ENGINE ROOM LOG

GEARED TURBINE DRIVE

USNS Sen John Rope (AP 116)

FROM 3 APRIL 19 67 0000 TO 30 APRIL 19 67 2400

MSTS FORM 9410-1 (REV. 12-54)

INSTRUCTIONS

1. The entries in this book will be made neatly and legibly by the engineer or other person directly in charge of the machinery of the vessel, and with pen and ink or indelible pencil. No erasures nor the removal of any leaves will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or indelible pencil and writing in the correct data, followed by the initials of the person making the change. The greatest care shall be used in keeping the log book to insure absolute accuracy in all particulars.

2. All entries of time shall be made on the 24-hour basis, noon to noon.

3. Under the heading "Remarks" a careful, detailed record of the events occurring daily in the engine department shall be entered in the log book, together with notation of any violation of orders or regulations. Remarks should be preceded by the time when pertaining to important tests, casualties, injuries, etc.

4. Entries regarding the following shall also be made when occurring:

(a) Repairs, cleaning, and painting, including machinery outside the engine spaces.

(b) Faulty or erratic operation or failure of machinery.

(c) Any important changes in machinery of any nature, or additions thereto.

(d) Remetalling of bearings; fitting new piston rings; reboring cylinders; renewing pump parts, metallic packing, important valves, propeller, shafting, stern bearing, zinc protection bars and rings outboard, strainers, etc.; data to show in all cases exactly what parts have been attended to or repaired, material or article used and reasons.

(e) Pumping of bilges.

(f) Blowing of tubes.

(g) Examining holding down bolts.

(h) Fuel and water taken aboard. The fuel account shall be carefully kept and the quantity consumed each day accurately ascertained.

(i) Grade and quality of fuel oil and lubricating oil used; also type of filtering and cleaning elements installed in both fuel and lube oil lines; results obtained from use thereof.

(j) Record of special tests ordered made.

(k) Defects in supplies received.

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

5. In twin screw vessels when both engines are in the same engine space, alternate pages will be used for recording the readings from the starboard machinery, the other pages being used for the port machinery. In such cases, each sheet of the log book will bear the notation either "Port Machinery" or "Starboard Machinery." In the event that the machinery for each propeller is in a separate engine room, two books shall be utilized and each page of each such book shall be properly marked to indicate to which engine room it applies. For such ships, in addition to individual fuel, water, and lube oil summaries, the sheets covering the control engine room shall carry a consolidated figure reflecting the status of these materials for both machinery spaces.

6. The log books shall be retained on board unless required temporarily by the administrative commander and destroyed when three years old.

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
	9A				3 April 1967

			WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
		RUNNING TIME						70
		DETENTION TIME						
		REVOLUTION COUNTER (END OF WATCH)						2338 3500
		TOTAL REVOLUTIONS (FOR WATCH)						5600
		AVERAGE RPM						80
		F.O. METER (END OF WATCH)			1139 [illegible]40	1140 1860		1140 4270
		F.O. CONSUMED				1920		2418
MACHINERY PARTICULARS	PRESSURES	THROTTLE						
		H.P. AHEAD						
		L.P. AHEAD						
		VACUUM				26	25.9	
		L.O. TO TURBINES				125	125	
		AUX. STEAM				150	150	
		BACK PRESSURE				10	10	
		GLAND STEAM				3	3	
		H.P. BLEEDER						
		I.P. BLEEDER						
		L.P. BLEEDER						
	TEMPERATURES	STEAM AT THROTTLE						
		L.P. EXHAUST				120	115	
		CONDENSATE				70	68	
		CIRC. WATER IN				57	57	
		CIRC. WATER OUT				59	59	
		L.O. TO COOLERS				105	104	
		L.O. FROM COOLERS				105	104	
		TEMPERATURE THRUST BEARING						
		FORWARD H.P. ROTOR BEARING						

Various Maneuvering

			WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING						
		FORWARD L. P. ROTOR BEARING						
		AFT. L.P. ROTOR BEARING						
		HOTTEST GEAR BEARING FORWARD						
		HOTTEST GEAR BEARING AFT						
		AUX. COND. CONDENSATE				88		
		1ST STAGE FEED WATER HEATER				93		
		D. C. FEED WATER HEATER				240	240	
		3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS	TEMPERATURES	F.O. TO BURNERS				190	190	
		F. O. BACK PRESSURE						
		AIR TO FURNACE				1.0	[illegible]	
		UPTAKE				10	[illegible]	
		MAIN STEAM				450	450	
		SUPER HEAT				610	610	
	PRESSURES	F.O. TO BURNERS				190	190	
		F.O. TEMP. IN SETTLING TANKS				120 / 120		
		PORT BOILER UPTAKE				290	290	
		STBD. BOILER UPTAKE				290	290	
MISCELLANEOUS		ENGINE ROOM TEMPERATURE						
		FIRE ROOM TEMPERATURE				62	61	
		NOZZLES IN USE						
		NO. OF BURNERS IN USE				2	2	
		BURNER TIP SIZE				53/60	53/60	
		CO_2 % PORT BOILER						
		CO_2 % STBD. BOILER						
		OIL LEVEL MAIN SUMP						

Various Maneuvering

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400	1	1200	440	610	9	120	110		63	1000	1000	240
	2	1200	448	616	7	123	107		63	620	600	240
0400 TO 0800	1	1200	440	600	9	120	110		63	1000	1000	240
	2	1200	440	600	7	123	107		63	1000	1000	240
0800 TO 1200	1	1200	440		9	120	110		63	800	800	240
	2	1200	440		7	122	110		65	800	800	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1404270	BOILER WATER	ON HAND AT START OF DAY	195
	METER PREVIOUS NOON	1398850		EVAPORATED OR RECEIVED	-0-
	CONSUMED BY METER	5420		ON HAND	180
	ON HAND AT START OF DAY	10,091		CONSUMED	15
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	2100
	EXPENDED DURING DAY	180		RECEIVED	-0-
	REMAINING ON BOARD	9,911		ON HAND	2095
DOMESTIC WATER	ON HAND AT START OF DAY	960		CONSUMED	5
	EVAPORATED OR RECEIVED	-0-			1208
	ON HAND	920			1205
	CONSUMED	70			3

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
			4		

SUMMARY

RUNNING TIME	90	PERCENT OF SLIP	-0-
DETENTION TIME	-0-	BBL FUEL/MI	
TOTAL REVOLUTIONS	FNC 6,455 ~~7,350~~	WIND DIRECTION	
AVERAGE R.P.M.	92.2	STATE OF SEA	
TOTAL MILES BY ENGINE	24	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	24		

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

At Beginning of Watch Following in Operation #1 Boiler #1 F.O. Svc Pump #1 F.D. Blower #1 + 2 Turbo Gen #1 Mn Cond Pump #2 Air Comp #1 F.W. Pump, M.U. Evap. Aux Circ. Aux Air Ejector Received Permission To Roll #1 + 2 Main Units By Jacking Gear @ 2350. Oiled Pot Wicks in Stbd Spring Bearings. Started L.O. Circ To Mn Unit @ 2335. Started L.O. Purifier @ 2352. Start Jacking Gear #1 @ 2355. Sec #1 Mn Cond Pump Start Aux Cond Pump @ 0010 Start #2 Mn Cond Pump At 0020 Stm To Gland Seal + Air Eject @ 0025 To Raise Vacuum on Mn Unit. Watkins Not Relieved By Morgan Until 0100 As Morgan Was In Aft Eng Room For Light Off of [illegible] McBurney Called Out Jr Engr To Fire Aft + Sent Morgan Fwd At 0100 Continued To Raise Stm On #2 Boiler 250# At 0400

Oiler Buar Fwt McGinnis Reefer Mark V

WATCH ENGR'S SIGNATURE- [signature]

0400-0800 WATCH

Put Aux Exhaust To Main. Secured M.U. Evap @ 0540 Dist. D.B. Full. Changed + Cleaned FO Disch Strainers @ 0445. Lit Off 1st Stage Mn Air Eject @ 0625 Split Elect Load With Aft Plant @ 0630 10 Jacking ~~#2 Gen @~~ - W.A. #1 Blr On Line @ 0700 Put Stm To M.N. Unit @ 0715

Oiler Morris Fwt McGinnis Reefer Lynch

WATCH ENGR'S SIGNATURE- [signature]

0800-1200 WATCH

Departing port of [illegible] - Maneuvering bells as per bell book

@ 1045 [illegible] Throttle valve closed @ 1049 [illegible]

@ 1013 Port Steering Motor Casualty @ 1013 [illegible] @ 1126 Secure Steering Casualty Drill. @ 1126 [illegible] Made Rounds + Insp of Mach + Engine spaces bilges at safe level, Comp With Comstu 4700-7

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER 2400-0400 Hrs Meter Reading Due To Racing Open Most of Watch. [illegible]

Stbd	Port		
F 8.76	7.59	@ Stby - 0832	Dep @ 1030
M 11.68	9.93	Ctr - 25372110	Ctr -
Cl 3.31	3.73	P Fom - 7381720	P Fom - 7382110
PO^4 40	40	S Fom - 4021220	S Fom - 4021490
SO^3 25	~~20~~		
Ph Cond 7.6	~~40~~ LW		
Hours Evaporator 1091	12		

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-14	8 A			P2-SE2-R2	4-3-4-67

	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	195
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2540 3880	2541 5490	2543 2500	2544 7290	2545 1730	2547 3200
TOTAL REVOLUTIONS (FOR WATCH)	20380	14110	14510	14790	14480	11430
AVERAGE RPM	84.9	57.9	60.4	61.6	60.1	58.8
F.O. METER (END OF WATCH)	1140 6200	1140 7430	1140 8620	1140 9880	1141 1140	1141 2420
F.O. CONSUMED	1930	1230	1290	1260	1260	1280
MACHINERY PARTICULARS — PRESSURES — THROTTLE	435	440	440	440	440	440
H.P. AHEAD	100	190	190	200	190	190
L.P. AHEAD	5"	[illegible]	6"	6"	[illegible]	6"
VACUUM	29"	[illegible]	29	29"	29"	29"
L.O. TO TURBINES	12	12.4	12	12	12	12
AUX. STEAM	150	152	150	150	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3	1.3	1.0	1.0	1.0	1.0
H.P. BLEEDER	—					
I.P. BLEEDER	—	—				
L.P. BLEEDER	15"	15"	15"		15"	15"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	650	670	620	600	625	620
L.P. EXHAUST	100	70	70	70	68	68
CONDENSATE	96	72	73	64	72	72
CIRC. WATER IN	58	58	58	57	57	58
CIRC. WATER OUT	68	68	60	60	60	68
L.O. TO COOLERS	123	120	121	122	120	130
L.O. FROM COOLERS	109	110	110	110	110	112
TEMPERATURE THRUST BEARING	112	115	116	117	115	115
FORWARD H.P. ROTOR BEARING	118	118	118	115	116	110

