLEAN SUCT. STRAINER.

START FUELING 0725 START TAKING F.W. @ 0630

WATCH ENGR'S SIGNATURE - L. Katsaris

0800-1200 WATCH

Port watch machinery as before except secured #2 Aux condensate pump for repairs & #2 Aux Air ejectors, Aux generators cross over to main system. Shifted to outbd. f.o. settlers. Taking on fuel oil & water. Bilge safe level. Jr. Released for Lib. M.F. Equip. in operation. Watkins fireman. Itaque oiler finished taking fuel at 1120, 11,138 gross barrels. #2 P&S Feed took 1.24

B. boiler 8.3 gpg S. boiler 6.21 Regular in port steaming watch routine

WATCH ENGR'S SIGNATURE - D. F. Puckett

CHIEF ENGINEER

BOILER WATER READINGS

SEED	PORT
ROUSE P = 1121	W = 404
W = 2844	W = 2848
AKL 7.0	AKL 6.4
T-AKL 12.2	T-AKL 10.5
SAL. 9.5	SAL. 10.3
PHCS. 30	PHOS. 40
R.ph 10.5	R.ph 10.5
SAL. 21.5	32.5

CHIEF ENGR'S SIGNATURE - D. F. Puckett

		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		-	172	240	240	240	240	MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	128	130	132	132	130	132	
DETENTION TIME		-								FORWARD L. P. ROTOR BEARING	126	133	133	133	133	134	
REVOLUTION COUNTER (END OF WATCH)		-	2053 2520	2655 4510	2657 6350	2659 8090	2661 9850			AFT. L.P. ROTOR BEARING	123	132	133	132	133	132	
TOTAL REVOLUTIONS (FOR WATCH)		-	14960	21990	21640	21740	21760			HOTTEST GEAR BEARING FORWARD	132	138	145	145	138	145	
AVERAGE RPM		-	86.6	91.6	91.0	90.6	90.7			HOTTEST GEAR BEARING AFT	132	134	135	136	136	135	
F.O. METER (END OF WATCH)			1237 6520	1237 9260	1238 2000	1238 4720	1238 5440			AUX. COND. CONDENSATE	128 130	130 134	130 132	128 132	128 140	138 144	
F.O. CONSUMED			2120	2140	2740	2720	2720	1ST STAGE FEED WATER HEATER	123	175	175	175	175	176			
MACHINERY PARTICULARS	PRESSURES	THROTTLE	420	420	420	420	420	420	D. C. FEED WATER HEATER	236	234	238	238	238	238		
		H.P. AHEAD	-	420	420	420	420	420	3RD STAGE FEED WATER HEATER	0.4'	0.5'			.83	.83		
		L.P. AHEAD	-	21	20	20	20.5	22	F.O. TO BURNERS	145	145		155	145	145		
		VACUUM	26.5	26.5	27.5	27.5	26.8	26.5	F. O. BACK PRESSURE	-							
	TEMPERATURES	L.O. TO TURBINES	14	13.5	13	12.7	12.7	13	AIR TO FURNACE	2.5 2.0	5.5 6.0	4.5 5.0	6.0 6.0	8.0 6.0	5 7		
		AUX. STEAM	145	150	150	145	150	150	UPTAKE	-							
		BACK PRESSURE	9	9	9	9	9	9	MAIN STEAM	450	450	450	450	450	450		
		GLAND STEAM	1.0	1.0	.5	6.5	1.0	1.2	SUPER HEAT	700	720	715	720	730	735		
		H.P. BLEEDER	-	70	65	65	65	60	F.O. TO BURNERS	180	180	180	180	180	180		
		I.P. BLEEDER	-	6	6	6	6	6	F.O. TEMP. IN SETTLING TANKS	125 126	122 105	128 110	123 116	125 114	122 113		
		L.P. BLEEDER	-	12	10"	13"	12"	10"	PORT BOILER UPTAKE	270	325	330	335	340	315		
		STEAM AT THROTTLE	700	720	715	720	730	735	STBD. BOILER UPTAKE	255	325	305	310	315	305		
	TEMPERATURES	L.P. EXHAUST	110	45	120	120	245	125	ENGINE ROOM TEMPERATURE	105	102	99	97	101	102		
		CONDENSATE	123	114	112	112	114	116	FIRE ROOM TEMPERATURE	105	102	99	97	101	102		
CIRC. WATER IN		85	86	86	88	88	88	NOZZLES IN USE	-	18	18	18	18	18			
CIRC. WATER OUT		92	96	96	96	96	96	NO. OF BURNERS IN USE	2	6	6	6	6	6			
L.O. TO COOLERS		122	126	126	127	126	127	BURNER TIP SIZE	5/55	5/55	5/55	5/55	5/55	5/55			
L.O. FROM COOLERS		110	110	110	110	110	110	CO ₂ % PORT BOILER	-								
TEMPERATURE THRUST BEARING	114	118	118	116	116	119	CO ₂ % STBD. BOILER	-									
FORWARD H.P. ROTOR BEARING	122	125	123	124	123	123	OIL LEVEL MAIN SUMP	1'7"	1'7"	1'8"	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	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	450		8	134	112		62	1250	1250	1267440	12372430	14010			
1600 TO 2000	4	1200	450		9.5	147	130		40	1260	1200						
2000 TO 2400	3	1200	450		8	134	112		64	1450	1450						
2400 TO 0400	4	1200	450		10	145	130		40	1300	1300						
0400 TO 0800	3	1200	450		8	134	112		62	1300	1300						
0800 TO 1200	4	1200	450		9.5	147	129		40	1300	1300						
	3	1200	450		8	134	113		62	1400	1400						
	4	1200	450		9.5	146	129		40	1350	1350						
	3	1200	450		8	132	110		64	1550	1550						
	4	1200	450		10	145	128		40	1450	1450						
	3	1200	450		8	136	114		62	1650	1650						
	4	1200	450		9.5	148	131		40	1650	1650						

