

ENGINE ROOM LOG

#1

GEARED TURBINE DRIVE



USNS GEN John Pope

FROM July 1 1966 TO July 31 1966

USNS GEN. JOHN POPE (T-AP 110)
c/o Fleet Post Office
San Francisco, California

From: Chief Engineer
To: Engineering Officers

Subj: Machinery Code for Log Books

1. The following Code Letters and Numbers will be used to indicate the Machinery in operation. All machinery not listed shall be logged by name.

MACHINERY

BOILERS (4)
MAIN GENERATORS (4)
MAIN CIRC. PUMP (2)
MAIN COND PUMP (4)
MAIN AIR EJECTOR (RED)
MAIN AIR EJECTOR (GREEN)
AUX. CIRC. PUMP (4)
AUX. COND. PUMP (4)
AUX. AIR EJECTOR (RED)
AUX. AIR EJECTOR (GREEN)
No.1 EVAPORATOR & PUMPS
No.2 EVAPORATOR & PUMPS
FORCED DRAFT BLOWERS (4)
MAIN FEED PUMPS (4)
FUEL OIL SERVICE PUMPS (4)
MAIN AIR COMPRESSOR (2)
CONTROL AIR COMPRESSOR
PORTABLE WATER PUMPS (4)
LUBE OIL SERVICE PUMPS (4)
STBD STEERING GEAR
PORT STEERING GEAR
FIRE & SANITARY PUMPS (4)
LUBE OIL CENTRIFUGE (2)
STBY F.O. SERV. PUMP (2)
STBY F.O. WATER PUMP (2)
BILGE/BALLAST PUMP (2)
SANITARY PUMPS (2)
AIR CONDITION UNIT 1
AC CIRC. PUMP 1
AC CHILL WATER PUMP 1
CONT. EVAP 2
M.U.F. EVAP 2

CODE

B-1, B-2, B-3, B-4
G-1, G-2, G-3, G-4
M-1, M-2
MC-1, MC-2, MC-3, MC-4
ME-R
ME-G
A-1, A-2, A-3, A-4
AC-1, AC-2, AC-3, AC-4
AE-R
AE-G
E-1
E-2
D-1, D-2, D-3, D-4
P-1, P-2, P-3, P-4
F-1, F-2, F-3, F-4
C-1, C-2
C-2
W-1, W-2, W-3, W-4
L-1, L-2, L-3, L-4
S-1
S-2
FS-1, FS-2, FS-3,
LC-1, LC-2
S.F.O.-1, S.F.O.-2
S.F.W.-1, S.F.W.-2
BB-1, BB-2
SP1-2P2
A. Con-
A.C.C.P
A.C.C.W
Con. E
M.U.F.E.

INSTRUCTIONS

1. The entries in this book will be made neatly and legibly by the engineer or other person directly in charge of the machinery of the ship, and with pen and ink or idelible pencil. No erasures nor the removal of any pages will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or idelible pencil and writing in the correct data, followed by the initials of the person making the change. The greatest care shall be used in keeping the log book to insure absolute accuracy in all particulars.
2. All entries of time shall be made on the 24-hour basis, noon-to-noon.
3. Under the heading "REMARKS" a careful, detailed record of the events occurring daily in the engine department shall be entered in the log book, including violations of orders or regulations. Entries should be preceded by the time when pertaining to important tests, casualties, injuries, etc.
4. Entries regarding the following shall also be made when occurring:
 - (a) Repairs accomplished during watches.
 - (b) Faulty or erratic operation or failure of machinery.
 - (c) Any important changes in machinery of any nature or additions thereto.
 - (d) Remetalling of bearings; fitting new piston rings; reboring cylinders; renewing pump parts, metallic packing, important valves, propeller, shafting, stern bearing, zinc protection bars and rings outboard, strainers, etc.; details to be recorded in Machinery History.
 - (e) Pumping of bilges.
 - (f) Blowing of tubes (*not applicable to Diesel and Diesel Electric*).
 - (g) Examining holding down bolts.
 - (h) Fuel and water taken aboard. The fuel account shall be carefully kept and the quantity consumed each day accurately ascertained.
 - (i) Record of special tests, i.e., running idle pumps, reach rods to valves, hydrostatic.
 - (j) Derelictions or deficiencies developed on the part of any member of the engine department.
 - (k) Filtering and cleaning elements installed in fuel and lube oil lines.
5. In twin screw ships when the machinery for each propeller is in separate Engine rooms, two books shall be utilized and each book shall be properly marked to indicate to which Engine room machinery it applies. When both Engines of a twin screw ship are in the same Engine space, proper identification of operating machinery will be pre-printed on each page or hand written on each page prior to daily operations.
6. The log books shall be retained on board unless required temporarily by the administrative commander and destroyed when three years old.

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
GEN JOHN POPE		3B		CAMRANH BAY		YOKOHAMA		P2		FRI 1 JULY 66	

	WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME				240	240	240					160	FG1	161	
DETENTION TIME											150	148	150	
REVOLUTION COUNTER (END OF WATCH)			0274 8190	0277 1570	95030	0281 8390					113 113	112	112 115	
TOTAL REVOLUTIONS (FOR WATCH)				23390	23460	23360					162	162	162	
AVERAGE RPM				97.4	97.8	97.3					240	240	238	
F.O. METER (END OF WATCH)			1501 780	8504 660	507760	8510 530								
F.O. CONSUMED				2880	3100	2770								
PRESSURES	THROTTLE			450	445	445					740	770	765	
	H.P. AHEAD			425	425	425					740	665	655	
	L.P. AHEAD			28	28	28					185	185	185	
	VACUUM			28"	28"	28"					146	146	144	
	L.O. TO TURBINES			13.5	13.5	13.5					138	146	144	
	AUX. STEAM			150	150	150					100	106	96	
	BACK PRESSURE			9	9	9					98	104	96	
	GLAND STEAM			3	2	2					335	345	320	
	H.P. BLEEDER										320	320	310	
	I.P. BLEEDER			7	7	7					F.O. BACK PRESSURE	12		
L.P. BLEEDER			6	6	6					MAIN STEAM	465	460	460	
TEMPERATURES	STEAM AT THROTTLE			710	710	710					F.O. TO BURNERS	230	225	225
	L. P. EXHAUST			119	115	115					MAIN COND. SALINITY	41	0.41	.4
	CONDENSATE			115	112	110					ENGINE ROOM TEMPERATURE	96	100	95
	CIRC. WATER IN			85	85	84					WATER TEST	41	.41/7	.4
	CIRC. WATER OUT			99	98	96					NOZZLES IN USE	18	18	18
	L.O. TO COOLERS			127	127	126					NO. OF BURNERS IN USE	3	3	3
	L.O. FROM COOLERS			110	110	109						3	3	3
	TEMPERATURE THRUST BEARING			118	118	118					BURNER TIP SIZE	53/70	53/70	53/70
	FORWARD H.P. ROTOR BEARING			133	133	134						53/70	53/70	53/70
	AFT. H.P. ROTOR BEARING			136	136	136					CO ₂ % PORT BOILER	12.5	12.5	13.
FORWARD L.P. ROTOR BEARING			132	131	132					CO ₂ % STBD. BOILER	13	13	13.5	
AFT. L.P. ROTOR BEARING			132	131	132					OIL LEVEL MAIN SUMP	N	N	N	

WATCH	GENERATORS										FUEL - WATER AND LUBE OIL															
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED	CONSUMED
1200 TO 1600																										
1600 TO 2000																										
2000 TO 2400																										
2400 TO 0400	1	1200	450	740	9	124	115		62	700	-	240														
0400 TO 0800	2	1200	450	740	7	147	133		70	700	-	240														
0800 TO 1200	1	1200	460	740	9	125	116		62	700	700	240														
	2	1200	460	740	7	148	134		70	700	700	240														

LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
12	4HRS	1-2/4	*142	4hrs.	