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D) — AFT. H. P. ROTOR BEARING	115	125	126	126	126	126
FORWARD L. P. ROTOR BEARING	120	124	124	126	124	120
AFT. L.P. ROTOR BEARING	116	122	122	125	124	122
HOTTEST GEAR BEARING FORWARD	125	123	124	130	125	134
HOTTEST GEAR BEARING AFT	126		121	151	125	126
AUX. COND. CONDENSATE	76	80	78	84	84	84
1ST STAGE FEED WATER HEATER	106	104	102	104	104	104
D. C. FEED WATER HEATER	238	238	238	240	240	240
3RD STAGE FEED WATER HEATER	050 100	—	—	—		
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS	190 190	190 190	190 190	190 190	190 190	190 190
F. O. BACK PRESSURE	12 12		12 12	10 10		12
PRESSURE AIR TO FURNACE	50 52	1.0 1.0	1.0 1.0	1.5 1.2	1.2 1.2	1.4 1.4
UPTAKE	330 325	300 300	300 300	300 300	300 300	280 290
MAIN STEAM	650	640	620	600	625	620
BOILER PARTICULARS — PRESSURES — SUPER HEAT	435	440	440	440	440	440
F.O. TO BURNERS	200	175	175	175	175	180
F.O. TEMP. IN SETTLING TANKS	105 105	105 115	105 120	105 120	120 120	104 115
PORT BOILER UPTAKE	650		~~62~~			
STBD. BOILER UPTAKE	660		—			
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	70	68	66	71	73	74
FIRE ROOM TEMPERATURE	70	68	66	71	73	74
NOZZLES IN USE	10	10	10	10	10	10
NO. OF BURNERS IN USE	4	4	4	4	4	4
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'0	1'0"	1'0"	1'0	1'0"	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	650	9	120	110		62	800	800	235
	2	1200	440	650	7	122	110		62	850	850	235
1600 TO 2000	1	1200	440	640	9	[illegible]	[illegible]		62	700	700	235
	2	1200	440	640	7	[illegible]	110		62	850	850	235
2000 TO 2400	1	1200	440	620	9	120	110		62	800	800	235
	2	1200	440	620	7	122	110		62	800	800	235
2400 TO 0400	1	1200	440	600	9	120	110		62	800	800	235
	2	1200	440	600	7	122	110		62	800	800	235
0400 TO 0800	1	1200	440	625	9	117	108		62	1000	1000	235
	2	1200	440	625	7	124	109		63	900	900	235
0800 TO 1200	1	1200	440	620	9	117	108		62	900	900	235
	2	1200	440	620	7	124	109		62	900	900	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1141/2420
	METER PREVIOUS NOON	1139/8850
	CONSUMED BY METER	13570
	ON HAND AT START OF DAY	9910
	RECEIVED DURING DAY	—0—
	EXPENDED DURING DAY	370
	REMAINING ON BOARD	9,541
DOMESTIC WATER	ON HAND AT START OF DAY	920
	EVAPORATED OR RECEIVED	—0—
	ON HAND	890
	CONSUMED	30

BOILER WATER	ON HAND AT START OF DAY	180
	EVAPORATED OR RECEIVED	60
	ON HAND	210
	CONSUMED	30
LUBE OIL	ON HAND AT START OF DAY	2055
	RECEIVED	—0—
	ON HAND	2090
	CONSUMED	5
		1205
		1203
		2

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

4 4 4

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	1380	PERCENT OF SLIP	
DETENTION TIME	—0—	BBL FUEL/MI	
TOTAL REVOLUTIONS	91,805	WIND DIRECTION	
AVERAGE R.P.M.	66.5	STATE OF SEA	
TOTAL MILES BY ENGINE	342	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
UNDERWAY ON 18 NOZZ MACH IN OPERATION AS BEFORE. PUMPED UP PORT SETTLERS FROM #4 DEEP. VARIOUS DRILLS WERE CONDUCTED FOR PHRASE III TRAINING. COLLISION & FIRE DRILL SIMULATED MAJOR F.O. FIRE IN E.R. USED 10 GALS OF MECHANICAL FOAM. PRACTICE SECURING MAIN PLANT & STARTING SAME. REDUCED SPEED TO 20 RPM B/O O/E DUE TO HOT LINE SHAFT BEARING @1405 BRIDGE NOTIFIED. ENG'S CASUALTY DRILLS. FIRE IN BOILER CASING. Bilges. POWER FAILURE ON MN COND PUMP. STEERING CASUALTY DRILL @1444 SECURED. STBY FOR ALL DRILLS. Reduced Speed to 60 RPM B/O OE @1452 Bridge Notified

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Machinery In operation As Before Changed & Cleaned F.O. Burner + Strainer PUMPING BALLAST FROM #4 D.B. @1900 TO 2020. Held ENG CASUALTY DRILL Simulated Securing #2 Boiler + Changed over from #1 to #2 Main Cond. Pump. Blew Tubes on #1 + #2 Boilers @ 1600. Stby @ 1616 Steering Casualty Drill UH @ 1624. Lit off M.U.F. Evap. @ 1600. Complied with Comsts 4700-7. Pumped #4 hold + Eng. Rm Bilges.

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH
Underway Steaming 60 RPM. Machinery in operation as before, Cleaned + Changed F.O. Disch Strainers P+S, pumped Cargo holds. Eng Bilges at Safe level, Made Rounds + Insp of Mech + Eng spaces, Comp with Comsts 4700-7

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH
UNDERWAY 60 RPM MACH IN OPERATION AS BEFORE CHANGED & CLEANED CENTER F.O. BURNERS & P/S disch STRAINERS. PUMPED UP PORT SETTLERS FROM #4 DEEP. DAILY TEST OF STBY L.O. PUMP. FLUSHED & PUMPED BILGES. INSPECTED & CLEANED MAIN L.O. disch STRAINER. CHECKED STEERING E.R. GEAR. MADE ROUTINE ROUNDS ON MACH & ENG'S SPACES. COMPLIED WITH COMSTS 4700-7

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Underway 60 RPM machinery IN operation AS Before Check Steering Gear. Changed & Cleaned F.O. Burner + Suction Strainer. Pumped Bilges.

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH
Underway Steaming 60 RPM. Machinery in operation as before, 0820 to 0830 Blew tubes #1+2 Boilers 0835 - Stby High line Drill, 0837 - Low water in #1 Boiler Casualty Drill. 0848 Main Circulator Motor Failure Casualty Drill, 0901 Secured from High line Drill 0901 UH 60 RPM, 0942 Stby for NBC Drill @ 1055 Secure From NBC Drill @ 1055 Stby for maneuvering Speeds, @ 1100 arrived. Made Rounds + Insp of Mech + Eng spaces Comp with Comsts 4700-7

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

Stby 1055 - arrived 1100 - FWE
Cts 25473200
P Fcm 7381020
S Fcm 4025150

Stbd	Port
P 8.76	7.59
m 11.68	9.93
OL 4.14	3.73
PO^4 30	40
SO^3 15	10
Ph cond. 8.0 1Ht	
HB.F Side 1115	36

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TRANS	8 A			PS-52-K2	4-4-5-67

	WATCH 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)	1141 3590	1141 3690				
F.O. CONSUMED	1170	100				
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440					
H.P. AHEAD						
L.P. AHEAD						
VACUUM	29"					
L.O. TO TURBINES	12					
AUX. STEAM	150					
BACK PRESSURE	9					
GLAND STEAM	2.0					
H.P. BLEEDER	–					
I.P. BLEEDER	–					
L.P. BLEEDER	–					
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	–					
L.P. EXHAUST	180					
CONDENSATE	70					
CIRC. WATER IN	57					
CIRC. WATER OUT	59					
L.O. TO COOLERS	118					
L.O. FROM COOLERS	110					
TEMPERATURE THRUST BEARING	112					
FORWARD H.P. ROTOR BEARING	109					

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING	120					
FORWARD L. P. ROTOR BEARING	125					
AFT. L.P. ROTOR BEARING	113					
HOTTEST GEAR BEARING FORWARD	112					
HOTTEST GEAR BEARING AFT	108					
AUX. COND. CONDENSATE	82					
1ST STAGE FEED WATER HEATER	86					
D. C. FEED WATER HEATER	240					
3RD STAGE FEED WATER HEATER	050 / 100					
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	170 / 170					
F. O. BACK PRESSURE	16 / 10					
AIR TO FURNACE	1.5 / 1.2					
UPTAKE	295 / 300					
MAIN STEAM	600					
BOILER PARTICULARS – PRESSURES – SUPER HEAT	440					
F.O. TO BURNERS	160 / 170					
F.O. TEMP. IN SETTLING TANKS	116 / 105					
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	75					
FIRE ROOM TEMPERATURE	75					
NOZZLES IN USE	–					
NO. OF BURNERS IN USE	4					
BURNER TIP SIZE	5½ / 60					
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1.0					

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	600	9	120	110		62	800	700	235
	2	1200	440	600	7	126	113		62	750	750	235
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1141369	BOILER WATER	ON HAND AT START OF DAY	210
	METER PREVIOUS NOON	1141212.0		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	1370		ON HAND	
	ON HAND AT START OF DAY	9,541		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	2050
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	890		CONSUMED	
	EVAPORATED OR RECEIVED				1203
	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
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 Maneuvering Manovbd drill @1310½ Stby @[illegible]10 Sec @ Boat drill @1352 AT ANCHOR. Secured From Boat drill @1502. Bells As per Bell Book. Pumped Bilges. Checked Steering E.R. Gear Secured #1 L.P. Evap@1330 Made Routine Rounds on Mach & Engs spaces. Complied With COMSTS 4700.7

WATCH ENGR'S SIGNATURE- Henry Bunney

1600-2000 WATCH

Maneuvering watch FWE @ 1557 Ctr. 25484119 Fcon. P. 2337840 S-4625830 Bells As Per Bell Book. Sec. Plant @ 1615 machinery in operation L.O. Pump. main unit on Jacking Gear MN. Circ. Pump Aux. Circ. pump #1 Fire Pump #1 F.W. Pump.

2000 Plant secured as above. Boilers 90° L.P. Exh. 165°

Chet Lawney R/E

WATCH ENGR'S SIGNATURE- F. [illegible]

2000-2400 WATCH

Port Relief Watch. Plant secured as left. At close of watch stm. drums 50# each. L.P -150# Bilges satisfactory.

WATCH ENGR'S SIGNATURE- Chet Lawney R/E

2400-0400 WATCH

Secured Jacking Gear + L.O. Circ Pump @0300

Vented #1 + 2 Boiler Drums @ 0310

Closed All Drains to #1 Atmos Drain Tank Also Topside Drain Return Bypass.

WATCH ENGR'S SIGNATURE- [illegible] 4/E

0400-0800 WATCH

Plant Secured.

Secured Mn. Circ Pump.

WATCH ENGR'S SIGNATURE- [illegible] 4/E

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

	Stbd	Port
P		
m		
CL		
PO4		
SO3		
Ph. cond.		
HB F'sde	1139	40

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
	8A				2/6-67

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)						
F.O. CONSUMED						
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
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						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE						
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE						
BURNER TIP SIZE						
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL / MAIN SUMP						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	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		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	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		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 Plant Secured Fresh Water pump in operation [illegible] [illegible] [illegible] [illegible] [illegible] in [illegible] hourly

WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH Port Relief Watch. Plant secured. No 1 F&S Pump & No 1 F.W. in service. No 1 Air Compr on stdby. Bilge satisfactory.

WATCH ENGR'S SIGNATURE- [signature]

2000-2400 WATCH Port Relief Watch. Same as above. Pumped bilge down.

WATCH ENGR'S SIGNATURE- [signature]

2400-0400 WATCH Plant Secured

WATCH ENGR'S SIGNATURE- [signature]

0400-0800 WATCH Plant Secured

WATCH ENGR'S SIGNATURE- [signature]

0800-1200 WATCH Plant Secured
Bilges at safe level all conditions normal. routine check of spaces hourly

WATCH ENGR'S SIGNATURE- [signature]

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
	8A				4-6/7-67

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)						
F.O. CONSUMED						
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
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						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE						
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE						
BURNER TIP SIZE						
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	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		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	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		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

Plant secured. Fresh water pump in service. Running normally. Bilges at safe level.

WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH

Port Relief Watch. Plant secured. Bilge satisfactory. Fire Pump & F.W. Pump running. Air Compressor on stdby.

WATCH ENGR'S SIGNATURE- [illegible] R/E

2000-2400 WATCH

Port Relief Watch. Plant secured as before. Bilge at safe level.

WATCH ENGR'S SIGNATURE- [illegible] R/E

2400-0400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH

Plant Secured.

WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH

PLANT SECURED

CHEIF ENGR. CHECKED MAIN REDUCTION GEARS WITH MR. CATRON PORT ENGR. TO SATIFACTORY

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

Received 7268 BBLS Fuel Oil Bunker #6

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
	8 A				1-7/8 67

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)						
F.O. CONSUMED						
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
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						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE						
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE						
BURNER TIP SIZE						
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	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		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	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		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

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH
Port Relief Watch. Plant secured as before. F&S pump & F.W. Pump running. Air Compr on Stdby. Dry & D.B. Bilge satisfactory

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH
Port Relief Watch. Plant secured as before. Pumped bilge down.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH
Plant Dead

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH
Plant Secured

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH
Plant Inactive.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
	8 A				4-8/9-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)						
F.O. CONSUMED						
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
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						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE						
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE						
BURNER TIP SIZE						
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	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		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	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		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. Plant secured with No. 1 F.P. & F.W. Pump in serv. Air Compr. on Stdby. Bilge satisfactory. Fwd. drains to D.B. Res Pd. with aft M.C. or sump. Bilge satisfactory.