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		PERCENT OF SLIP	
RUNNING TIME			
DETENTION TIME			
TOTAL REVOLUTIONS			
AVERAGE R.P.M.			
TOTAL MILES BY ENGINE			
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

Machine in operation as before. #3 & #4
 gen. #3 & 4 Bln, #3 & 4 blowers, #3 & 4 L.O. pump, #3 & 4 f.d. wtr.
 pumps, main circ, aux circ, main L.O. pump, L.O. pump, #4
 main cond pump, #3 wtr pump - Time 1515 - tested telegraph @
 1507 - @ 1510 opened Blower & Eng. Top, warming up main eng (jack gear out).
 Standby @ 1535 - F.O.M. Still 8148720 Port 4225480, R.P.M.
 Still 27535420 Port 26514750, WATCH ENGR'S SIGNATURE - E. Retanap

1600-2000 WATCH

PUMP SETTLER FROM #5 P.E.S. D.B. CHANGE & CLEAN #1-2-4-5 F.O. BURNERS.
 UNDERWAY: DEPT @ 1648. MAIN UNIT ON 18 NOZZLES MACH IN OPERATION AS BEFORE
 F.O.M. P. = 4103740 - CONTR. P. = 24561930 BELLS PER BELL BOOK.
 S. = 8918810 - S. = 25490440 SUNSET @ 1817 CLOSE W.T. DOORS.
 F.O.M. P. = 4225450 - CONTR. P. = 26519560 CHANGE F.O. SETTLERS TO PORT
 S. = 8148670 - S. = 27541290 WATCH ENGR'S SIGNATURE - H. Weston

2000-2400 WATCH

Underway 18 Nozzles machinery as before changed checked burners & strainers.
 started distilling to feed tanks at 2040. looked over idle mach. started filling Port #3 tanks
 section #3 started. Made rounds, tests & inspections, pumped bilges. Complied with standing &
 night orders. COMST's INS. 4700.7

Regular underway steaming watch routine.