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			

SUMMARY			
RUNNING TIME	720	PROPELLER SLIP (%)	10.1
DETENTION TIME	✓	BBL FUEL/MI	1.65-1.83
TOTAL REVOLUTIONS	68,910	WIND DIRECTION	210°-18K4
AVERAGE R.P.M.	95.7	STATE OF SEA	215°-4'
TOTAL MILES BY ENGINE	257	STATE OF WEATHER	Cloudy
TOTAL MILES BY OBSERVATION	232	H2E1	19.25 K42

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

UNDERWAY ON 18 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1+B2 - G1+G2 F.O. No 3
 M1-MC1 - MER - E1+E2 - D1+D2 - P1+P2 - F1+F2 - C1-L1 - S2 - FS1 - LC1 - A.CON - Accw - Accp - F.W. No 5 E
 COMPLYING W/ NIGHT + STANDING ORDERS - HELD ENG. CASUALTY DRILL E-6 0100 TO 0130, 4 MEN MUF 16.4
 PRESENT, BRIDGE NOTIFIED - CHANGED + CLEANED TOP F.O. BURNERS BOTH BOILERS MUV. 5.3
 PUMPED BILGES EVAP 1+2
 GAL. D. 9900

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES / CONDITIONS AS BEFORE / WATER GAGE F.O. 5-INBD
 GLASSES BLOWN / BOILER CONDSTE. TESTS / F.O. + MN. L.O. STRAINERS FW 3 PORT
 CLEANED / REGISTER'S AND WIND BOX DRAIN HOLES FREE / BOILER'S EXT. MUF 16.4
 EXAM. / MACHINERY SPACES + STEERING GEAR INSPECTED / SIMULATED GAL. D. 9100
 ENG. CASUALTY DRILL E-6, OIL FIRE IN E.R. BILGES (4 MEN) 0530 - 0540
 BRIDGE NOTIFIED / E.R. BILGES PUMPED / COMPLIED W/ DEPT. ORDERS /
 CH/ENGR IN E.R. 0635 - 0645

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

Machinery as Before, Except; Below Pumps #1 & 2 Boilers 0800-0815 -
 Transferred Fuel oil From B& to Port Inboard & Port Outboard Settlers -
 Changed & cleaned Port Fuel oil Hot Strainers - changed to outboard
 Settlers @ 1130 - Pumped Eng. Spaces Bilges

F.O. OUTBD.
 F.W. 3E
 MUF 16.4
 MUV. 8.6
 EVAP. 1E2 - 3E
 GAL. D. - 9100

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

2 BOILER 1

10.51 P. ALK 11.70
 1577 T. ALK 16.35
 4.14 CHLO 4.14
 45 PH. 4 45
 58 SC. 3 68
 10.5 PH 10.5
 3802 WS. HRS. 3630
 1152 FS. HRS. 1118

CHIEF ENGR'S SIGNATURE-

		WATCH								WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME		240	240	220	220		240			HOTTEST GEAR BEARING FORWARD	161	161	160	160	160	160
DETENTION TIME										HOTTEST GEAR BEARING AFT	150	150	148	150	149	148
REVOLUTION COUNTER (END OF WATCH)		0284 2030	65380	0288 6780	0290 810	29230	0295 2320			AUX. COND. CONDENSATE	111/11	109	112/110	112/110	108	106 110
TOTAL REVOLUTIONS (FOR WATCH)		236 2030	23350	21400	21330	21120	23090			1ST STAGE FEED WATER HEATER	160	160	162	162	157	156
AVERAGE RPM		90.4	97.3	97.1	97.1	96.1	96.2			D. C. FEED WATER HEATER	240	240	237	240	240	238
F.O. METER (END OF WATCH)		8513 460	16260	8518 860	8521 456	24060	8526 750			3RD STAGE FEED WATER HEATER						
F.O. CONSUMED		2870	2860	2600	2590	2610	2690									
PRESSURES	THROTTLE	450	440	445	445	445	445			SUPER HEAT	P 740	775	710	740	760	700
	H.P. AHEAD	425	425	425	425	425	425			S 740	775		740	760	700	
	L.P. AHEAD	28	28	27	27	27	24			F.O. TO BURNERS	185	185	185	185	185	185
	VACUUM	28"	28"	28"	28"	28"	28.2"			AIR TO FURNACE	P 144	142	142	142	140	140
	L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5	13.5			S 136	142	136	136	140	135	
	AUX. STEAM	150	150	150	150	150	150			F.O. TEMP. IN SETTLING TANKS	P 106	108	110	110	107	92
	BACK PRESSURE	9	9	9	9	9	9			S 106	112	108	110	108	94	
	GLAND STEAM	3	2	2	2.5	2.5	2.5			PORT BOILER UPTAKE	340	315	330	335	345	310
	H.P. BLEEDER									STBD. BOILER UPTAKE	315	310	325	330	340	300
	I.P. BLEEDER	7	7	7	7	7	7				F. O. RETURN PRESSURE		12		12	
L.P. BLEEDER	6	6	7	7	7	8				MAIN STEAM	460	450	460	460	460	460
TEMPERATURES	STEAM AT THROTTLE	715	700	710	710	700	700			F.O. TO BURNERS	210	200	210	200	200	200
	L. P. EXHAUST	114	113	114	114	112	108			MAIN COND. SALINITY	.41	.41/7	.4	.83	.41/7	.4
	CONDENSATE	112	109	112	112	108	106			ENGINE ROOM TEMPERATURE	94	100	91	91	100	91
	CIRC. WATER IN	83	83	83	83	83	80			DEW POINT	.4	0.41	.4	.4	0.41	.4
	CIRC. WATER OUT	96	96	96	96	96	90			NOZZLES IN USE	18	18	16	16	16	16
	L.O. TO COOLERS	128	127	126	127	127	126			NO. OF BURNERS IN USE	P 3	3	3	3	3	3
	L.O. FROM COOLERS	110	110	108	110	110	108			S 3	3	3	3	3	3	3
	TEMPERATURE THRUST BEARING	118	118	118	118	118	118			BURNER TIP SIZE	P 53/70	53/70	53/70	53/70	53/70	53/70
	FORWARD H.P. ROTOR BEARING	133	132	133	133	133	132			S 53/70	53/70	53/70	53/70	53/70	53/70	53/70
	AFT. H.P. ROTOR BEARING	138	138	137	138	138	137			CO ₂ % PORT BOILER	13	12.5	12.5	13	12.5	13
MISCELLANEOUS	FORWARD L.P. ROTOR BEARING	134	132	134	133	131	133			CO ₂ % STBD. BOILER	13.5	12.5	13	13	12.5	13
	AFT. L.P. ROTOR BEARING	133	132	132	132	131	132			OIL LEVEL MAIN SUMP	N	N	N	N	N	N