WATCH ENGR'S SIGNATURE- [illegible] R/E

1600-2000 WATCH

Port Relief Watch. Plant as before. Bilge satisfactory

WATCH ENGR'S SIGNATURE- [illegible] R/E

2000-2400 WATCH

Port Relief Watch. Plant secured. Bilge satisfactory

WATCH ENGR'S SIGNATURE- [illegible] R/E

2400-0400 WATCH

Plant Dead

WATCH ENGR'S SIGNATURE- [illegible] R/E

0400-0800 WATCH

Plant Dead

WATCH ENGR'S SIGNATURE- [illegible] R/E

0800-1200 WATCH

Plant Dead.

WATCH ENGR'S SIGNATURE- [illegible] R/E

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
	8 A				4-9/12-67

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)						
F.O. CONSUMED						
MACHINERY PARTICULARS – PRESSURES: THROTTLE						
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						
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES: SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS: ENGINE ROOM TEMPERATURE						
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE						
BURNER TIP SIZE						
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	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		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	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		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. Plant secured as before with No. 1 F&S Pump and F.W. Pump in service. Air Compr. on stdby. Mtg Drains to Res. Fo. M.U. (aft) from Res. Fo. Tk. M&R working on No. 2 Elec. Fd. Pump. Bilge satisfactory.

WATCH ENGR'S SIGNATURE- Robt Lowrey R/E

1600-2000 WATCH Port Relief Watch. Plant secured as before. Condition satisfactory. M&R Secured.

WATCH ENGR'S SIGNATURE- Robt Lowrey R/E

2000-2400 WATCH Port Relief Watch. Same as before. Bilge satisfactory.

WATCH ENGR'S SIGNATURE- Robt Lowrey R/E

2400-0400 WATCH Plant Secured

WATCH ENGR'S SIGNATURE- W. [illegible] R/E

0400-0800 WATCH Plant Secured.

WATCH ENGR'S SIGNATURE- W. [illegible] R/E

0800-1200 WATCH PLANT SECURED

WATCH ENGR'S SIGNATURE- [illegible] Karsten

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-[illegible]	8A	[illegible]		[illegible]	4-10/11-67

	WATCH 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)					1141 4410	1141 5380
F.O. CONSUMED						
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES					12	
AUX. STEAM					150	
BACK PRESSURE					9	
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER					236	
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS					190	
F. O. BACK PRESSURE						
AIR TO FURNACE					1.0	
UPTAKE						
MAIN STEAM					630	
BOILER PARTICULARS – PRESSURES – SUPER HEAT					440	
F.O. TO BURNERS					160	
F.O. TEMP. IN SETTLING TANKS					80/110	
PORT BOILER UPTAKE					—	
STBD. BOILER UPTAKE					290	
MISCELLANEOUS – ENGINE ROOM TEMPERATURE					76	
FIRE ROOM TEMPERATURE					76	
NOZZLES IN USE						
NO. OF BURNERS IN USE					1	
BURNER TIP SIZE					53/cc	
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800	1	1200	440	630	10	118	110		62			
	2	1200	440	630	8	120	110		63			
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1141/5380	BOILER WATER – ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1141/4410	EVAPORATED OR RECEIVED	
	CONSUMED BY METER	970	ON HAND	203
	ON HAND AT START OF DAY		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL – ON HAND AT START OF DAY	
	EXPENDED DURING DAY		RECEIVED	
	REMAINING ON BOARD	16,334	ON HAND	2056
DOMESTIC WATER	ON HAND AT START OF DAY		CONSUMED	
	EVAPORATED OR RECEIVED			
	ON HAND	1150	on hand	1185
	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	

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

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH PORT RELIEF WATCH. Little time for this ER tonight. Scanned it once. Bilge not bad but not dry. No time to pump as both Oiler and me have a good load wit everything on by-pass. aft.

WATCH ENGR'S SIGNATURE- Rick Lowrey R/E

2000-2400 WATCH PORT RELIEF WATCH. Plant as before. Not too much water in bilge.

WATCH ENGR'S SIGNATURE- Rick Lowrey R/E

2400-0400 WATCH Lit off #1 & #2 Boilers @ 0030. Sec. Same Repaired Leaking Gasket on 150 lbs. Line. Lit off ~~Same~~ LH #1 & #2 Blr. @ 0200 #1 Boiler on Line @ 0400 Sec. #2 Boiler Started L.O. Purifier.

WATCH ENGR'S SIGNATURE- L. Harris

0400-0800 WATCH Port watch Lit off #1 & #2 S.S. Gen's. @ 0430. Same Idling. #1 Elect. Blr. feed Pump on Line. Jacking Gear Engaged @ 0645.

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH In port. Lighting off & bringing up vacuum on main unit. 0[illegible] put #2 Boiler on line, 0910 put #1 + 2 Generators on line split load, 0830 relief Clearance from Mate on watch. 1015 to 1020 Roll Main Engine by steam to test throttle valve, 1020 on Jacking Gear. 1030 Test #2 Main Fuel Pump, Does Not function properly.

[illegible] Oiler [illegible] FWT Edwards

WATCH ENGR'S SIGNATURE- R. Summers

CHIEF ENGINEER

	Port	Stbd.
P	8.76	8.76
m	11.68	11.68
CL	4.14	4.14
PO_4	40	35
SO_3	40	30
1st. Ph. Cond.	8.0	
H.B. F'side	46	1145

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	8-A	Oakland.	OKINAWA	P2-S2-R2	4-11-12-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME			260	260	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)			2553 5720	2554 0,50	2558 4800	2560 7730
TOTAL REVOLUTIONS (FOR WATCH)			24490	24430	24650	22930
AVERAGE RPM			94.2	74.0	93.0	95.5
F.O. METER (END OF WATCH)	1141 6470	1141 9110	1142 2150	1142 5000	1142 7780	1143 0460
F.O. CONSUMED	1090	2640	3040	2850	2780	2680
MACHINERY PARTICULARS — PRESSURES: THROTTLE		440	440	440	440	440
H.P. AHEAD		440	440	440	440	440
L.P. AHEAD		25	25	22	24	23
VACUUM		28.75	28.5	27.0	29.0	28.5
L.O. TO TURBINES		12	12	12	12	12
AUX. STEAM		150	150	150	150	150
BACK PRESSURE	9	10	9	9	9	9
GLAND STEAM	MANEUVERING	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER		70	70	76	70	70
I.P. BLEEDER		6	6	6	6	6
L.P. BLEEDER		9	12	10"	10"	10"
TEMPERATURES: STEAM AT THROTTLE		660	680	675	670	670
L.P. EXHAUST		90	90	89	90	82
CONDENSATE		80	83	78	84	87
CIRC. WATER IN		58	57	55	56	56
CIRC. WATER OUT		70	68	67	70	68
L.O. TO COOLERS		128	128	128	128	128
L.O. FROM COOLERS		112	110	110	110	110
TEMPERATURE THRUST BEARING		114	116	119	118	118
FORWARD H.P. ROTOR BEARING		118	118	118	118	118

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING		137	138	140	140	135
FORWARD L. P. ROTOR BEARING		130	131	133	128	130
AFT. L.P. ROTOR BEARING		128	128	129	128	128
HOTTEST GEAR BEARING FORWARD		152	150	154	150	153
HOTTEST GEAR BEARING AFT		142	140	145	143	143
AUX. COND. CONDENSATE		88	90	88		96
1ST STAGE FEED WATER HEATER		153	154	152	152	154
D. C. FEED WATER HEATER	?	240	240	240	240	240
~~3RD STAGE FEED WATER HEATER~~ ROTER HP / LP		1050 / 100		1050 / 100		
BOILER PARTICULARS — TEMPERATURES: F.O. TO BURNERS	190 / 190	190 / 190	190 / 190	190 / 190	190 / 190	190 / 190
F. O. BACK PRESSURE	12		12	12		12
Pressure AIR TO FURNACE		5.0 / 5.4	5.5	5.0 / 5.2	5.0 / 6.0	5.0 / 5.0
UPTAKE		340 / 350	340 / 360	350 / 360	360 / 370	370 / 370
MAIN STEAM		440	440	440	440	670 ~~440~~
PRESSURES: SUPER HEAT	MANEUVERING	675	680	675		670
F.O. TO BURNERS		190 / 190	190 / 190	175 / 175	190 / 190	190 / 190
F.O. TEMP. IN SETTLING TANKS		90 / 110	90 / 115	100 / 99	100 / 100	95 / 100
PORT BOILER UPTAKE Salinity		.41		.41	.41	.41
STBD. BOILER UPTAKE						
MISCELLANEOUS: ENGINE ROOM TEMPERATURE		72	71	71	72	72
FIRE ROOM TEMPERATURE		72	71	71	72	72
NOZZLES IN USE		18	18	18	18	18
NO. OF BURNERS IN USE		6	6	6	6	6
BURNER TIP SIZE		53/70	53/70	51/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP		1'4"	1'4"	1'4"	1'4"	1'4"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	650	9	120	110		62	500	500	235
	2	1200	440	650	7	122	110		62	500	500	235
1600 TO 2000	1	1200	440	650	9.5	115	110		62	1200	1200	235
2000 TO 2400	1	1200	440	680	9	120	110		62	1200	1150	235
2400 TO 0400	1	1200	440	675	9	120	110		62	1000	1000	235
0400 TO 0800	1	1200	440	670	9	120	110		62	1100	1100	235
0800 TO 1200	1	1200	440	670	9	120	110		62	1100	1100	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	11430460	BOILER WATER	ON HAND AT START OF DAY	203
	METER PREVIOUS NOON	11415380		EVAPORATED OR RECEIVED	29
	CONSUMED BY METER	15,080		ON HAND	206
	ON HAND AT START OF DAY	16,334		CONSUMED	26
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	2055
	EXPENDED DURING DAY	671		RECEIVED	-0-
	REMAINING ON BOARD	15,663		ON HAND	2045
DOMESTIC WATER	ON HAND AT START OF DAY	1150		CONSUMED	10
	EVAPORATED OR RECEIVED	103			1195
	ON HAND	1130			1190
	CONSUMED	123			5

LOW PRESS. EVAPORATORS (No. of hrs. operated) 4⅓ (Fresh water made gals.) 4

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	4⅓	4⅓	4⅓	4

SUMMARY

RUNNING TIME	1260	PERCENT OF SLIP	Pos. 15.4
DETENTION TIME	-0-	BBL FUEL/MI	1.41 / 1.67
TOTAL REVOLUTIONS	R.C. 114,645	WIND DIRECTION	290°
AVERAGE R.P.M.	92.4	STATE OF SEA	Mod
TOTAL MILES BY ENGINE	427	STATE OF WEATHER	90°
TOTAL MILES BY OBSERVATION	361		

REMARKS

1200-1600 WATCH
Post Watch Mach INSPECTION #1+2 Boilers 1+2 FD Blowers 1+2 F.O.S pumps 1 MN FD pumps Stby. Main A.R Compressor. MN + Aux AIR Ejector. MN + Aux Circ pumps. MN + Aux Cond pumps. 1+2 Aux Generators. L.O. purifier. L.O.S. pump. Fire + San pump. Elect F.W. pump. Port Steering Gear. Wheel Clearence From Bridge @1235 M+R Completed Repairs on #2 MN FD pump @1230 Tested + Put on the Line @1230 C/E witness the test. Tested Telegraph @1300 Disengaged Jacking Gear @1300 Open MS. B.S @1301 Started Warming up MN unit @1305. Bells as per Bell Book. Shifted Main Suct to Low. Made Routine Rounds on Mach + Spaces

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Under Way 18 Nozzles Dept. @ 1600 CTR. 25490440 FOM-P-7389220 S-4027540, Bells As Per Bell Book. Sec. #2 S.S. Can. @ 1600 over speed Same Trip @ 1380 RPM, Changed + Cleaned F.O. Burner + Suct. Strainers. Sec. Elect. F.W. Pump. Pumped Bilges

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH
Underway Steaming 18 Nozz, Cleaned + Changed Top Burners #1+2 Boilers Shift + Clean Fo Disch strainers P+S, Shift + Clean LO strainers #1+2 Gen. @2200 Comfirol plant secured aux Circ + aux Cond + Aux air Ejector, Exhaust to Main Cond, pumped bilges Made Rounds + Insp of Mach + Eng spaces. @2300 Secured Make up Evap. , Retarded Ships Clock 20 Min @ 2300 Complied With Comsts 4700-7.