WATCH ENGR'S SIGNATURE - D. J. Purkett

2400-0400 WATCH

Underway 18 Nozzles - mach in operation as before -
 made routine inspection of mach & mach space - cond.
 normal - pumped water from #5 H. P.E.S. - F.W. sect #3, still -
 F.W. filled #3 port - Complied with COMST's instr. 4700.7 - pumped
 bilges

WATCH ENGR'S SIGNATURE - E. Retanap

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES. MACH. IN OPERATION AS BEFORE. CHANGE &
 CLEAN #4 & 6 F.O. BURNERS. CLEAN F.O. SUCT. STRAINER. #3 & #4 BLRS. SHOW
 EXCESS OF 40 GPG. BLOW #4 BLR. FOR 3HR. CHANGE TO #3. FOR BOTT. BLOW.
 CHANGE M.U.F. TO BOTTOM. TEST D.C. HEATER = .41 - MAIN COND = .41 - ATMOS. DRAIN
 TANK = .41 CONTAMINATED DRAIN TANK = .41. DISCONNECT TEST COOLER, NO LEAK.
 M.U.F. #2 STBD = 1.24
 " " PORT = .23 WATCH ENGR'S SIGNATURE - Herbert Kaisten

0800-1200 WATCH

Underway 18 NOZZLES machinery in operation as before.
 Machinery out of Commission #2 Aux Condensate pump. & #2 Fire pump shifted to outbd.
 Settler 1130, M.U.F. section #2 f. distill to #3 f. M.U.F. Evap. on port boiler 379 ppg.
 started boiler 1700. Made Test & inspections bilges pumped
 Complied with COMST's ins. 4700.7. Blue Tides P&S boilers

Regular underway steaming watch

WATCH ENGR'S SIGNATURE - D. J. Purkett

CHIEF ENGINEER

BOILER WATER READINGS

SECT	PORT
F-1145	F-430
W-2168	W-3892
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PHOS.	PHOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE - D. J. Purkett

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	140		MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	132	134	130	128	
DETENTION TIME								FORWARD L. P. ROTOR BEARING	135	135	129	124	
REVOLUTION COUNTER (END OF WATCH)	2664	2666	2668	2669	2670			AFT. L.P. ROTOR BEARING	132	132	127	122	
TOTAL REVOLUTIONS (FOR WATCH)	21580	21680	21200	14500	8380			HOTTEST GEAR BEARING FORWARD	146	138	143	128	
AVERAGE RPM	89.9	90.3	88.4	60.5	59.9			HOTTEST GEAR BEARING AFT	135	136	133	126	
F.O. METER (END OF WATCH)	1239	1239	1239	1239	1239	1239		AUX. COND. CONDENSATE	134	130	137	126	136
F.O. CONSUMED	2950	2900	2680	1500	1410	730		1ST STAGE FEED WATER HEATER	177	178	173	115	115
MACHINERY PARTICULARS	THROTTLE	420	420	420	420			D. C. FEED WATER HEATER	238	238	238	238	239
	H.P. AHEAD	420	420	420	230			3RD STAGE FEED WATER HEATER	0.8	0.41	0.41	0.41	0.41
	L.P. AHEAD	22	21	17.5	2"			F.O. TO BURNERS	165	145	140	200	155
	VACUUM	27"	27"	27.5	27"	28.5		F. O. BACK PRESSURE					
	L.O. TO TURBINES	12.5	12.5	13	13	14		AIR TO FURNACE	5.5	7.0	4.5	6.0	1.5
	AUX. STEAM	150	150	150	150	145		UPTAKE					
	BACK PRESSURE	9	9	9	9	9		MAIN STEAM	450	450	450	450	430
	GLAND STEAM	0.75	0.5	1.5	1.2	1		SUPER HEAT	725	740	725	685	
	H.P. BLEEDER	60	65	65	—	—		F.O. TO BURNERS	180	180	180	183	185
	I.P. BLEEDER	6	6	6	—	—		F.O. TEMP. IN SETTLING TANKS	122	122	124	124	134
PRESSURES	L.P. BLEEDER	12"	14"	12"	—	—	BOILER PARTICULARS	PORT BOILER UPTAKE	315	310	305	330	275
	STEAM AT THROTTLE	725	740	725	685			STBD. BOILER UPTAKE	310	315	310	SECURED	
	L.P. EXHAUST	125	250	117	126	126		ENGINE ROOM TEMPERATURE	109	102	100	98	97
	CONDENSATE	114	114	110	103	90		FIRE ROOM TEMPERATURE	109	102	100	98	97
	CIRC. WATER IN	88	88	88	86	81		NOZZLES IN USE	18	18	16	Block	Sec.
	CIRC. WATER OUT	96	96	96	90	82		NO. OF BURNERS IN USE	6	6	6	3	2
	L.O. TO COOLERS	127	126	126	119	109		BURNER TIP SIZE	5/55	5/55	5/55	5/55	5/55
	L.O. FROM COOLERS	110	110	110	110	109		CO ₂ PORT BOILER THROTTLE	0.6				
	TEMPERATURE THRUST BEARING	116	118	118	113	—		CO ₂ STBD. BOILER THROTTLE	0.13				
	FORWARD H.P. ROTOR BEARING	124	123	123	118	—		OIL LEVEL MAIN SUMP	1'8"	1'8"	1'8"	1'7"	1'7"
TEMPERATURES							MISCELLANEOUS						