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL							
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL	
1200 TO 1600	1	1200	440	740	9	122	112		62	725	-	240	METER AT NOON	84.550		ON HAND AT START OF DAY	161			
													METER PREVIOUS NOON	52.900		EVAPORATED OR RECEIVED	37			
1600 TO 2000	2	1200	440	740	7	144	132		72	725	-	240	CONSUMED BY METER	31.650		ON HAND	146			
	1	1200	440	775	9	122	111		62	650	650	240	ON HAND AT START OF DAY	2775		CONSUMED	52			
													RECEIVED DURING DAY	-		ON HAND AT START OF DAY				
													EXPENDED DURING DAY	753		RECEIVED				
2000 TO 2400													REMAINING ON BOARD	2022		ON HAND				
	2	1200	445	735	9	120	111		62	700	700	240	ON HAND AT START OF DAY	1297		CONSUMED				
													EVAPORATED OR RECEIVED	76		ON HAND				
													ON HAND	1293		RECEIVED				
2400 TO 0400													CONSUMED	80		CONSUMED				
	1	1200	445	740	9	121	111		62	650	-	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)							
													No. 1 4 HRS	No. 1 4 hrs	No. 1 4 hrs	No. 1 3 2/3	No. 1 1-3 2/3	No. 1 2 1/2 hrs.		
	2	1200	445	735	7	144	130		72	700	700	240	L.O. CENTRIFUGE - HOURS OPERATED							
0400 TO 0800													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
													4	4	3 2/3	3 2/3	3 2/3	4		
	1	1200	445	760	9	121	111		62	650	650	240	SUMMARY							
													RUNNING TIME	1380		PROPELLER SLIP (%)	10.6			
0800 TO 1200	2	1200	445	760	7	141	131		72	650	650	240	DETENTION TIME	✓		BBL FUEL/MI	1.54-1.72			
													TOTAL REVOLUTIONS	130.940		WIND DIRECTION	260°-12 Kts			
	1	1200	445	730	9	120	108		62	1000	1000	240	AVERAGE R.P.M.	94.88		STATE OF SEA				
													TOTAL MILES BY ENGINE	488	✓	STATE OF WEATHER	Cloudy			
	2	1200	445	730	7	142	130		70	1000	1000	240	TOTAL MILES BY OBSERVATION	436		Sp-18.95	A2 79°			

1200-1600 WATCH

UNDERWAY ON 18 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1+B2-G1+G2-M1-M2
MER-E1-D1+D2-P1+P2-F1+F2-C1-L1-S2-FS1-LC1-A.CON-ACCW-ACCP-COMPLYING W/ NIGHT
AND STANDING ORDERS - CHANGED + CLEANED L.O. STRAINER MN. TURBINE - PUMPED BILGES
CHANGED OVER + CLEANED STBY F.O. DISCH. STRAINER - 1515 BLEW TUBES BOTH BOILERS
W/BIDGE PERMISSION - 1535 SEC. BLOWING TUBES

F.O. No. 4
F.W. No. 34
MUF 17.5
M.U. 4.2
EVAP No. 1
GAL. D. 7600

WATCH ENGR'S SIGNATURE-

AL Kober

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES / CONDITIONS AS BEFORE / F.O. BURNERS & STRAINERS
CLEANED / MN. L.O. STRAINER CLEANED / BURNER REGISTER'S & WINDBOX DR. HOLES FREE /
BOILER & CONDSTE TESTS / BOILER EXTERIOR EXAM. / MACHINERY SPACES AND STE-
ERING GEAR CHECKED / E.R. BILGES PUMPED / REDUCE SPEED TO 16 NOZ @ 2000 -
B/O CH/ENGR & BRIDGE / 1/2 GAL. L.O. ADDED TO #1 MN FO PUMP

F.O. No. 4 OUTBD
F.W. 34
MUF DB 18.0
M.U. 5
EVAP #38
GAL. D. 4900

WATCH ENGR'S SIGNATURE-

CW Frey

2000-2400 WATCH

Machinery as Before, except; Reduced Speed to 16 Nozzles
@ 2000 B/O - changed & cleaned Lower Fuel oil Burners - J. Frig.
Sterilizing - Set clock ahead 20 minutes @ 2237 - changed to Outboard
Settles @ 2330 - Pumped J. Frig. Space Bilges -

F.O. INBD
F.W. 37.5
MUF DB 18.1
M.U. 7.5
EVAP 38
GAL. D. 5000

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING W/ NIGHT + STANDING F.O. No. 3
ORDERS - 0100 ADVANCED CLOCK 20 MIN - CHANGED + CLEANED TOP F.O. BURNERS BOTH F.W. 34
BOILERS - MN. COND. TESTS HIGHER THAN IT EVER HAS - PUMPED BILGES - MADE 30 NEW MUF 13.1
GASKETS FOR F.O. BURNERS

M.U. 8.4
EVAP No. 1
GAL. D. 4100

WATCH ENGR'S SIGNATURE-

AL Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES / CONDITIONS AS BEFORE / P/S WATER GAGE GLASSES F.O. 5 INBD
BLOWN / BOILER & CONDSTE. TESTS / F.O. & MN. L.O. STRAINERS CLEANED. / F.W. 34
BURNER REGISTER'S & WINDBOX DRAIN HOLES FREE / ADVANCED CLOCK 20 MIN. MUF DB 18.1
@ 0420, CLOCK 1 MIN SLOW / BOILER EXT. EXAM. / MACHINERY SPACES AND STEERING
GEAR INSPECTED / COMPLIED W/ DEPT. ORDERS / E.R. BILGES PUMPED /

F.O. 5 INBD
F.W. 34
MUF DB 18.1
M.U. 6.5
EVAP 38
GAL. D. 5300

WATCH ENGR'S SIGNATURE-

CW Frey

0800-1200 WATCH

Machinery as Before, except; Secured A. CON - Unit @ 0805 - Secured
Boilers #1 & 2 @ 0810 - 0825 - Shifted Electric Load to Dist. Plant @
0830 & Split Plants Electrically - Transferred Fuel oil from B & D to Port Inboard
& Port Outboard Settles - changed & cleaned Port Fuel oil hot strainers - First
Asst. Frig. & Utility main making on Bidge Pump - changed to Outboard Settles @ 1130 -
Pumped J. Frig. Space Bilges -

F.O. OUTBD
F.W. 34
M.U. F-DB 18.1
M.U. 8.6
EVAP #134
GAL. D. - 3100

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

F.O. TRANS No 8 & 2 inboard + outboard both.