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH
UNDERWAY ON 18 NOZZ MACH AS BEFORE CHANGED + CLEANED CENTER F.O. BURNERS P/S disch STRAINERS Retarded CLOCKS 20 MINS @ 0100 Pumped up Port Settlers From #4 P/S deep TKS. Daily test of Stby L.O. pump. Pumped Bilges Checked Steering E.R. GEAR. Made Routine Rounds on Mach + Engs. Spaces. Complied With Comsts 4700-7

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Underway 18 Nozzles changed + cleaned F.O. Burner + Suct. Strainer. Retarded clock 20 min. @ 0520. Pumped Bilges. Added Compound to Port Boiler, Stbd Boiler on Cont. Blow @ 0415. TO M.U.F. Evap.

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH
Underway, Steaming 18 Nozz. 0800 to 0830 Blew tubes #1+2 Boilers, Shift + Cleaned Top burners #1+2 Boilers, Shift + Clean Fo Disch strainers P+S, Shift + Clean Gen LO. Strainers ~~#1+2~~ #1 Gen. @0915 Shift F.O. Suction to Inboard Settler Pumped Bilges, Made Rounds + Insp of Mach + Eng Spaces. Comp with Comsts 4700-7.

WATCH ENGR'S SIGNATURE- R Summers.

CHIEF ENGINEER
Stby @1350 CTR-25484480 FOM-P-7388620-S-4026920

Port	Stbd.
P 8.76	8.76
M 11.68	11.68
CL 4.14	2.49
PO_4 40	30
SO^2 35	40
Ph. Cond. 8.0	
HB.F.S.do 71	1170

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	8 A	NSC Oakland Calif	Okinawa	P2-S2-R2	4-12-13-67

MACHINERY PARTICULARS

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2563 6650	2565 3440	2567 6610	2569 9910	2572 2800	2574 6120
TOTAL REVOLUTIONS (FOR WATCH)	23100	22810	23170	23300	22890	23320
AVERAGE RPM	96.2	95.0	96.5	97.0	95.3	97.1
F.O. METER (END OF WATCH)	1143 3130	1143 5690	1143 8250	1144 0840	1144 3440	1144 6040
F.O. CONSUMED	2670	2560	2560	2590	2600	2600
PRESSURES						
THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	24	23	23	23	23	24
VACUUM	29"	29"	29"	29"	29"	29"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	10	9	9	10	9
GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER	76	70	70	72	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10"	10"	10"	10"	10"	10"
TEMPERATURES						
STEAM AT THROTTLE	675	675	675	685	675	690
L.P. EXHAUST	94	89	93	91	90	96
CONDENSATE	81	88	86	85	89	92
CIRC. WATER IN	56	58	58	58	58	58
CIRC. WATER OUT	69	70	70	71	71	68
L.O. TO COOLERS	127	128	128	128	130	128
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	118	118	118	118	120	118
FORWARD H.P. ROTOR BEARING	117	118	122	122	124	122

MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D)

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
AFT. H. P. ROTOR BEARING	137	150	137	137	137	136
FORWARD L. P. ROTOR BEARING	131	132	132	132	133	131
AFT. L.P. ROTOR BEARING	129	128	127	128	127	127
HOTTEST GEAR BEARING FORWARD	154	155	153	154	153	155
HOTTEST GEAR BEARING AFT	145	148	146	146	149	145
AUX. COND. CONDENSATE	99	96	96	95	98	100
1ST STAGE FEED WATER HEATER	152	150	150	152	150	152
D. C. FEED WATER HEATER	240	240	238	238	236	240
~~3RD STAGE FEED WATER HEATER~~ ROTOR H.P. / L.P.	.050 / .100	–	–	–		

BOILER PARTICULARS

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
TEMPERATURES						
F.O. TO BURNERS	190/190	190/190	190/190	190/190	190/190	190/190
F. O. BACK PRESSURE	14/14		12	12		12
PRESSURE AIR TO FURNACE	5.0/5.2	5.0/5.1	5.0/5.0	5.0/5.0	5.0/5.0	5.0/5.0
UPTAKE	320/325	312/312	325/330	330/335	330/320	325/315
MAIN STEAM	675	675	625	685	675	690
PRESSURES						
SUPER HEAT	440	440	440	440	440	440
F.O. TO BURNERS	170/185	180/180	180/180	180/180	180/180	180/180
F.O. TEMP. IN SETTLING TANKS	100/95	100/95	95/105	110/102	100/100	100/105
PORT BOILER UPTAKE						
~~STBD. BOILER UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41

MISCELLANEOUS

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
ENGINE ROOM TEMPERATURE	72	70	67	68	67	68
FIRE ROOM TEMPERATURE	72	70	67	68	67	68
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	675	9	118	110		62	1400	1400	235
1600 TO 2000	1	1200	440	675	9	120	110		62	1200	1200	235
2000 TO 2400	1	1200	440	675	9	120	110		62	1150	1150	235
2400 TO 0400	1	1200	440	685	9	120	110		62	1150	1150	235
0400 TO 0800	1	1200	440	675	9	115	110		62	1300	1300	235
0800 TO 1200	1	1200	440	690	9	122	114		62	1350	1350	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1144 6040	BOILER WATER: ON HAND AT START OF DAY	206
	METER PREVIOUS NOON	1143 0460	EVAPORATED OR RECEIVED	10
	CONSUMED BY METER	15,580	ON HAND	176
	ON HAND AT START OF DAY	15,663	CONSUMED	40
	RECEIVED DURING DAY	-0-	LUBE OIL: ON HAND AT START OF DAY	2045
	EXPENDED DURING DAY	685	RECEIVED	-0-
	REMAINING ON BOARD	14,978	ON HAND	2040
DOMESTIC WATER	ON HAND AT START OF DAY	1130	CONSUMED	5
	EVAPORATED OR RECEIVED	173		1190
	ON HAND	1126		1185
	CONSUMED	177		5

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

4 4 4 4

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	~~1600~~	PERCENT OF SLIP	Pos. 13.5
DETENTION TIME	-0-	BBL FUEL/MI	1.36 / 1.57
TOTAL REVOLUTIONS (AVG. RPM)	94.0	WIND DIRECTION	000°
AVERAGE R.P.M. (REVS. TOTAL)	135,310	STATE OF SEA	7' swell
TOTAL MILES BY ENGINE	504	STATE OF WEATHER	58°
TOTAL MILES BY OBSERVATION	436		

REMARKS

1200-1600 WATCH
UNDERWAY ON 18 NOZZ MACH INOPERATION #1&2 BOILERS 1&2 F.D. BLOWERS 1&2 F.O. PUMPS. 1&2 MN. F.D. PUMPS. MN. AIR EJECTOR. MN. CIRC & COND PUMPS. L.O. PURIFIER. L.O. PUMP. FIRE & SAN PUMP. PORT STEERING GEAR. #1 AUX GENERATOR. AUX AIR EJECTOR. CIRC & COND PUMPS OVER TO MAIN. DAILY TEST OF MAIN THRUST. PUMPED UP PORT SETTLERS FROM #4 P/S DEEP TKS. CHANGED & CLEANED CENTER F.O. BURNERS & P/S DISCH STRAINERS. PUMPED BILGES. CHECKED STEERING ER. GEAR. BOAT DRILL @ 1514 SCB @ 1527 STBY @ 1514 ~~LH~~ @ 1527 MADE ROUTINE ROUNDS ON MACH. COMPLIED WITH COMSTS 4700.7

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
UNDERWAY 18 NOZZLES MACHINERY IN OPERATION AS BEFORE BLEW TUBES ON P & S BOILERS @ 1600. CHANGED & CLEANED F.O. BURNERS & SUCT. STRAINERS. ADDED COMPOUND TO STBD BOILERS. PUMPED BILGES. CHECKED STEERING ENG. M.U.F. EXP. ON @ 1700 TO 2000 PORT BOILER ON CONT. BLOW TO SAME. COMPLIED WITH COMSTS 4700.7

WATCH ENGR'S SIGNATURE- F Harris

2000-2400 WATCH
Underway Steaming 18 Nozz, Cleaned & changed top Burners #1&2 Boilers Shift & Clean F.O. Disch strainers P&S, Shift & Clean L.O. Strainer #1 Generator. Pumped Bilges, Checked Steering Eng room, Made Rounds & Insp of Mach & Eng spaces Comp with Comsts 4700-7

WATCH ENGR'S SIGNATURE- R Summers.

2400-0400 WATCH
UNDERWAY ON 18 NOZZ MACH AS BEFORE CHANGED & CLEANED CENTER F.O. BURNERS AND P/S DISCH. STRAINER. INSPECTED & CLEANED MAIN L.O. DISCH STRAINERS. DAILY TEST OF STBY L.O. PUMP. HELD ENGS CASUALTY DRILL B-15 LOSS OF FEED PUMP PRESSURE. WATCH INST & BRIDGE NOTIFIED 0100-0130 CHECKED STEERING ER. GEAR. PUMPED BILGES. PUMPED UP PORT SETTLERS FROM #4 P/S DEEP TANK. MADE ROUTINE ROUNDS ON MACH & ENGS SPACES. COMPLIED WITH COMSTS 4700.7

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Underway 18 Nozzles machinery Inoperation As Before Changed & cleaned F.O. Burners & suct. strainers. Made Inspection of Steering Eng. Room. Pumped Bilges. Held Eng. Casualty Drill B-15 4 men present & Bridge Notified. M.U.F. Exp. on Port Boiler from 0430 to 0700 Complied with Comsts 4700.7

WATCH ENGR'S SIGNATURE- F Harris

0800-1200 WATCH
Underway, Steaming 18 Nozz, 0800 to 0830 Blew tubes #1&2 Boilers 0830 to 0900 Held Eng Casualty Drill B-15 - 4 men present bridge notified, Cleaned & changed Top burners #1&2 Boilers, Shift & Clean F.O. Disch Strainers P&S. @1046 Test Eng order #2 Telegraph from Bridge Shift & Clean L.O. Strainer #1 Turbo Gen. @1130 Shift F.O. Settler Suction to Inboard Settler, pumped Bilges Made Rounds & Insp of Mach & Eng spaces, Comp with Comsts 4700-7

WATCH ENGR'S SIGNATURE- R Summers.