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	136	115		62	1450	1350	240	METER AT NOON	12399810	METER PREVIOUS NOON	12387440	CONSUMED BY METER	12370	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		ON HAND		CONSUMED			
1600 TO 2000	# 4	1200	450		9.5	152	133		40	1400	1300	240	ON HAND AT START OF DAY		RECEIVED DURING DAY		EXPENDED DURING DAY		REMAINING ON BOARD		ON HAND AT START OF DAY		RECEIVED		ON HAND		CONSUMED	
2000 TO 2400	3	1200	450		8	134	112		64	1500	1500	240	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		ON HAND		CONSUMED									
2400 TO 0400	4	1200	450		10	146	127		40	1400	1400	240	ON HAND															
0400 TO 0800	3	1200	450		8	134	113		64	1350	1350	240	CONSUMED															
0800 TO 1200	4	1200	450		9.5	145	126		40	1300	1300	240																
	3	1200	450		8	130	110		64	1350	1350	240																
	4	1200	450		9.5	142	126		40	1350	1350	240																
	3	1200	440		8	132	110		64	1250	1250	240																
	4	1200	440		9.5	144	122		40	1250	1250	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												RUNNING TIME		PERCENT OF SLIP		DETENTION TIME												
												TOTAL REVOLUTIONS		WIND DIRECTION		AVERAGE R.P.M.												
												TOTAL MILES BY ENGINE		STATE OF SEA		TOTAL MILES BY OBSERVATION												
														STATE OF WEATHER														

REMARKS

1200-1600 WATCH

Underway @ 18 knots - mach. in opn as before. Then Eng,
 #3 #4 Bldg, #3 #4 blowers, #3 #4 f.d. pumps, #3 #4 f.o. pumps, #3
 main l.o. pump, #3 main cond. pump, #3 #4 gen, main line, aux line,
 l.o. purifier, #4 wtr pump - lost oil fuel oil press @ 1245, secured same
 and dropped gun lead on "B" board - plant back in service & steaming full
 ahead at 1255 - pumped settlers fr #5 P&S - complied with COMSTS instr.
 4700.7 - pumped bilges - fr wtr out #3 & 4. WATCH ENGR'S SIGNATURE - E. Ratasepi

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES. MACH. IN OPERATION AS BEFORE. BLOW TUBES IN
 #3 & #4 Bldg. CHANGE & CLEAN #3 F.O. BURNER CLEAN F.O. SUET STRAINER BLOW #4
 Bldg. CONT THRU EVAP. Bldg. WATER 0700 = 7.5 GPG. ADD COMP. TO STEADY. START BLOWING #3
 SECURE #4 Bldg. ADD COMPOUND TO #4 Bldg. SUNSET @ 1845 CLOSE W.T. DOORS.