BOILER

2	1
704 P. ALK	704
1036 T. ALK	1036
497 CHLO	497
40 IN. 4	40
73 SO. 3	73
10.5 TH	10.5
3846 WS. HRS.	3654
1176 FS. HRS.	1142

CHIEF ENGR'S SIGNATURE-

J. O'Halloran

USNS GEN. JOHN POPE VOYAGE NO. 38 FROM CAMRAHN BAY TO YOKOHAMA TYPE OF VESSEL P-2 DATE 2-3 July 66 SAT + SUN

		WATCH								WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME		240	240	140	240	240	136	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD	161	161	160	160	240	
DETENTION TIME										HOTTEST GEAR BEARING AFT	150	150	148	148	135	
REVOLUTION COUNTER (END OF WATCH)		0297 5470	98460	0302 1630	0304 4700	65900				AUX. COND. CONDENSATE	106/106	106	107/106	100/100	92	
TOTAL REVOLUTIONS (FOR WATCH)		23150	22990	23170	23070	21200				1ST STAGE FEED WATER HEATER	156	156	156	154	100	
AVERAGE RPM		96.4	95.8	96.5	96.1	88.4				D. C. FEED WATER HEATER	240	240	238	240	240	
F.O. METER (END OF WATCH)		8529 400	32050	8534 850	8537 380	89660	8540 860			3RD STAGE FEED WATER HEATER						
F.O. CONSUMED		2650	2650	2800	2530	2280	1700									
PRESSURES	THROTTLE	450	450	445	445	440		BOILER PARTICULARS TEMPERATURES	SUPER HEAT	P	750	800	710	740	740	
	H.P. AHEAD	430	435	425	425	275			S	750	800	840	740	740		
	L.P. AHEAD	23	23	26	22	6			F.O. TO BURNERS		185	185	165	165	155	
	VACUUM	28"	28"	28.2"	28"	28.5"			P	140	140	142	140	130		
	L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5			S	135	140	135	134	130		
	AUX. STEAM	150	150	150	150	150			P	98	94	112	112	96		
	BACK PRESSURE	9	9	9	9	9			S	105	94	108	110	98		
	GLAND STEAM	3	2	2	3	2			PORT BOILER UPTAKE		330	297	305	320	298	6
	H.P. BLEEDER								STBD. BOILER UPTAKE		310	297	315	310	298	2
	I.P. BLEEDER	7	7	7	7				F. O. BACK PRESSURE		12	10	10	10	10	
L.P. BLEEDER	6	6	7"	7			MAIN STEAM		470	460	460	460	480			
TEMPERATURES	STEAM AT THROTTLE	950	685	710	720	610		MISCELLANEOUS	F.O. TO BURNERS		200	200	200	160	180	
	L. P. EXHAUST	108	107	109	106	95			MAIN COND. SALINITY		.83	0.41	.4	.4	0.41	0.41
	CONDENSATE	104	106	105	102	92			ENGINE ROOM TEMPERATURE		91	100	91	86	90	
	CIRC. WATER IN	78	78	80	75	75			FIRE ROOM TEMPERATURE							
	CIRC. WATER OUT	90	91	92	86	80			NOZZLES IN USE		16	16	16	14	10	
	L.O. TO COOLERS	128	128	126	127	128			NO. OF BURNERS IN USE	P	3	3	3	3	2	
	L.O. FROM COOLERS	110	110	109	110	110			S	3	3	3	3	2		
	TEMPERATURE THRUST BEARING	118	118	118	118	118			P	53/70	53/70	53/70	53/70	53/70	53/70	
	FORWARD H.P. ROTOR BEARING	132	132	132	132	130			S	53/70	53/70	53/70	53/70	53/70	53/70	
	AFT. H.P. ROTOR BEARING	138	137	137	137	130			BURNER TIP SIZE		13	12.5	13	12.5	13.5	
FORWARD L.P. ROTOR BEARING	133	133	134	133	128		CO ₂ % PORT BOILER		13	130	13	12	13.5			
AFT. L.P. ROTOR BEARING	133	132	132	132	128		CO ₂ % STBD. BOILER		13	130	13	12	13.5			
								OIL LEVEL MAIN SUMP		N	N	N	N	N	N	
								D.W.		.4	0.41	.4	.4	0.41		

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	ON HAND AT START OF DAY	BOILER WATER	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	1	1200	450	750	9	120	111		62	1050	-	240	112.390	146		30	149
	2	1200	450	750	7	143	130		72	1050	-	240	84.550				27
1600 TO 2000	1	1200	450	730	9	120	110		62	1000	1000	240	27.840				
	2	1200	450	730	7	142	129		72	1000	1000	240	2022				
2000 TO 2400	1	1200	445	740	9	120	110		62	1000	1000	240	662				
	2	1200	445	740	7	142	130		70	1000	1000	240	1360				
2400 TO 0400	1	1200	445	740	9	117	108		62	950	-	240	1293				
	2	1200	445	740	7	140	127		70	850	-	240					
0400 TO 0800	1	1200	440	740	9	115	105		62	850	850	240					
	2	1200	440	740	7	138	125		70	850	850	240					
0800 TO 1200	1	1200	445		9	113	107		62	1000	1000	240					
	2	1200	445		7	138	124		70	1000	1000	240					
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)												L.O. CENTRIFUGE - HOURS OPERATED					
4HRS 1-2/4 4HRS 1-2/4												SUMMARY					
												RUNNING TIME					
												DETENTION TIME					
												TOTAL REVOLUTIONS					
												AVERAGE R.P.M.					
												TOTAL MILES BY ENGINE					
												TOTAL MILES BY OBSERVATION					

Arr @ 0950 = S Ch. 03077880, T. Ch. 03071010, S. Form = 2414340 - P = 5926200

REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1+B2 - C1+C2 - M1
MCI-MER-E1+E2 - D1+D2 - P1+P2 - F1+F2 - C1-L1 - S2 - FSI-LC1 - COMPLYING W/ NIGHT + STANDING ORDERS
CHANGED OVER + CLEANED MN. UNIT L.O. STRAINER - CHANGED OVER + CLEANED SHUT OFF DISCHARGE STRAINER,
PUMPED BILGESER - 1515 BLEW TUBES BOTH BOILER W/ BRIDGE PERMISSION - 1535 SEC BLOWING TUBES

WATCH ENGR'S SIGNATURE -

AL Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / CONDITIONS AS BEFORE / P/S WATER GAGE GLASSES
BLOWN / F.O. MN. L.O. STRAINERS & BURNERS CLEANED / REGISTER'S WIND-
BOX DR. HOLES CLEAR / BOILER'S & CONDSTE. TESTS / P/S BOILER EXTERIOR EXAM.
MACHINERY SPACES & STEERING GEAR INSPECTED / COMPLIED W/ DENT ORDERS / W.T.O.
SECURED FR BRIDGE @ 1915 /