CHIEF ENGINEER

	Port	Stbd
P	8.76	8.76
M	11.68	11.68
CL	2.90	2.90
PO_4	40	30
SO_3	45	40
Ph. cond	7.6	
HRS. F Side	95	1197

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	8-A	NSC OAKLAND CALIF	OKINAWA	P2-S2-R2	4-13-14-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2576 9300	2579 2430	2581 8020	2584 3420	2586 8780	2589 2070
TOTAL REVOLUTIONS (FOR WATCH)	23180	23130	25590	25400	25330	23320
AVERAGE RPM	96.6	96.3	98.4	97.7	97.2	97.1
F.O. METER (END OF WATCH)	1144 8730	1145 1350	1145 4160	1145 7130	1146 0040	1146 2800
F.O. CONSUMED	2690	2620	2810	2870	2910	2760
MACHINERY PARTICULARS — PRESSURES — THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	23	23	24	23	23	23
VACUUM	29"	29"	29"	29"	29"	29"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	9	9	9	10	10
GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER	74	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10	10"	10"	10"	10"	10"
TEMPERATURES — STEAM AT THROTTLE	690	685	685	690	675	695
L.P. EXHAUST	95	96	96	96	92	97
CONDENSATE	82	90	90	88	90	95
CIRC. WATER IN	59	60	61	62	61	64
CIRC. WATER OUT	71	72	73	74	74	74
L.O. TO COOLERS	129	129	128	129	130	129
L.O. FROM COOLERS	110	110	110	110	111	110
TEMPERATURE THRUST BEARING	119	119	118	119	124	118
FORWARD H.P. ROTOR BEARING	124	124	123	124	124	123

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D) — AFT. H. P. ROTOR BEARING	137	139	132	138	139	136
FORWARD L. P. ROTOR BEARING	135	134	134	134	134	132
AFT. L.P. ROTOR BEARING	129	130	128	129	127	127
HOTTEST GEAR BEARING FORWARD	156	153	156	154	153	155
HOTTEST GEAR BEARING AFT	146	148	146	145	149	145
AUX. COND. CONDENSATE	99	96	96	97	98	106
1ST STAGE FEED WATER HEATER	152	154	152	152	152	154
D. C. FEED WATER HEATER	238	238	238	240	240	238
3RD STAGE FEED WATER HEATER H.P. / L.P.	150 / 100	—	—	—		
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P / S	190 / 190	190 / 190	190 / 190	190 / 190	190 / 190	190 / 190
F. O. BACK PRESSURE	14 / 14		12	12		12
PRESSURE AIR TO FURNACE	5.2 / 5.4	5.0 / 5.0	5.0 / 5.0	5.0 / 5.0	5.0 / 5.0	5.0 / 5.0
UPTAKE	325 / 320	315 / 310	325 / 325	335 / 340	340 / 325	325 / 315
MAIN STEAM	690	685	685	690	675	695
PRESSURES — SUPER HEAT	440	440	440	440	440	440
F.O. TO BURNERS	195 / 190	190 / 190	190 / 190	190 / 190	200 / 200	190 / 190
F.O. TEMP. IN SETTLING TANKS	103 / 103	95 / 95	105 / 105	103 / 103	95 / 100	110 / 105
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE SALINITY	.41	.41	.41	.41		.41
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	69	69	68	68	70	73
FIRE ROOM TEMPERATURE	69	69	68	68	70	73
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	690	9	119	110		62	1500	1450	235
1600 TO 2000	1	1200	440		9	118	110		62	1200	1250	235
2000 TO 2400	1	1200	440	685	9	120	110		62	1200	1200	235
2400 TO 0400	1	1200	440	690	9	118	110		62	1150	1150	235
0400 TO 0800	1	1200	440	675	9	125	115		62	1200	1200	235
0800 TO 1200	1	1200	440	695	9	120	110		62	1500	1500	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1146 2800	BOILER WATER — ON HAND AT START OF DAY	176
	METER PREVIOUS NOON	1144 6040	EVAPORATED OR RECEIVED	28
	CONSUMED BY METER	1676	ON HAND	168
	ON HAND AT START OF DAY	14,978	CONSUMED	36
	RECEIVED DURING DAY	-0-	LUBE OIL — ON HAND AT START OF DAY	2040
	EXPENDED DURING DAY	718	RECEIVED	-0-
	REMAINING ON BOARD	14,260	ON HAND	2030
DOMESTIC WATER	ON HAND AT START OF DAY	1126	CONSUMED	10
	EVAPORATED OR RECEIVED	137		1185
	ON HAND	1086		1180
	CONSUMED	177		5

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

4 4 4⅓ 4⅓ 4⅓

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	4⅓	4	4⅓	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	P.S. 11.5
DETENTION TIME	-0-	BBL FUEL/MI	1.35 1.52
TOTAL REVOLUTIONS	142715	WIND DIRECTION	055°
AVERAGE R.P.M.	95.1	STATE OF SEA	8' SWELL
TOTAL MILES BY ENGINE	532	STATE OF WEATHER	58°
TOTAL MILES BY OBSERVATION	471		

REMARKS

1200-1600 WATCH

Underway on 18 Nozz Mach Inoperation #1+2 Boilers 1+2 F.D. Blowers. 1+2 F.O.S. pumps 1+2 Mn. F.D. pumps. Mn Air Ejector. Mn. Circ + Cond. pumps. L.O. purifier. L.O.S. pump. Fire+San. pump #1 Aux Generator. Aux Air Ejector Circ + Cond pumps ~~over~~ to Main. Port Steering Gear. Daily test of Main Throttle. Pumped up port settlers from #4 & Deep tk. Changed + Cleaned Center F.O. burners + P/S disch strainers. Pumped Bilges. Checked Steering E.R. Gear. Added 1 Gal L.O. each to #1+2 Feed pumps. Boat drill for Troops @ 1516 SOC @ 1523 Made Routine Rounds on Mach + Engs Spaces. Complied With Comsts 4700.7

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

Underway 18 Nozzles Machinery Inoperation As Before Blew Tubes on Port + stbd. Boilers @ 1600. Changed + cleaned F.O. Burners + Suct Strainer. Pumped Bilges. Complied with Comsts 4700.7

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH

Underway, Steaming 18 Nozz, Cleaned + Changed top burners #1+2 Boilers, Shift + Clean L.O. Strainer #1 Generator, Shift + Clean F.O. Disch Strainers P+S pumped Bilges, Made Routine Rounds + Insp of Mach + Eng. spaces
Retarded Ships Clock 20 minutes @ 2255
Comp with Comsts 4700-7

WATCH ENGR'S SIGNATURE- R Summers.

2400-0400 WATCH

Underway on 18 Nozz Mach as Before Pumped up Port Settlers from #4 & Deep Tk Secured L.O. Purifier @ 0100 Cleaned + back in service @ 0230 Inspected + Cleaned Main L.O. disch strainer. Retarded Clocks 20 Mins @ 0100 Changed + Cleaned Center F.O. burners + P/S disch strainers Daily test of Stbd L.O. pump. Checked Steering E.R. Gear. Pumped Bilges. Made Routine Rounds on Mach + Engs Spaces. Complied With Comsts 4700.7

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Underway 18 Nozzles machinery Inoperation As Before Changed + cleaned F.O. Burners + suct. strainer. Retard clock 20 min. @ 0500. Pumped Bilges. Checked steering Eng Room. Complied with Comsts 4700.7

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH

Underway, Steaming 18 Nozz, Cleaned + Changed Top burners #1+2 Boilers @800 to @830 Blew tubes on #1+2 Boilers, Shift + Clean F.O. Disch strainers P+S shift + Clean L.O. Strainer #1 Generator, @1000 Shift to Suction to Outboard Settler. Pumped Bilges, Made Rounds + Insp of Mach + Eng spaces
Comp with Comsts 4700-7

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

0800 to 1200 - made Weekly test + Insp. of Fire Fighting Equipment
noting Repairs to Strainer at Fire Sta # 6-108-2
~~Short 2 Cons Foam at Fire Sta # 5-108-2~~ RES

BOILER WATER READINGS

STB'D	PORT
P 1219	[illegible]RS 120
A 10.51	[illegible]L 8.76
T 14.02	[illegible]-AXL 11.68
S.L. 3.31	[illegible]. 2.90
P[illegible]. 30	[illegible]. 40
R.	
SO_3 40	35
Ph. cond. 8.0	

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	8-19	NSC OAKLAND CALIF	OKINAWA	P2-S2-R2	4-14-14-67

	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)	2591 5500	2593 8470	2596 2140	2598 5620	2600 8830	2603 2320
TOTAL REVOLUTIONS (FOR WATCH)	23230	23170	23670	23480	23210	23490
AVERAGE RPM	96.8	96.5	98.6	97.8	96.7	97.8
F.O. METER (END OF WATCH)	1146 5470	1146 8120	1147 0750	1147 3500	1147 6160	1147 8890
F.O. CONSUMED	2670	2700	2580	2750	2660	2680
MACHINERY PARTICULARS – PRESSURES: THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	23	23	24	24	24	24
VACUUM	29"	29"	29	29"	29"	29"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	10	10	9	10	10
GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER	70	70	70	70	70	7
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10	10	10	10	10	10
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	675	680	680	681	675	675
L.P. EXHAUST	99	98	97	98	100	98
CONDENSATE	88	85	92	92	92	94
CIRC. WATER IN	62	62	64	63	64	64
CIRC. WATER OUT	75	76	74	76	78	76
L.O. TO COOLERS	129	130	130	129	130	130
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	120	124	118	119	120	118
FORWARD H.P. ROTOR BEARING	124	124	123	124	125	123

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	136	140	136	136	138	136
FORWARD L. P. ROTOR BEARING	134	135	132	133	134	133
AFT. L.P. ROTOR BEARING	128	130	128	129	130	128
HOTTEST GEAR BEARING FORWARD	156	153	156	157	153	155
HOTTEST GEAR BEARING AFT	146	148	146	146	148	145
AUX. COND. CONDENSATE	105	100	98	100		100
1ST STAGE FEED WATER HEATER	153	154	152	154	156	154
D. C. FEED WATER HEATER	239	240	238	239	240	238
3RD STAGE FEED WATER HEATER H.P.	.050	—	—	—	—	
3RD STAGE FEED WATER HEATER L.P.	160					
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS P/S	190/190	190/190	190/190	190/190	190/190	190/190
F. O. BACK PRESSURE	12		12	12		
AIR TO FURNACE	5.2/5.4	5.0/5.2	5.0/5.0	5.0/5.0	5.0/5.0	5.0/5.0
SALINITY	.41	.41	.41	.41	.41	.41
MAIN STEAM	440	440	440	440	440	440
BOILER PARTICULARS – TEMPERATURES: SUPER HEAT	675	680	680	680	675	685
F.O. TO BURNERS	190/190	190/190	190/190	190/190	190/190	190/190
F.O. TEMP. IN SETTLING TANKS	100/105	110/110	105/115	110/110	110/105	105/110
PORT BOILER UPTAKE	325	315	325	330	345	325
STBD. BOILER UPTAKE	320	330	340	350	345	320
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	71	72	72	72	74	76
FIRE ROOM TEMPERATURE	71	72	72	72	74	76
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	675	9	118	110		62	1400	1400	235
1600 TO 2000	1	1200	440	680	9	115	110		62	1200	1350	235
2000 TO 2400	1	1200	440	680	9	120	110		62	1200	1200	235
2400 TO 0400	1	1200	440	680	9	120	110		62	1200	1250	235
0400 TO 0800	1	1200	440	675	9	120	110		62	1300	1300	235
0800 TO 1200	1	1200	440	685	9	120	110		62	1300	1300	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1147840	BOILER WATER: ON HAND AT START OF DAY	168
	METER PREVIOUS NOON	1146280	EVAPORATED OR RECEIVED	54
	CONSUMED BY METER	16040	ON HAND	174
	ON HAND AT START OF DAY	14260	CONSUMED	48
	RECEIVED DURING DAY	0	LUBE OIL: ON HAND AT START OF DAY	2030
	EXPENDED DURING DAY	686	RECEIVED	-0-
	REMAINING ON BOARD	13574	ON HAND	2020
DOMESTIC WATER	ON HAND AT START OF DAY	1086	CONSUMED	10
	EVAPORATED OR RECEIVED	138	DIESEL OIL	1180
	ON HAND	1023	ON HAND	1175
	CONSUMED	201	CONSUMED	5

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

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME	1440	PERCENT OF SLIP	POS. 11.7
DETENTION TIME	-0-	BBL FUEL/MI	1.34 1.51
TOTAL REVOLUTIONS AVG.	137,185	WIND DIRECTION	070°
AVERAGE R.P.M.	95.3	STATE OF SEA	10'
TOTAL MILES BY ENGINE	511	STATE OF WEATHER	61°
TOTAL MILES BY OBSERVATION	452		

REMARKS

1200-1600 WATCH

Underway on 18 Nozz Mach in operation #1+2 Boilers 1+2 F.D. Blowers 1+2 F.O. Pumps. 1+2 MN.F.D. pumps. Main Air Ejector. MN C.R.C + Cond. pumps. L.O. purifier. L.O.S. pump F.R.C + S.W. pump. 1 Aux Generator. Aux Air Ejector. C.R.C + Cond pumps over to main. Port Steering Gear. Daily test of Main Thrust. Pumped up port settlers from #4 ¢ deep. Pumped Bilges. Changed + Cleaned Center F.O. burners + P/S disch. strainers. Checked steering F.R. Gear. Added 2 Gals L.O. to #1 MN.F.D. Pump. Made Routine Rounds on Mach + Eng's spaces. Complied with Comsts 4700.7

WATCH ENGR'S SIGNATURE- Henry Burney

1600-2000 WATCH

Underway 18 Nozzles machinery in operation as before Blew Tubes on Port + stbd Boilers @ 1600. Changed + cleaned F.O. Burners + Suct. Strainers. Cleaned steering Eng. Rm. Pumped Bilges. Complied with Comsts. 4700.7. M.U.F. Evap on Port Boiler 2 Hours. See same.