MUF #2 STBD = .83

TANK = 3'-0.

PORT = .83 SUCT ON PORT " = 3'-0

WATCH ENGR'S SIGNATURE - J. H. Hunter

2000-2400 WATCH

Under way 16 Nozzles Machinery as before Reduced speed soon
 18 Nozzles at 2000. h.o.b. Shifted to inbd. F.O. Settler 2005. Renewed sight
 glass at #3 gen. Condenser. Split plant at 2100 went back to single plant operation
 as pin hole leak developed in return line to Condensate Return ring. Pumped bilges
 Complied with Standing & Night orders. & COMSTS Instr. 4700.7 Secured MUF EVAP
 at 2300. 7.3 gpg stand. boiler.

Regular Underway Steaming Watch Routine

WATCH ENGR'S SIGNATURE - D. F. Buckett

2400-0400 WATCH

Slowed to 60 rpm @ 2400 & secured #3 Bldg, #3 blowers, #3
 f.o. serv. pump, #3 f.d. wtr pump - otherwise all other mach.
 in operation as before - made routine inspect. of mach.
 & mach. spaces - cond. normal - pumped settlers fr #9 d & f -
 complied w. COMSTS instr. #4700.7 - pumped bilges - fr wtr
 out & fill on #3 & 4.

WATCH ENGR'S SIGNATURE - E. Ratasepi

0400-0800 WATCH

UNDERWAY ON 60 RPM. MACH. IN OPERATION AS BEFORE 0443 INCREASE SPEED TO 64 RPM
 CLEAN #4 F.O. BURNER. CLEAN SUCT. F.O. STRAINER. SPLIT PLANT 0430.

STRY @ 0556. ARRIVAL @ 0600.

ARRIVAL FOM P- 4138580 CNTR. = 26707190 FIVE @ 0650 FOM = P-4235300 CNTR. 26709030

J- 8154990 " = 27742590 " " S- 8154990 CNTR. 27744420

WATCH ENGR'S SIGNATURE - J. H. Hunter

0800-1200 WATCH

IN PORT AT ANKOR #3 boiler secured, #3 main feed, #3 main F.O. pumps
 are secured. Assured watch with low water in boiler & re heater. Corrected same with water
 from feed bottom. Fireman Watkins was burned while lighting boiler, sent to Sickbay.
 Medical Corpsman called & said they were keeping him for observation. Butler assuming his watch.
 The rest of watch was routine, blew down #3 & vented to Atmos. made rounds tests & inspections
 All conditions normal. Secured MUF EVAP #4 boiler. sal: 7.09.

Regular In Port Steam Watch Routine Officer: Taitque, Fireman: Butler

WATCH ENGR'S SIGNATURE - D. F. Buckett

CHIEF ENGINEER

BOILER WATER READINGS

STBD PORT

HOURS F-1169 HOURS F-454
W-2892 W-2916

AKL AKL

T-AKL T-AKL

SAL. SAL.

PHOS. PEOS.

R.ph R.ph

CHIEF ENGR'S SIGNATURE - J. H. Hunter

REMARKS

1200-1600 WATCH

1600-2000 WATCH

AT ANCHOR. MACHINERY IN OPERATION AS BEFORE. CLEAN #4 BURNER
CLEAN ED. SUCT. STRAINER. ADD COMPOUND #9-15 + SULPHATE TO #1 S.W.

WATCH ENGR'S SIGNATURE

OVER GREEN - EWT. FISHER - 4-PS.