F.O. P. OUTBO
FW 34
MUF 08/1 P. 1
MUU 5
EVAP Port
GAL.D 7500

WATCH ENGR'S SIGNATURE -

C. W. Frey

2000-2400 WATCH

Machinery as Before, Except; changed & cleaned Lower Fuel
oil Burners - changed & cleaned #1, Generator Lube oil Strainers -
changed to Inboard Settler @ 2320 - Pumped Fog. Spray Bilge

F.O. INBD.
FW - 34
MUF DB/1P
MUU - 4.9
EVAP - #12 - 34
GAL.D. - 9300

WATCH ENGR'S SIGNATURE -

M. Fry

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING W/ NIGHT + STANDING ORDERS
CHANGED AND CLEANED TOP F.O. BURNERS IN BOTH BOILERS - 0200 REDUCED SPEED TO 14
NOZZLES BY ORDER OF BRIDGE -

WATCH ENGR'S SIGNATURE -

AL Kober

0400-0800 WATCH

UNDERWAY ON 14 NOZZLES / MACHINERY AS BEFORE / F.O. MN. L.O. STRAINER
CLEANED / P/S GAGE GLASSES BLOWN / BOILER'S & CONDSTE. TESTS / P/S BOILER
EXTERIOR EXAM. / REGISTER'S WINDBOX DRAIN HOLES CLEAR / MACH'Y
SPACES & STEERING GEAR INSPECTED / DECREASED SPEED TO 80 RPM
@ 0645 B/O BRIDGE / ALL EXTRACTION VALVES SEC. & GLAND SEAL EXCESS LH OFF /
75 RPM @ 0712 /

F.O. S-INBD
FW 34
MUF 1P/DB
MUU 6T
EVAP —
GAL.D —

WATCH ENGR'S SIGNATURE -

C. W. Frey

0800-1200 WATCH

Machinery as Before, Except; Blew inboard #1 & 2 Boilers 0815-0830 -
Lit off aux. air ejector & split Vign Suction @ 0830 - Underway on Maneuvering Speed
@ 0950 - arrival, Yokosuka Japan @ 1036 - Shaft Counter 03077800 - Tach. counter 03071010
S.FOM - 2614390 P.FOM - 5926200 Bulbs on Bow Bell Book - A. 2h. f. @ 1150 Shaft
Counter Tach. Counter 03074350 S.FOM - 2614550 P.FOM - 5926350 Bilge @
Safe Level

F.O. —
FW —
MUF DB/1P
MUU - 8.6
EVAP —
GAL.D. —

WATCH ENGR'S SIGNATURE -

M. Fry

CHIEF ENGINEER

F.O. TRANSFER No. 8 & TO P-INBOARD

2 BOILER 1

7.46 P. ALK 1168

1036 T. ALK 1752

497 CHLO 539

50 PH. 4 45

70 SO. 3 70

10.5 V. 10.5

3870 PS - 3678

1800 PS - 1166

CHIEF ENGR'S SIGNATURE -

J. O'Halloran

A 6025 FWE @ 1150.

USNS		John Pope #1		VOYAGE NO.		3-10		FROM		@ Yokosuka Japan		TO		TYPE OF VESSEL		DATE		3/4 July 1966									
		WATCH														WATCH											
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200				1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200	
RUNNING TIME																											
DETENTION TIME																											
REVOLUTION COUNTER (END OF WATCH)																											
TOTAL REVOLUTIONS (FOR WATCH)																											
AVERAGE RPM																											
F.O. METER (END OF WATCH)														8541 400													
F.O. CONSUMED														540													
PRESSURES		THROTTLE														HOTTEST GEAR BEARING FORWARD											
		H.P. AHEAD														HOTTEST GEAR BEARING AFT											
		L.P. AHEAD														AUX. COND. CONDENSATE											
		VACUUM												26 29"		1ST STAGE FEED WATER HEATER											
		L.O. TO TURBINES												11		D. C. FEED WATER HEATER											
		AUX. STEAM												150		3RD STAGE FEED WATER HEATER											
		BACK PRESSURE												9		SUPER HEAT P											
		GLAND STEAM												3		S											
		H.P. BLEEDER														F.O. TO BURNERS											
		I.P. BLEEDER														AIR TO FURNACE P											
TEMPERATURES		STEAM AT THROTTLE														F.O. TEMP. IN SETTLING TANKS P											
		L. P. EXHAUST												175		S											
		CONDENSATE												92		PORT BOILER UPTAKE											
		CIRC. WATER IN												73		STBD. BOILER UPTAKE											
		CIRC. WATER OUT												74		F. O. BACK PRESSURE											
		L.O. TO COOLERS												94		MAIN STEAM											
		L.O. FROM COOLERS												94		F.O. TO BURNERS											
		TEMPERATURE THRUST BEARING														MAIN COND. SALINITY											
		FORWARD H.P. ROTOR BEARING														ENGINE ROOM TEMPERATURE											
		AFT. H.P. ROTOR BEARING														FIRE ROOM TEMPERATURE											
FORWARD L.P. ROTOR BEARING														NOZZLES IN USE													
AFT. L.P. ROTOR BEARING														NO. OF BURNERS IN USE P													
														S													
														P													
														S													
														CO ₂ % PORT BOILER													
														CO ₂ % STBD. BOILER													
														OIL LEVEL MAIN SUMP													
														N													

WATCH		GENERATORS												FUEL - WATER AND LUBE OIL											
		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	16 080	ON HAND AT START OF DAY	149								
													METER PREVIOUS NOON	12 390	EVAPORATED OR RECEIVED	-									
													CONSUMED BY METER	3690	ON HAND	132									
													ON HAND AT START OF DAY	1360	CONSUMED	17									
													RECEIVED DURING DAY	12.000	ON HAND AT START OF DAY										
													EXPENDED DURING DAY	88	RECEIVED										
													REMAINING ON BOARD	13.272	ON HAND										
													ON HAND AT START OF DAY	1240	CONSUMED										
													EVAPORATED OR RECEIVED	-	ON HAND										
													ON HAND	1187	RECEIVED										
													CONSUMED	53	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												PROPELLER SLIP (%)											
		DETENTION TIME												BBL FUEL/MI											
		TOTAL REVOLUTIONS												WIND DIRECTION											
		AVERAGE R.P.M.												STATE OF SEA											
		TOTAL MILES BY ENGINE												STATE OF WEATHER											
		TOTAL MILES BY OBSERVATION																							
0800 TO 1200		1	1200	440		9	112	100		64			740												
		2	1200	440		8	118	112		74			740												

1200-1600 WATCH

AT ANCHOR - SECURED BOTH GENERATORS - SECURED BOTH BOILER AND ALL AUX. MACHINERY - JACKING GEAR IN JACKING MAIN ENGINE $\frac{1}{2}$ LUB OIL PRESS ON. BOILERS PERMITTED TO DIE DOWN - ITEM 16 WORK BOOK - RENEWED BONNET GASKET ON ASTERN BALANCE VALVE - REPLACED GASKET TO 70 LB. STEAM VALVE BONNET - TIGHTENED PACKING GLANDS OVER ALL -

WATCH ENGR'S SIGNATURE -

R. Kohn

1600-2000 WATCH

PLANT DEAD. B1+B2 GAVE 3-15 sec. BOTTOM BLOWS. BILDGES AT A SAFE LEVEL MAIN TURBINE ON JACKING GEAR. OIL TO TURBINE GOOD. TEMPERATURES. NORM. VACCUM NORM.