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH

Underway, Steaming 18 Nozz, Cleaned + Changed top Burners #1+2 Boilers Shift + Clean F.O. Disch strainers P+S, Shift + Clean L.O. strainer #1 Generator, @ 2130 Shift to Inboard F.O. Settler Suction. Pumped bilges, Made Rounds + Insp of Mach + Eng spaces Comp with Comsts Inst 4700-7 @ 2100 Secured Steam Heating.

WATCH ENGR'S SIGNATURE- R. Summers

2400-0400 WATCH

Underway on 18 Nozz Mach as before. Pumped up port settlers from #4 ¢ deep tk. Inspected + cleaned main L.O. disch strainers. Changed + cleaned center F.O. burners P/S disch strainers. Daily test of stby L.O. pump. Checked steering F.R. Gear. Pumped Bilges. Made Routine Rounds on Mach + Eng's spaces. Complied with standing Comsts 4700.7. Added 1 Gallon L.O. to #1 MN Feed Pump.

WATCH ENGR'S SIGNATURE- Henry Burney

0400-0800 WATCH

Underway 18 Nozzles machinery in operation as before changed + cleaned F.O. Burners + Suct. Strainer. Complied with Comsts. 4700.7 Pumped Bilges. Checked steering Eng. Rm. M.U.F. Evap on Stbd Boiler Blew 0430 to 0630. Added Compound to Port + Stbd. Boilers.

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH

Underway, Steaming 18 Nozz, @ 0800 to 0830 Blew tubes on #1+2 Boilers Shift + Clean F.O. Disch strainers P+S, Cleaned + Changed top furnes #1+2 Boilers, Shift + Clean L.O. strainer #1 Generator @ 0830 Put #1 Air Compressor on line, Made Rounds + Insp of Mach + Eng spaces. Comp with Comsts 4700-7

WATCH ENGR'S SIGNATURE- R. Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	1243	HOURS	144
AKL	8.76	AKL	8.76
T-AKL	11.68	T-AKL	11.68
SAL.	2.90	SAL.	2.49
PHOS.	40	PHOS.	40
R.ph		R.ph	
SOS	45		45
Ph.Cond.	8.0		

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	8-A	NSC OAKLAND CALIF	OKINAWA	P2S2-R2	4-15-16-67

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	RUNNING TIME	240	240	260	260	240	240
	DETENTION TIME						
	REVOLUTION COUNTER (END OF WATCH)	2605 5620	2607 8780	2610 4280	2612 9750	2615 4870	2617 8220
	TOTAL REVOLUTIONS (FOR WATCH)	23300	23160	25500	25470	25140	23330
	AVERAGE RPM	97.0	96.5	98.0	97.8	96.7	97.2
	F.O. METER (END OF WATCH)	1148 1520	1148 4130	1148 7050	1148 9990	1149 2880	1149 5470
	F.O. CONSUMED	2680	2610	2820	2940	2890	2590
MACHINERY PARTICULARS – PRESSURES	THROTTLE	440	440	440	440	440	440
	H.P. AHEAD	440	440	440	440	440	440
	L.P. AHEAD	24	24	24	24	24	24
	VACUUM	29"	29"	29"	29"	29"	29"
	L.O. TO TURBINES	12	12	12	12	12	12
	AUX. STEAM	150	150	150	150	150	150
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
	H.P. BLEEDER	70	70	70	70	70	70
	I.P. BLEEDER	6	6	6	6	6	6
	L.P. BLEEDER	10	10	10	10	10	10
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	690	685	695	690	680	685
	L.P. EXHAUST	98	99	100	100	100	103
	CONDENSATE	89	93	94	93	94	98
	CIRC. WATER IN	63	63	66	64	~~66~~ 78	66
	CIRC. WATER OUT	76	76	78	79	~~80~~ 78	80
	L.O. TO COOLERS	127	128	130	129	129	129
	L.O. FROM COOLERS	110	110	110	110	110	110
	TEMPERATURE THRUST BEARING	120	118	118	119	120	118
	FORWARD H.P. ROTOR BEARING	125	124	123	124	124	123

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	138	140	136	137	140	136
	FORWARD L. P. ROTOR BEARING	135	134	132	134	135	132
	AFT. L.P. ROTOR BEARING	130	130	127	128	130	127
	HOTTEST GEAR BEARING FORWARD	158	152	157	158	163	157
	HOTTEST GEAR BEARING AFT	147	148	145	146	149	145
	AUX. COND. CONDENSATE	102	104	102	103	102	106
	1ST STAGE FEED WATER HEATER	154	154	154	155	154	156
	D. C. FEED WATER HEATER	239	240	238	240	240	240
	3RD STAGE FEED WATER HEATER (H.P. / L.P.)	056 100	—	—	—		
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS (P / S)	190 190	190 190	190 190	195 190	200 200	190 190
	F. O. BACK PRESSURE	12					
	AIR TO FURNACE	5.0 5.0	5.0 5.0	5.0 5.0	5.0 5.0	5.0 5.0	5.0 5.0
	SALINITY UPTAKE	.41	.41	.41	.41	.41	.41
	MAIN STEAM	440	440	440	440	440	440
BOILER PARTICULARS – PRESSURES	SUPER HEAT	690	685	695	690	680	685
	F.O. TO BURNERS	190 190	190 190	190 190	190 190	190 190	190 190
	F.O. TEMP. IN SETTLING TANKS	105 105	110 105	100 110	115 110	115 110	105 110
	PORT BOILER UPTAKE	320	~~325~~ 325	340	340	330	325
	STBD. BOILER UPTAKE	320	325	360	370	355	325
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	77	76	75	74	76	79
	FIRE ROOM TEMPERATURE	77	76	75	74	76	79
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	690	9	120	110		62	1250	1250	235
1600 TO 2000	1	1200	440	685	9	118	110		62	1250	1250	235
2000 TO 2400	1	1200	440	695	9	120	110		62	1200	1200	235
2400 TO 0400	1	1200	440	690	9	119	110		62	1250	1250	235
0400 TO 0800	1	1200	440	680	9	118	110		62	1300	1300	235
0800 TO 1200	1	1200	440	685	9	120	110		62	1350	1350	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	11495470	BOILER WATER – ON HAND AT START OF DAY	174
	METER PREVIOUS NOON	11478840	EVAPORATED OR RECEIVED	42
	CONSUMED BY METER	16630	ON HAND	177
	ON HAND AT START OF DAY	13574	CONSUMED	39
	RECEIVED DURING DAY	-0-	LUBE OIL – ON HAND AT START OF DAY	2020
	EXPENDED DURING DAY	709	RECEIVED	-0-
	REMAINING ON BOARD	12865	ON HAND	2010
DOMESTIC WATER	ON HAND AT START OF DAY	1023	CONSUMED	10
	EVAPORATED OR RECEIVED	156	DIESEL OIL	1175
	ON HAND	959	ON HAND	1172
	CONSUMED	220	CONSUMED	3

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

4	4	4½	4½	4

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	4⅓	4⅓	4⅓	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	POS. 12.6
DETENTION TIME	-0-	BBL FUEL/MI	1.33 1.53
TOTAL REVOLUTIONS	142,205	WIND DIRECTION	060°
AVERAGE R.P.M.	94.8	STATE OF SEA	6
TOTAL MILES BY ENGINE	530	STATE OF WEATHER	70°
TOTAL MILES BY OBSERVATION	463		

REMARKS

1200-1600 WATCH

UNderWAY ON 18 NOZZ MACH INOPERATION #1&2 BOILERS 1&2 FD. BLOWERS 1&2 F.O.S. PUMPS 1&2 MN. FD PUMPS MAIN AIR COMPRESSOR MAIN AIR EJECTOR MN CIRC & COND PUMPS L.O. PURIFIER L.O.S. PUMP FIRE & SAN PUMP #1 AUX GENERATOR AUX AIR EJECTOR CIRC & COND PUMPS. OVER to MAIN PORT STEERING GEAR. Pumped up PORT SETTLERS FROM #3 P/S DB TKS. Changed & CLEANED CENTER F.O. burners & P/S disch STRAINERS PUMPED Bilges. checked steering E.R. GEAR. Added 1GAL LO each to #1&2 MN FD. PUMPS. MADE ROUTINE ROUNDS ON MACH & ENG'S SPACES. Complied with COMSTS 4700.7

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

UNderway 18 Nozzles machinery IN operation AS Before Blew Tubes on Port & stbd Boilers @ 1605. Changed & Cleaned F.O. Burners & suct. strainers Complied with comsts 4700.7. Pumped Bilges. Renewed Diaphragm on 50 lbs. station Regulating Valve.

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH

Underway, Steaming 18 Nozz, Cleaned & Changed top burners #1 & 2 Boilers, Shift & Clean F.O. Disch strainers P&S., Shift & Clean L.O. Strainer #1 Generator, @ 2100 Shift F.O. suction to Inboard settler.

Retarded ships Clock 20 min @ 2300

Made Rounds & Insp of Mach & Eng spaces, Comp With Comsts 4700-7

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH

UNderWAY ON 18 NOZZ MACH AS Before. Pumped up PORT SETTLERS FROM #3 P/S DB TKS. Retarded CLOCKS 20 MINS @ 0100. Changed & CLEANED CENTER F.O. burners & P/S disch STRAINERS. INSPECTED & CLEANED MAIN L.O. disch STRAINERS. DAILY test of Stby L.O. PUMP. CLEANED F.O. TRANSFER PUMP SUCT STRAINER. Checked Steering E.R. GEAR. Pumped Bilges. MADE ROUTINE ROUNDS ON MACH & ENG'S SPACES. Complied with COMSTS 4700.7

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

UNderway 18 Nozzles machinery In operation AS Before Changed & cleaned F.O. Burners & suct. strainer. Added Packing To #6 & #8 sootblowers on Port Boiler. Retard Clock 20 min. @ 0500. Pumped Bilges. Complied with Comsts. 4700.7. Checked Steering Eng. Room.

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH

Underway, Steaming 18 Nozz, 0800 to 0830 Blew tubes on #1 & 2 Boilers Cleaned & Changed top burners #1 & 2 Boilers, Shift & Clean F.O. Disch strainers P&S, Shift & Clean L.O. strainer #1 Generator.

Made Rounds & Insp of Mach & Eng spaces.

Complied With Comsts ~~Inst~~ 4700-7

WATCH ENGR'S SIGNATURE- R Summers.