2000-2400 WATCH

Reg. in Port Steaming Watch. C&C burners + strainers Pot. water section
#25 distilling to #3 str. DZAE working on #3 boiler. Lifted No 5 boiler
at 2235. Boosting slowly. P.W.F. From WB TANK Forc. Eng. Run
started MUF EUP at 2300. Sealed Aux Circ. pump crossed overed main circ.
for better Temp. control of Aux's. Aux Circ. pump seems to have restriction in its line.
Routine watch. Comsts 4700.7 + Night + Standing orders complied.
Diler! Taitague Fireman Watkins

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

At anchor as before - mach. in oper. as before - made routine
inspect. of mach. & mach. spaces - cond. norm - pumped inld
settler fr #9 dr - maintaining a head of steam on Blr #3 of 50 to
100 psi - complied with COMSTS instr. 4700.7 - pumped bilges - pot.
wtr. suet on #2 strd - distilling to #3 strd.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

AT ANCHOR. MACH. IN OPERATION AS BEFORE. AT #3 BLR 0500 RAISED PRESS TO 200⁺
CHANGE POTABLE WATER SUCT. TO #3 STRD. #2 P.S. MT. SECURE ENAP @ 0610
CHECK CLOCK WITH BRIDGE 0658. TEST TELE. @ 0703 DISINCHARGE JACKING GEAR @ 0704

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

Assumed watch, Ready for getting under way. machinery in operation as before.
Obso Stdbby. Obol - obol maneuvering as per bell book dept. 0918 Full ahead to 16 NOZZLES.
dept. cnt. 26710280 , Stdbby: cnt. 2670 9340
" FOM 124 04280 " FOM 12404 190

Made rounds pumped bilges. Distilling to feed tank Sal. .42 Pot. water section #3 f.
Made tests & inspections. All normal. R. Boiler. Sal! 4.67 S. Boiler 5.39
Regular underway steaming Watch Routine

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

BOILER WATER READINGS

SEA'D	PORT
HOURS F-1193 W-2716	HOURS F-478 W-2740
AKL	AKL
T-AKL	T-AKL
SAL. 7.06	SAL. 4.9
PHOS.	PHOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
GEN. JOHN POPE		8		QUI NHON		Cham River Bay, VN		P-2		4-30-1967	
WATCH											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
RUNNING TIME											
DETENTION TIME											
REVOLUTION COUNTER (END OF WATCH)											
TOTAL REVOLUTIONS (FOR WATCH)											
AVERAGE RPM											
F.O. METER (END OF WATCH)											
F.O. CONSUMED											
MACHINERY PARTICULARS (CONT'D)											
AFT. H. P. ROTOR BEARING											
FORWARD L. P. ROTOR BEARING											
AFT. L. P. ROTOR BEARING											
HOTTEST GEAR BEARING FORWARD											
HOTTEST GEAR BEARING AFT											
AUX. COND. CONDENSATE											
1ST STAGE FEED WATER HEATER											
D. C. FEED WATER HEATER											
3RD STAGE FEED WATER HEATER											
F.O. TO BURNERS											
F. O. BACK PRESSURE											
AIR TO FURNACE											
UPTAKE											
MAIN STEAM											
SUPER HEAT											
F.O. TO BURNERS											
F.O. TEMP. IN SETTLING TANKS											
PORT BOILER UPTAKE											
STBD. BOILER UPTAKE											
ENGINE ROOM TEMPERATURE											
FIRE ROOM TEMPERATURE											
NOZZLES IN USE											
NO. OF BURNERS IN USE											
BURNER TIP SIZE											
CO. % PORT BURNER											
CO. % STBD BURNER											
OIL LEVEL MAIN SUMP											
MISCELLANEOUS											
PRESSURES											
THROTTLE											
H.P. AHEAD											
L.P. AHEAD											
VACUUM											
L.O. TO TURBINES											
AUX. STEAM											
BACK PRESSURE											
GLAND STEAM											
H.P. BLEEDER											
I.P. BLEEDER											
L.P. BLEEDER											
STEAM AT THROTTLE											
L.P. EXHAUST											
CONDENSATE											
CIRC. WATER IN											
CIRC. WATER OUT											
L.O. TO COOLERS											
L.O. FROM COOLERS											
TEMPERATURE THRUST BEARING											
FORWARD H.P. ROTOR BEARING											