WATCH ENGR'S SIGNATURE -

Henry Beegley

2000-2400 WATCH

Plant Dead. Added water to B-1+2 til 6 inches in lower glass's. Pumped Bildges to safe level.

WATCH ENGR'S SIGNATURE -

Richard A. Seggerson

2400-0400 WATCH

PLANT DEAD. MACH SAME AS ABOVE. ADDED WATER TO B1+B2. TO TWO NUTS IN HIGH GLASS. BILDGES SAFE.

WATCH ENGR'S SIGNATURE -

Henry Beegley

0400-0800 WATCH

PLANT DEAD. MACH SAME AS ABOVE. EVERYTHING NORMAL.

WATCH ENGR'S SIGNATURE -

Henry Beegley

0800-1200 WATCH

Reported to Lite Off #1 Plant @ 0800 - #1 & 2 Boilers Lit off @ 0815 - Secured 150 lb. X-over & Raising Vacuum on #1 & 2 aux. - Sen. @ 0930 - Rolling steam with steam @ 0945 - Raising Vacuum on Main Unit @ 1000 - with 2nd stage main air filter only - Bildges @ Safe Level - Cleaned Lube oil centrifuge -

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

Hatchmaster J. Fox Kelly Pilot-Bells Forward Hatchwater-Jackson
Heated Hand Trips on #1 & 2 aux. - O.K. m.p.
J. Fox Kelly Full of injured Little Finger, Right Hand - sent to Sick Bay for dressing - m.p.

Rec'd 12.000 BBl's Navy Spec Fuel oil -

P. ALK

T. ALK

CHLO

PH. 4

SO. 5

PH

WS. HRS.

FS. HRS.

CHIEF ENGR'S SIGNATURE -

J. O'Halloran

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. JOHN POPE	3	YOKOSUKA, JAPAN	SAN FRANCISCO	P2	15 JULY 1966

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME			240	140	240	240	240								
DETENTION TIME															
REVOLUTION COUNTER (END OF WATCH)		0308 7680	11000	0313 3730	0815 6730	79660	0320 2930				160	158	158	160	160
TOTAL REVOLUTIONS (FOR WATCH)		3600	23320	22730	23000	22930	23270				108	100 100	100 98	108	100 100
AVERAGE RPM		60	97.2	94.7	95.8	95.6	96.9				160	162	160	158	158
F.O. METER (END OF WATCH)			45300	8547 910	8550 490	53110	8555 800				240	238	240	240	238
F.O. CONSUMED				2610	2580	2620	2690								
PRESSURES	THROTTLE	445	445	445	440	450	445				800		740	800	830
	H.P. AHEAD	1	420	425	420	430	425				800		740	800	830
	L.P. AHEAD		26.5	26	26	26	23				155	155	160	155	155
	VACUUM		27.5	27.5	27.5	27.5	27.5				130	134	134	133	135
	L.O. TO TURBINES		13.3	13	13.5	13.3	13.5				130	129	129	133	128
	AUX. STEAM		150	150	150	150	150				80	84	90	90	88
	BACK PRESSURE		9	9	9	9	9				80	82	92	100	82
	GLAND STEAM		2.0	2.5	2.5	2.0	2.				295	300	305	295	310
	H.P. BLEEDER										300	300	305	300	295
	I.P. BLEEDER		8	6	6	6	6				12	12	12	12	12
L.P. BLEEDER		8	8	8	8	10				460	460	460	460	460	
TEMPERATURES	STEAM AT THROTTLE		705	705	710	700	705				190	185	190	190	200
	L. P. EXHAUST		107	110	107	104	107				417	.4	.4	417	.4
	CONDENSATE		108	108	107	108	105				85	84	86	86	86
	CIRC. WATER IN		73	80	78	78	78								
	CIRC. WATER OUT		88	92	89	86	88				16	16	16	16	18
	L.O. TO COOLERS		128	126	127	128	128				3	3	3	3	3
	L.O. FROM COOLERS		110	109	110	110	110				3	3	3	3	3
	TEMPERATURE THRUST BEARING		118	118	118	119	119				5370	5370	5370	5370	5370
	FORWARD H.P. ROTOR BEARING		132	132	133	133	134				5370	5370	5370	5370	5370
	AFT. H.P. ROTOR BEARING		140	138	138	138	142				6	13	13	12.5	13
MISCELLANEOUS	FORWARD L.P. ROTOR BEARING		135	132	133	135	135				5.8	12.5	13	12.5	13
	AFT. L.P. ROTOR BEARING		132	132	132	132	134				N	N	N	N	N
	CO ₂ % PORT BOILER										N	N	N	N	N
	CO ₂ % STBD. BOILER										0.41		.4	0.41	.4
	OIL LEVEL MAIN SUMP														
	DW TK														

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL																		
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED	ON HAND	CONSUMED
1200 TO 1600	1	1200	445																												
	2	1200	445																												
1600 TO 2000	1	1200	445	740	9	116	106		62	950	950	240																			
	2	1200	445	740	7	138	126			950	950	240																			
2000 TO 2400	1	1200	445		9	120	110		62	950	950	240																			
	2	1200	445		7	142	130		72	950	950	240																			
2400 TO 0400	1	1200	440		9	119	110		62	950	-	240																			
	2	1200	440		7	142	129		72	950	-	240																			
0400 TO 0800	1	1200	450	735	9	118	108		62	950	950	240																			
	2	1200	450	735	7	141	128		72	950	950	240																			
0800 TO 1200	1	1200	445	735	9	124	116		62	1000	1000	240																			
	2	1200	445	735	7	142	130		72	1000	1000	240																			

LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)						#1-3 hrs.
SEC.		SEC.		SEC.		#2-2 hrs.
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	1260	PROPELLER SLIP (%)	6.01
DETENTION TIME	✓	BBL FUEL/MI	
TOTAL REVOLUTIONS	115,810	WIND DIRECTION	140°-10 kts
AVERAGE R.P.M.	91.9	STATE OF SEA	140°-35 ft
TOTAL MILES BY ENGINE	432	STATE OF WEATHER	Cloudy-Rain
TOTAL MILES BY OBSERVATION	406		19.33 kts 70°-

1200-1600 WATCH

1230 TESTED ENG. TELE + SYNCHRONIZED CLOCK - 1245 No. 1 + No. 2 GEN ONLINE - 1300 SECURED PORT MN FEED PUMP KNAPP CHECKING VALVES - 1315 DIS-ENGAGED JACKING GEAR, OPENED MX + WATER STOPS WARMING UP MN ENGINES BY ROLLING AHEAD + ASTERN - 1315 STARTED STBY STEERING GEAR - 1346 STBY COUNTERS TAKN - 03075040 SHAFT 03081820 - F.D. METER S-261476 - P-592684 - DEPARTURE 1500 COUNTERS TAKN - 03077490 SHAFT 03084080 F.D. METER S-261500 - P-592715 - 1515 - REPLACED VALVE COVER GASKET STBY MN. FEED PUMP