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1268	HOURS 169
AKL 8.76	AKL 8.18
T-AKL 11.68	T-AKL 11.10
SAL. 2.90	SAL. 2.90
PHOS. 30	PHOS. 30
R.ph 10	R.ph 10
SO3 40	40
Ph. cond. 8.0	

CHIEF ENGR'S SIGNATURE- [illegible signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	8-A	NSC Oakland Calif	Okinawa	P2-S2-R2	4-16-17-67

MACHINERY PARTICULARS

WATCH	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2620 1610	2622 4820	2625 0310	2627 5660	2630 0830	2632 4150
TOTAL REVOLUTIONS (FOR WATCH)	23390	23210	25490	25350	25170	23320
AVERAGE RPM	97.5	96.7	98.0	97.5	96.8	97.1
F.O. METER (END OF WATCH)	1149 8130	1150 0740	1150 3790	1150 6830	1150 9790	1151 2570
F.O. CONSUMED	2660	2610	3050	3040	2960	2780
PRESSURES						
THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	24	24	24	24	23	23
VACUUM	29"	29	29	29"	29"	29
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10	10"	10	10	10"	10"
TEMPERATURES						
STEAM AT THROTTLE	690	680	685	680	690	695
L.P. EXHAUST	100	102	101	101	101	102
CONDENSATE	91	90	97	96	94	98
CIRC. WATER IN	66	67	67	68	66	66
CIRC. WATER OUT	80	80	79	81	80	78
L.O. TO COOLERS	128	129	129	128	128	129
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	119	120	118	118	118	118
FORWARD H.P. ROTOR BEARING	125	124	123	124	124	123

MACHINERY PARTICULARS (CONT'D) / BOILER PARTICULARS / MISCELLANEOUS

WATCH	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
TEMPERATURES (CONT'D)						
AFT. H. P. ROTOR BEARING	139	140	136	137	139	138
FORWARD L. P. ROTOR BEARING	130	130	132	133	134	133
AFT. L.P. ROTOR BEARING	130	130	128	128	129	128
HOTTEST GEAR BEARING FORWARD	158	153	156	158	160	157
HOTTEST GEAR BEARING AFT	147	148	146	146	148	146
AUX. COND. CONDENSATE	105	108	106	105	108	106
1ST STAGE FEED WATER HEATER	156	154	154	154	154	156
D. C. FEED WATER HEATER	240	240	238	240	240	238
~~3RD STAGE FEED WATER HEATER~~ ROTOR H.P. / L.P.	056 / 026	—	—	—	—	
BOILER PARTICULARS – PRESSURES						
F.O. TO BURNERS	200/200	200/200	200/200	200/200	200/200	200/200
F. O. BACK PRESSURE	12		12	12		
AIR TO FURNACE	5.0/5.0	5.0/5.0	5.5/5.5	5.2/5.2	5.0/5.0	5.5/5.5
SALINITY ~~UPTAKE~~	.41	.41	.41	.41	.41	.41
MAIN STEAM	440	440	440	440	440	440
BOILER PARTICULARS – TEMPERATURES						
SUPER HEAT	690	680	685	680	690	695
F.O. TO BURNERS	190/190	190/190	190/190	190/190	190/190	190/190
F.O. TEMP. IN SETTLING TANKS	105/105	100/100	100/100	95/100	105/98	95/105
PORT BOILER UPTAKE	330	330	340 ~~335~~	343	350	335
STBD. BOILER UPTAKE	330	315	335	338	355	325
MISCELLANEOUS						
ENGINE ROOM TEMPERATURE	79	77	77	77	78	80
FIRE ROOM TEMPERATURE	79	77	77	77	78	80
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'2"	1'2"	1'2"	1'2"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	690	9	120	110		62	1200	1150	235
1600 TO 2000	1	1200	440	680	9	120	110		67	1300	1300	235
2000 TO 2400	1	1200	440	685	9	120	110		62	1200	1200	235
2400 TO 0400	1	1200	440	680	9	120	110		62	1250	1200	235
0400 TO 0800	1	1200	440	690	9	120	110		62	1300	1300	235
0800 TO 1200	1	1200	440	690	9	120	110		62	1350	1350	235

FUEL - WATER AND LUBE OIL

FUEL OIL		BOILER WATER	
METER AT NOON	11512570	ON HAND AT START OF DAY	177
METER PREVIOUS NOON	11495470	EVAPORATED OR RECEIVED	0
CONSUMED BY METER	17100	ON HAND	134
ON HAND AT START OF DAY	12,865	CONSUMED	43
RECEIVED DURING DAY	750	**LUBE OIL** ON HAND AT START OF DAY	2010
EXPENDED DURING DAY	12,115	RECEIVED	-0-
REMAINING ON BOARD		ON HAND	2000
DOMESTIC WATER ON HAND AT START OF DAY	959	CONSUMED	10
EVAPORATED OR RECEIVED	209	DIESEL OIL	1172
ON HAND	930	ON HAND	1170
CONSUMED	238	CONSUMED	2

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

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4 1/3	4 1/3	4 1/3	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	POS. 12.6
DETENTION TIME	-0-	BBL FUEL/MI	1.40 / 1.61
TOTAL REVOLUTIONS	AVG. 143,075	WIND DIRECTION	170°
AVERAGE R.P.M.	95.3	STATE OF SEA	3'
TOTAL MILES BY ENGINE	533	STATE OF WEATHER	65°
TOTAL MILES BY OBSERVATION	466		

REMARKS

1200-1600 WATCH
UNderWay on 18 NoZZ Mach in operation #1+2 Boilers. 1+2 FD Blowers 1+2 F.O.S. Pumps. 1+2 MN FD pumps. Main Air Compressor Main Air Ejector. MN Circ + Cond. pumps L.O. purifier. L.O.S. pump. #1 Aux Generator. Aux Air Ejector. Circ+Cond pumps Ever to main. Fire + San Pump. Port Steering Gear. Daily test on Mn throttle. Changed + cleaned center F.O. burners + P/S disch strainers. Pumped Bilges Pumped up Port Settlers From #3 P/S WB & B C F.O. Tks. Checked Steering E.R. Gear. Made Routine Rounds on Mach + Engs spaces. Complied With Comsts 4700.7

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Underway 18 Nozzles machinery in operation as Before changed & cleaned F.O. Burners + Suct. Strainers. Blew Tubes on Port + Stbd. Boilers @ 1600. ~~[illegible]~~ Complied with Comsts. 4700.7 Pumped Bilges Heating Steam on F.O. Tks #2 P+S @ 1600.

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH
Underway, Steaming 18 Nozz. @ 2000 Shift F.O. Suction to Inboard Settler. Cleaned & Changed top burners #1+2 boiler, Shift + Clean F.O. Disch strainers P+S. Shift + Clean L.O. strainer #1 Generator.
@ 2200 put #1 air Compressor on line, Retarded Ships Clock 20 Minutes @ 2255 Made Rounds + Insp of Mach + Eng spaces. Complied with Comsts Inst 4700-7, pumped bilges, @ 2330 Secured #1 air Compressor

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH
UNderWay on 18 NoZZ Mach as Before. Changed + cleaned center F.O. burners + P/S disch strainers. Inspected + cleaned main L.O. disch strainer. Daily test of stby L.O. pump. Retarded Clocks 20 mins @ 0100. Held Engs Casualty drill B-16 Failure of Emergency or Auxilliary Feed pump to take suction. Watch Inst + Bridge Notified 0100-0130 Pumped up Port settlers From #3 C WB. Pumped Bilges. Checked Steering E.R. Gear. Made Routine Rounds on Mach + Engs spaces. Complied with standing orders + Comsts 4700.7

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Underway 18 Nozzles machinery in operation as Before Changed & cleaned F.O. Burners + suct. strainer. Retarded Clock 20 min. @ 0500 Held Eng. Casualty Drill B-16 from 0500 to 0530 4 men present Bridge Notified. Complied with Comsts. 4700.7. Pumped Bilges. Added compound to Port Boiler. Greased mn. Blr. Feed Pump.

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH
Underway, Steaming 18 Nozz, 0800 to 0830 Blew tubes #1+2 Boilers. 0830 to 0900 Held Engine Casualty Drill B-16, 4 men present Bridge Notified, Cleaned + Changed top burners #1+2 Boilers, Shift + Clean F.O. Disch strainers P+S. Shift + Clean L.O. Strainer #1 Generator.
opened + Cleaned trap in bilges for feed pump drains + Evap air Ej drains, No Foreign Matter in trap, Made Rounds + Insp of Mach + Eng spaces, Comp with Comsts 4700-7.

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1293	HOURS 194
AKL 8.76	AKL 8.76
T-AKL 11.68	T-AKL 11.68
SAL. 290	SAL. 2.90
PHOS. 30	PHOS. 40
R.ph 10	R.ph 10
SO^3 35	45
Ph. cond: 8.0	

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	8-A	NSC Oakland Calif	Okinawa	P2-S2-R2	4-17 & 19-67

MACHINERY PARTICULARS

WATCH	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2634 7370	2637 6400	2639 3920	2641 7230	2644 0370	2646 3670
TOTAL REVOLUTIONS (FOR WATCH)	23220	23030	23520	23310	23160	23280
AVERAGE RPM	96.7	96.0	98.0	97.1	96.5	97.0
F.O. METER (END OF WATCH)	1151 5290	1151 7940	1152 0770	1152 3560	1152 6230	1152 9010
F.O. CONSUMED	2720	2650	2830	2790	2670	2780
PRESSURES						
THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	24	24'	24	24	24	24
VACUUM	29"	29"	29"	29"	29"	29"
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER	74	74	70	72	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10	10"	10'	10"	10"	10"
TEMPERATURES						
STEAM AT THROTTLE	680	700	690	695	695	700
L.P. EXHAUST	105	104	103	102	105	106
CONDENSATE	95	100	100	98	100	103
CIRC. WATER IN	69	68	66	67	68	70
CIRC. WATER OUT	82	80	78	79	80	82
L.O. TO COOLERS	129	124	129	128	129	129
L.O. FROM COOLERS	110	108	110	110	110	110
TEMPERATURE THRUST BEARING	119	115	118	118	120	118
FORWARD H.P. ROTOR BEARING	125	122	126	124	124	123

MACHINERY PARTICULARS (CONT'D) / BOILER PARTICULARS / MISCELLANEOUS

WATCH	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
TEMPERATURES (CONT'D)						
AFT. H. P. ROTOR BEARING	139	139	136	138	140	136
FORWARD L. P. ROTOR BEARING	135	130	132	133	135	133
AFT. L.P. ROTOR BEARING	130	128	128	129	130	128
HOTTEST GEAR BEARING FORWARD	158	160	156	158	160	157
HOTTEST GEAR BEARING AFT	147	147	146	146	148	146
AUX. COND. CONDENSATE	110	110	108	106	110	112
1ST STAGE FEED WATER HEATER	158	158	154	154	154	158
D. C. FEED WATER HEATER	240	240	238	240	240	240
~~3RD STAGE FEED WATER HEATER~~ ROTOR HP / L.P	[illegible]	—	—	—		
BOILER PARTICULARS						
F.O. TO BURNERS P/S	200/200	200/200	200/200	200/201	200/200	195/195
F. O. BACK PRESSURE	12		12			
AIR TO FURNACE	5.0/5.2	5.0/5.2	5.0/5.2	5.0/5.2	6.0/5.0	5.0/5.5
~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
MAIN STEAM	440	440	440	440	440	440
SUPER HEAT	680	700	690	695	695	700
F.O. TO BURNERS	190/190	190/180	190/190	190/190	190/190	190/190
F.O. TEMP. IN SETTLING TANKS	98/100	100/105	100/105	105/102	120/105	110/115
PORT BOILER UPTAKE	335	330	340	348	330	335
STBD. BOILER UPTAKE	335	335	335	347	345	325
MISCELLANEOUS						
ENGINE ROOM TEMPERATURE	82	78	77	75	79	82
FIRE ROOM TEMPERATURE	82	78	77	76	79	82
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	5	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'2"	1'2"	1'2"	1'2"	1'2"	1'2"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	680	9	120	110		62	1400	1400	235
1600 TO 2000	1	1200	440	700	9	120	110		62	1350	1350	235
2000 TO 2400	1	1200	440	690	9	120	110		62	1300	1300	235
2400 TO 0400	1	1200	440	695	9	120	110		62	1250	1200	235
0400 TO 0800	1	1200	440	695	9	120	110		62	1350	1400	235
0800 TO 1200	1	1200	440	700	9	120	110		62	1500	1500	235

FUEL - WATER AND LUBE OIL

FUEL OIL		BOILER WATER	
METER AT NOON	11529010	ON HAND AT START OF DAY	134
METER PREVIOUS NOON	11512570	EVAPORATED OR RECEIVED	81
CONSUMED BY METER	16440	ON HAND	177
ON HAND AT START OF DAY	12,115	CONSUMED	38
RECEIVED DURING DAY	-0-	**LUBE OIL** ON HAND AT START OF DAY	2000
EXPENDED DURING DAY	748	RECEIVED	-0-
REMAINING ON BOARD	11,367	ON HAND	1995
DOMESTIC WATER ON HAND AT START OF DAY	930	CONSUMED	5
EVAPORATED OR RECEIVED	108	DIESEL OIL	1170
ON HAND	778	ON HAND	1168
CONSUMED	260	CONSUMED	2

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

4	4	4	4	4	4

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME	1440	PERCENT OF SLIP	POS 11.7
DETENTION TIME	-0-	BBL FUEL/MI	1.46 1.66
TOTAL REVOLUTIONS AVG	136,910	WIND DIRECTION	060°
AVERAGE R.P.M.	95.1	STATE OF SEA	4' Swell
TOTAL MILES BY ENGINE	510	STATE OF WEATHER	70°
TOTAL MILES BY OBSERVATION	450		

REMARKS

1200-1600 WATCH

UNderWAY ON 18 NOZZ MACH INOPERATION #1+2 Boilers 1+2 FD BLOWERS 1+2 F.O.S. PUMPS 1+2 MN. FR. PUMPS. MN AIR COMPRESSOR. MAIN AIR EJECTOR MN CIRC+ COND PUMPS. L.O. PURIFIER. L.O.S. PUMP. 9 AUX GENERATOR. AUX AIR EJECTOR CIRC+ COND. PUMPS OVER to MAIN. FIRE+ SAN PUMP. PORT STEERING GEAR. DAILY test of MN Throttle. Changed+ Cleaned Center F.O. burners. + P/S disch STRAINERS. Pumped Bilges. Checked Steering ER. GEAR. Pumped up PORT SETTLERS FROM #3 & DB. TK. Added 1 GAL L.O. to #1 MN FW PUMP. Made Routine Rounds on Mach + Engs SPACES. Complied With COMSTS 4700.7

WATCH ENGR'S SIGNATURE- George Bunny

1600-2000 WATCH

underway 18 Nozzles machinery In operation As Before Blow Tubes on Port + stbd Boilers @ 1600. changed & cleaned F.O. Burners + suct. strainer. Complied with Comsts 4700.7 Pumped Bilges. Checked steering Eng. Rm.