GENERATORS											
WATCH											
GENERATOR NUMBER											
R.P.M.											
STEAM PRESSURE											
STEAM TEMP.											
L.O. PRESSURE											
L.O. TO COOLER											
L.O. FROM COOLER											
TEMP. OF HOTTEST BEARING											
L.O. GOVERNOR PRESSURE											
AMPS POSITIVE											
AMPS NEGATIVE											
VOLTS											
FUEL 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											
CONSUMED											
DOMESTIC WATER											
ON HAND AT START OF DAY											
EVAPORATED OR RECEIVED											
ON HAND											
CONSUMED											
LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)											
L.O. CENTRIFUGE - HOURS OPERATED											
1200 TO 1600											
1600 TO 2000											
2000 TO 2400											
2400 TO 0400											
0400 TO 0800											
0800 TO 1200											
SUMMARY											
RUNNING TIME											
DETENTION TIME											
TOTAL REVOLUTIONS											
AVERAGE R.P.M.											
TOTAL MILES BY ENGINE											
TOTAL MILES BY OBSERVATION											
PERCENT OF SLIP											
BBL FUEL/MI											
WIND DIRECTION											
STATE OF SEA											
STATE OF WEATHER											

Oct 26749000 S ch. 27786180 for P 4246110 for S 8162920

1542 arrival to 60 rpm 4H @ 1542. REMARKS Set Spl. see detail @ 1542.

1200-1600 WATCH

Underway on 16 nozzles - mach. in oper. as follows: #3#4
Blw, #3#4 blower, #3#4 f.o. serv. pumps, #3#4 fd wtr. pumps, mch.
L.O. pump, L.O. purifier, #3 mch. cond pump, #3#4 gen, aux. cond
pump, mch. circ, aux. circ, #4 fr wtr pump - filled settlers fr. #9 d-
settler soundings P.O. 24'7", P.I. 9'0", S.L. 10'11", S.D. 10'7" - fr wtr
suct #3P, fr wtr fill 3 & - complied with COMSTS instr. 4700.7 -
pumped bilges Stby @ 1530 to 72 pm.

WATCH ENGR'S SIGNATURE-

E. Rataup

1600-2000 WATCH

ARRIVING IN PORT. BELLS PER BELL BOOK. MACH. IN OPERATION AS BEFORE.

STBY + ARRIVAL @ 1542. CHANGE F.C. BURNERS. #1-3-5-2-4-6. BUMP BILGES TO SAFE LEVEL.

FOM. P. 4246110 - CNTR P = 26749000 FWE @ 1645-FOM P = 4246510 CNTR P = 26751130

" S - 8162920 - CNTR S = 27786180

FOMS = 8163130 " S = 27788160

1st ASST. CHECK CLEARANCES ON MAIN UNIT AS FOLLOWS: L.P. = .120 @ 40 RPM. - H.P. = .050 @ 40 R.P.M. AHEAD.

L.P. = .095 @ + H.P. = .050 @ + ASTERN. CHECKED ESCAPE HATCH IN S. ALLEY CLOSED TO OUTSIDE. LOCK

STEERING ENG. RM. - #3 BLR. BOTT. BLOW THRU. M.U. EVAP.

WATCH ENGR'S SIGNATURE-

N. Kristen

2000-2400 WATCH

Feed. Tracet w/tech Routine #2 checker jacking gear engaged
Wt. Doors closed. Aux. Condensate pump + circ. pump + Air ejector; main #3 condensate & circ. pumps. L.O. purifier
L.O. pump otherwise machinery as before. Made rounds, tests & inspections. Secured MUF Evap @ 2230.
distill to #2 p.t.s Feed Traks. Fw. Section on #3 stbd. Condensate & Feed water
Traks chlorides: .41 Stdb. boilers 4.49 gpg. bilges at safe level, Computed #3 boiler.
Inport Steaming w/tech Routine.

Oiler Taitaque, Fireman Watkins

WATCH ENGR'S SIGNATURE-

D.L. Puckett

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

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

CHIEF ENGR'S SIGNATURE-