WATCH ENGR'S SIGNATURE-

Al Kober

1600-2000 WATCH

UNDERWAY ON 10 NOZZLES/MACHINERY AS ABOVE/P/S WATER GAGE GLASSES BLOWN/BLEW TUBES P/S BOILERS/F.O. MIN L.O. STRAINERS CLEANED/BURNERS CLEANED/REGISTER'S WINDBOX DRAINS CLEAR/BOILER CONDSTE. TESTS/PORT STBY BOILER EXTERIOR EXAM./MACHINERY SPACES STEERING GEAR INSPECTED/ENG. ROOM BILGES/PUMPED/COMPLIED W/DEPT ORDERS/

F.O. BTMD
F.W. 36
MUF DB/1P
M.U.U. 8

WATCH ENGR'S SIGNATURE-

M. Fox

2000-2400 WATCH

Machinery as Before, except: - changed & cleaned Port fuel oil 7th strainer - changed & cleaned #1 generator lube oil strainer - changed to outboard settling - 2330 - Pumped frg. space bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY SAME AS BEFORE - COMPLYING W/NIGHT + STANDING ORDERS

WATCH ENGR'S SIGNATURE-

Al Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES/CONDITIONS AS BEFORE/P/S WATER GAGE GLASSES BLOWN/F.O. MIN L.O. STRAINER'S CLEANED/REGISTER'S WINDBOX DRAIN HOLES CLEAR/BOILER CONDSTE TESTS/BOILER EXTERIOR EXAM./MACHINERY SPACES STEERING GEAR CHECKED/STAY@ 0706/E.R. BILGES PUMPED/

F.O. P. OUTBD.
FW 36
MUF DB/1P
MUU 6.4

WATCH ENGR'S SIGNATURE-

M. Fox

0800-1200 WATCH

Machinery as Before, except: - Blew Tubes #1 & 2 Boilers 0800-0815 - Increased Speed to 18.7 kts @ 0830 - Notified Bridge - Telegraph HT @ 0834 - Transferred fuel oil from 2nd & 3rd into Port outboard & Port inboard settling - Pumped frg. space bilges -

F.O. - OUTBD.
F.W. - 275
MUF - DB/1P
MUU - 12.3
EVAP. - #1 & 2
GALL. D. - 2860

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

1346

STAND BY - COUNTERS TAKN 03075040

SFOM-2614760

SHAFT 03081820

PFOM-5926840

1500 DERAT

SHAFT DEPART-03084080

SFOM-261500

TAKN-03077490

PFOM-592715

8.76P. ALK 10.51
12.85T. ALK 14.60
4.14CHLO 4.14
4.5 PH. 4 45
30 SO. 3 45
10.5 PH 10.5
3894 WS. HRS. 37.03
1224 PS. HRS. 11.90

N. Frig. Kelly Reported to Sick Bay @ 0815 To Have Finger Bandaged - Returned to Engine Room @ 0900 - M. F.

CHIEF ENGR'S SIGNATURE-

G. O'Halloran

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240	HOTTEST GEAR BEARING FORWARD	160	160	160	161	160	160
DETENTION TIME							HOTTEST GEAR BEARING AFT	151	160	148	151	150	150
REVOLUTION COUNTER (END OF WATCH)	0322 6050	49250	0327 0480	0329 1850	13170	0333 6470	AUX. COND. CONDENSATE	103/100	106	104/100	100/100	107	100 98
TOTAL REVOLUTIONS (FOR WATCH)	22120	23200	21230	21370	21320	23300	1ST STAGE FEED WATER HEATER	156	157	158	159	158	156
AVERAGE RPM	92.1	96.7	96.5	97.1	96.9	97.	D. C. FEED WATER HEATER	240	240	239	240	240	238
F.O. METER (END OF WATCH)	8555 520	61280	8563 790	8565 680	68870	8571 570	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	2720	2760	2510	1890	3190	2700							
PRESSURES	THROTTLE	440	450	445	450	450	445	SUPER HEAT	P	735	800	820	830
	H.P. AHEAD	420	430	425	430	430	425		S	735	800	820	830
	L.P. AHEAD	23	24	24	24	23.5	23	F.O. TO BURNERS		155	155	155	155
	VACUUM	27.5"	27.5"	27.5"	27.5"	28.	28"	AIR TO FURNACE	P	135	136	138	136
	L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5	13.5		S	130	136	130	130
	AUX. STEAM	150	150	150	150	150	150	F.O. TEMP. IN SETTLING TANKS	P	90	88	92	94
	BACK PRESSURE	9	9	9	9	9	9		S	88	88	88	94
	GLAND STEAM	2	2	2	2	2	2	PORT BOILER UPTAKE		310	300	310	315
	H.P. BLEEDER							STBD. BOILER UPTAKE		295	300	310	315
	I.P. BLEEDER	7	7	6	6	7	6	F.O. BACK PRESSURE		12	12	12	12
TEMPERATURES	L.P. BLEEDER	8	10	9	9	10	10	MAIN STEAM		460	460	460	460
	STEAM AT THROTTLE	905	680	705	705	690	705	F.O. TO BURNERS		190	200	190	190
	L. P. EXHAUST	106	106	107	106	107	107	MAIN COND. SALINITY		.4	41/7	.4	41/7
	CONDENSATE	104	107	106	105	107	105	ENGINE ROOM TEMPERATURE		88	95	86	85
	CIRC. WATER IN	78	78	78	76	78	77	FIRE ROOM TEMPERATURE					
	CIRC. WATER OUT	89	90	89	87	90	88	NOZZLES IN USE		18	18	18	18
	L.O. TO COOLERS	127	128	125	127	128	127	NO. OF BURNERS IN USE	P	3	3	3	3
	L.O. FROM COOLERS	110	110	108	110	110	110		S	3	3	3	3
	TEMPERATURE THRUST BEARING	118	118	117	118	118	118	BURNER TIP SIZE	P	53/70	53/70	53/70	53/70
	FORWARD H.P. ROTOR BEARING	132	132	131	132	132	132		S	53/70	53/70	53/70	53/70
TEMPERATURES	AFT. H.P. ROTOR BEARING	138	138	137	140	140	138	CO ₂ % PORT BOILER		13	13.5	13	13.5
	FORWARD L.P. ROTOR BEARING	134	134	132	135	133	135	CO ₂ % STBD. BOILER		13.5	13.	13	13.0
	AFT. L.P. ROTOR BEARING	132	132	130	132	131	131	OIL LEVEL MAIN SUMP		N	N	N	N
								DW		.4	0.41	.4	0.41