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH

Underway, Steaming 18 Nozz. Cleaned + Changed top burners #1+2 Boilers Shift + Clean F.O. Disch strainers P+S, Shift + Clean L.O. strainer #1 Generator pumped Bilges, Made Rounds + Insp of mach + Eng spaces. Comp with Comsts 4700-7

WATCH ENGR'S SIGNATURE- R Summers.

2400-0400 WATCH

UNderWAY ON 18 NOZZ MACH AS Before We to CRESSING the INTERNATIONAL DATELINE ADVANCED CLOCKS 24 hrs FOR APRIL 19th. Changed + Cleaned Center F.O. burners + P/S disch STRAINERS, DAILY test of Stby L.O. pump. INSPected + Cleaned MAIN L.O. disch STRAINER. PUMPED BILGES. Checked Steering ER. GEAR. PUMPED up PORT SETTLERS FROM #3 & DB + #2 P/S DB. MADE Routine Rounds on Mach + ENGS SPACES. Complied With COMSTS 4700.7

WATCH ENGR'S SIGNATURE- George Bunny

0400-0800 WATCH

underway 18 Nozzles machinery In operation As Before Changed & Cleaned F.O. Burners + suct. strainer Complied with Comsts: 4700.7 Pumped Bilges. Added Compound To stbd Boiler. Checked steering Eng. Rm.

WATCH ENGR'S SIGNATURE- L Harris

0800-1200 WATCH

Underway Steaming 18 Nozz, 0800 to 0830 Blew tubes #1+2 Boilers Cleaned + Changed burners #1+2 Boilers, Shift + Clean F.O. Disch strainers P+S Shift + clean L.O. strainer #1 Generator, Elect Cleaning #2 generator @ 1000 shift F.O. suction to Inboard settler, Made rounds + Insp of Mach + Eng spaces.
Complied With Comsts 4700-7

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	13.7	HOURS	21.8
AKL	9.93	AKL	8.76
T-AKL	13.43	T-AKL	12.26
SAL.	2.90	SAL.	2.90
PHOS.	40	PHOS.	40
R.ph	11	R.ph	10
~~SO3~~	~~40~~		~~40~~
Ph. cond.	8.0		

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	8-A	NSC Oakland Calif	Okinawa	P2-S2-R2	4-19-~~20~~-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2648 1820	2651 0000	2653 5250	2656 0500	2658 5170	2660 8010
TOTAL REVOLUTIONS (FOR WATCH)	23150	23180	25250	25250	24670	22840
AVERAGE RPM	96.5	96.6	97.1	97.1	94.9	95.1
F.O. METER (END OF WATCH)	1153 1750	1153 4410	1153 7470	1154 6490	1154 3350	1154 6170
F.O. CONSUMED	2740	2640	3060	3020	2860	2820
MACHINERY PARTICULARS — PRESSURES: THROTTLE	440	440	440	440	446	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	23	23	24	23	23	23
VACUUM	29	29"	29"	29"	29	29
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10	10"	10"	10"	10"	10"
TEMPERATURES: STEAM AT THROTTLE	690	690	690	685	690	695
L.P. EXHAUST	103	105	106	105	104	106
CONDENSATE	92	101	104	100	102	103
CIRC. WATER IN	66	68	72	70	72	70
CIRC. WATER OUT	79	81	84	83	84	82
L.O. TO COOLERS	128	128	129	127	124	128
L.O. FROM COOLERS	110	110	110	110	108	110
TEMPERATURE THRUST BEARING	119	118	118	118	116	118
FORWARD H.P. ROTOR BEARING	125	124	123	124	120	123

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	139	140	136	137	137	136
FORWARD L. P. ROTOR BEARING	132	130	132	133	131	132
AFT. L.P. ROTOR BEARING	126	128	128	129	128	128
HOTTEST GEAR BEARING FORWARD	158	160	157	157	158	157
HOTTEST GEAR BEARING AFT	146	148	145	146	148	145
AUX. COND. CONDENSATE	116	116	112	108	116	114
1ST STAGE FEED WATER HEATER	155	154	158	156	160	156
D. C. FEED WATER HEATER	239	240	236	237	240	238
~~3RD STAGE FEED WATER HEATER~~ Rotor H.P. / L.P.	.050 / .16	—	—	—		
BOILER PARTICULARS: F.O. TO BURNERS P / S	200/200	200/200	200/200	200/200	200/200	210/210
F. O. BACK PRESSURE	12					
AIR TO FURNACE	5.2/5.4	5.2/5.2	5.2/5.2	5.2/5.2	5.2/5.0	5.3/5.5
~~UPTAKE~~ Salinity	.41	.41	.41	.41	.41	.41
MAIN STEAM	440	440	440	440	440	440
TEMPERATURES: SUPER HEAT	690		690	685	690	695
F.O. TO BURNERS	190/190	190/190	190/190	190/190	196/190	190/190
F.O. TEMP. IN SETTLING TANKS P / S	95/110	110/100	100/110	105/110	105/110	105/110
PORT BOILER UPTAKE	340	330	340	340	345	335
STBD. BOILER UPTAKE	345	325	330	330	350	335
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	83	81	82	83	84	82
FIRE ROOM TEMPERATURE	83	81	82	83	84	82
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'2"	1'2"	1'2"	1'2"	1'2"	1'2"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	690	9	120	110		62	1500	1450	235
1600 TO 2000	1	1200	440	690	9	118	110		62	1350	1400	235
2000 TO 2400	1	1200	440	690	9	120	110		62	1350	1350	235
2400 TO 0400	1	1200	440	685	9	120	118		62	1400	1400	235
0400 TO 0800	1	1200	440	690	9	120	110		62	1450	1500	235
0800 TO 1200	1	1200	440	695	9	120	110		62	1500	1500	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	11541170	BOILER WATER — ON HAND AT START OF DAY	197
	METER PREVIOUS NOON	11529010	EVAPORATED OR RECEIVED	31
	CONSUMED BY METER	12160	ON HAND	163
	ON HAND AT START OF DAY	11,367	CONSUMED	45
	RECEIVED DURING DAY	-0-	LUBE OIL — ON HAND AT START OF DAY	1995
	EXPENDED DURING DAY	710	RECEIVED	-0-
	REMAINING ON BOARD	10,657	ON HAND	1990
DOMESTIC WATER	ON HAND AT START OF DAY	778	CONSUMED	5
	EVAPORATED OR RECEIVED	149	DIESEL OIL	1168
	ON HAND	721 ~~206~~	ON HAND	1165
	CONSUMED	206	CONSUMED	3

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

4 4 4⅓ 4⅓ 4

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	4⅓	4⅓	4⅓	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	12.69
DETENTION TIME	—	BBL FUEL/MI	1.34 / 1.54
TOTAL REVOLUTIONS	141,715	WIND DIRECTION	275°
AVERAGE R.P.M.	94.5	STATE OF SEA	10'
TOTAL MILES BY ENGINE	528	STATE OF WEATHER	69°
TOTAL MILES BY OBSERVATION	461		

REMARKS

1200-1600 WATCH
UNderway on 18 Nozz Mach Inoperation #1&2 Boilers 1&2 F.D. Blowers 1&2 F.O.S. Pumps 1&2 MN F.D. Pumps. MN A.R. Compressor. MN Air Ejector. MN Circ & Cond pumps. L.O. purifier. L.O.S. pump. #1 Aux Generator. Aux Air Ejector Circ & Cond pumps. Over to main. Fire & San pump. Port Steering Gear. Daily test of main Throttle. Changed & Cleaned Center F.O. burners & P/S disch. strainers. Pumped up Port Settlers From #3 C DB. Checked Steering E.R. Gear. Pumped Bilges. Elect Completed Cleaning #2 Aux Generator. Added 1 Gal L.O. each to #1&2 MN F.D. pump. Made Routine Rounds on mach & Engs Spaces. Complied with Comsts 4700.7

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Underway 18 Nozzles machinery In operation As Before Blew Tubes Port & stbd Boilers @ 1600. Changed & Cleaned F.O. Burners & suct. strainer. Complied with Comsts. 4700.7 Pumped Bilges. Checked Steering Eng. Room.

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH
Underway, Steaming 18 Nozz, Cleaned & Changed top burners #1&2 Boilers Shift & Clean F.O. Disch strainers P&S, Shift & Clean L.O. strainer #1 turbo Gen. Retarded ships Clock 20 Minutes @ 1050 Made Rounds & Insp of Mach & Eng spaces, pumped bilges, Comp with Comsts Inst 4700-7

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH
UNderway on 18 Nozz Mach As Before Changed & Cleaned Center F.O. burners & P/S disch. strainers. Daily test of stby L.O. pump. Retarded Clocks 20 mins @ 0100 Inspected & Cleaned MN L.O. disch strainer. Held Engs Casualty drill B-17 Water Glass Carries Away on Boiler Watch 1st. & Bridge notified 0100-0130 Pumped up Port Settlers From #3 C DB & #2 P/S DB tks. Checked Steering E.R. Gear. Pumped Bilges Added 1 Gal L.O. to #1 MN Feed Pump. Made Routine Rounds on Mach & Engs Spaces. Complied with Comsts 4700.7

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Underway 18 Nozzles machinery In operation As Before Changed & Cleaned F.O. Burners & suct. strainer. Retard clock 20 min. @ 0500. Held Eng. Casualty Drill B-17 from 0500 TO 0530 4 men Present Bridge notified. complied with Comsts 4700.7 Pumped Bilges. Checked Steering Eng. Room.

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH
Underway, Steaming 18 Nozz, 0800 to 0830 Blew tubes on #1&2 Boilers 0830 to 0900 Held Eng Casualty Drill B-17. 4 men present Bridge Notified Cleaned & Changed top burners P&S, Shift & clean F.O. Disch strainers P&S. Shift & Clean L.O. strainer #1 Generator, Made Rounds & Insp of Mach & Eng spaces, Complied With Comsts Inst 4700-7

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER
4-19-67- 2000-2400 Made Weekly Inspection of all Fire Fighting Equipt - all in good working order, Fire Ext up to Weight & Seals intact.

BOILER WATER READINGS

STB'D	PORT
HOURS 1342	HOURS 243
AKL 9.93	AKL 8.76
T-AKL 13.43	T-AKL 12.26
SAL. 3.31	SAL. 2.91
PHOS. 30	PHOS. 30
R.ph 11	R.ph 10
SO3 35	35
Ph.Cond. 8.0	

CHIEF ENGR'S SIGNATURE- [illegible signature]