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	1	1200	460	735	9	120	110		62	100	-	96.030	44.210	31.820	12.602		100
	2	1200	460	735	7	142	129		72	1000	-					39	111
1600 TO 2000	1	1200	450	720	9	119	109		62	1050	1050						28
	2	1200	450	720	7	142	129		72	1050	1050						
2000 TO 2400	1	1200	445	735	9	119	110		62	1000	1000						
	2	1200	445	735	7	142	128		72	1000	1000						
2400 TO 0400	1	1200	450	735	9	118	108		62	950	-						
	2	1200	450	735	7	148	128		72	950	-						
0400 TO 0800	1	1200	450	720	9	119	109		62	1050	1050						
	2	1200	450	720	7	148	128		72	1050	1050						
0800 TO 1200	1	1200	445	740	9	120	110		62	1100	1100						
	2	1200	445	740	7	142	128		72	1100	1100						
												DOMESTIC WATER					
												ON HAND AT START OF DAY	1189		ON HAND		
												EVAPORATED OR RECEIVED	135		CONSUMED		
												ON HAND	1231		ON HAND		
												CONSUMED	91		CONSUMED		
												L.O. CENTRIFUGE					
												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
												SUMMARY					
												RUNNING TIME	1380		PROPELLER SLIP (%)	10.02	
												DETENTION TIME	1		BBL FUEL/MI	1.54-1.71	
												TOTAL REVOLUTIONS	131.060		WIND DIRECTION	170°-8 Kts	
												AVERAGE R.P.M.	94.97		STATE OF SEA	170°-2 ft	
												TOTAL MILES BY ENGINE	489		STATE OF WEATHER	Cloudy	
												TOTAL MILES BY OBSERVATION	441			19.3 Kts	A = 75°

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1+B2-G1+G2
M1-MC1-MER-A1-AC1-AER-E1+E2-D1+D2-P1+P2-F1+F2-C1-W1-L1-S1 - COMPLYING ^W/NIGHT
+ STANDING ORDERS - CLEANED L.O. STRAINER TO MN. TURBINE - CHANGED OVER +
CLEANED F.O. STRAINER STB'D DISK - RECHARGED POT. WATER VOLUME TANK ^W/AIR
1615 - BLEW TUBES BOTH BOILERS ^W/BRIDGE PERMISSION

WATCH ENGR'S SIGNATURE -

Al Kober

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES / F.O. ^W/MN L.O. STRAINERS CLEANED / P/S BOILER F.O. P. OUTBD.
WATER GAGE GLASSES BLOWN / F.O. BURNERS CLEANED / REGISTER'S AND F.W. 3 P/S
WIND BOX DRAINS CLEAR / BOILER ^W/CONDSTE. TESTS / TWO (2) GAL. L.O. MUF DB/1P
TO STBD. FEED PUMP / BOILER EXTERIOR EXAM. / MACHINERY SPACES AND MU.U. 8.T
STEERING GEAR INSPECTED / W.T.D'S. SEC FR BRIDGE @ 1815 / PUMPED E.R. BILGES. EVAP. 3 P/S
ROUTINE WATCH, CONDITIONS UNCHANGED / ADDED 1 GAL L.O. TO STBD FO PUMP GAL.D 9900

WATCH ENGR'S SIGNATURE -

W. Tracy

2000-2400 WATCH

Machinery as Before, Except; - changed & cleaned Lower Fuel
oil Burners - changed & cleaned #2 Generator Lube oil Strainers - Set
Clock ahead 20 minutes @ 2240 - changed to Inboard Settler @ 2330 -
Pumped frg. Space Bilges -

F.O. INBD.
F.W. - 2 P/S
MUF. DB/1P
MU.U. 6.4
EVAP. 142 1P
GAL.D. - 8800

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

UNDERWAY ON 18 NOZZLES - COMPLYING ^W/NIGHT + STANDING ORDERS - CHANGED +
CLEANED TOP F.O. BURNERS IN BOTH BOILERS - ~~NO 3 PORT BOILER FEED TANK~~ - PUMPED BILGES
CLEANED L.O. STRAINER ON MN. TURBINE - PINCHED CLOSED LEAKING GAUGELINE STB'D MN.
FEED PUMP - CLEANED BILGE SECTION STRAINER - ADVANCED CLOCK 20 MIN @ 0100

WATCH ENGR'S SIGNATURE -

Al Kober

0400-0800 WATCH

UNDERWAY ON 18 NOZZLES / WATER GAGE GLASSES BLOWN P/S BOILER'S / F.O. - P. INBD.
F.O. ^W/MN L.O. STRAINER'S CLEANED / BOILER ^W/CONDSTE. TESTS / BOILER FW 2 P/S
EXTERIOR EXAM. / ADVANCED CLOCK 20 MIN. @ 0500 / MACHINERY SPAC MUF DB/1P
ES ^W/STEERING GEAR INSPECTED / REGISTER'S ^W/WIND BOX DRAIN HOLES MU.U. 4.
CLEAR / COMPLIED WIDEPT ORDERS / MACHINERY AS PREV., CONDITIONS EVAP. 1 P/S
NORMAL / E.R. BILGES PUMPED / GAL.D 8400

WATCH ENGR'S SIGNATURE -

W. Tracy

0800-1200 WATCH

Machinery as Before, Except; - blew Tubes #1 & 2 Boilers 0900-0915 -
Transferred Fuel oil from 4" & 2" to Port outboard & Port Inboard Settles -
changed & cleaned Port Fuel oil Hot Strainers - changed to Outboard Settler
@ 1130 - Pumped frg. Space Bilges - S.B.E. @ 1149 - Poor Visibility -

F.O. - OUTBD.
F.W. - 2 P/S
M.U.F. - DB/1P
M.U.U. - 7.1
EVAP. #142 2 P/S
GAL.D. - 7800

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

F.O. TRANS No2 P/S TO PORT OUT BOARD
DIESEL OIL TRANS TO EMERG. DIESEL 70 GAL

2
1031 P.A.K. 11.68
1460 T.L.P. 17.52
414 OIL 4.97
45 IH. ± 45
62 SO. 3 60
10.5 PH 10.5
3918 WS. HRS. 3726
1248 ES. HRS. 1214

CHIEF ENGR'S SIGNATURE -

J. A. Haller

USNS
GEN. JOHN POPE

VOYAGE NO.
30

FROM
YOKOSUKO

TO
SF

TYPE OF VESSEL
P-2

DATE
27 July '66

WED + JHO.

		WATCH								WATCH										
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200					
RUNNING TIME		240	240	240	240	240	240	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD		161	160	158	160	160	160			
DETENTION TIME										HOTTEST GEAR BEARING AFT		151	150	148	151	150	148			
REVOLUTION COUNTER (END OF WATCH)		0335 7750	83270	0340 7250	0343 1280	54860	0347 8660			AUX. COND. CONDENSATE		102/98	108	98	98/98	108	98			
TOTAL REVOLUTIONS (FOR WATCH)		23280	23580	23980	24030	23580	23800			1ST STAGE FEED WATER HEATER		156	162	164	160	160	160			
AVERAGE RPM		97.	98.0	99.9	100.1	98.2	99.1			D. C. FEED WATER HEATER		240	239	237	240	240	238			
F.O. METER (END OF WATCH)		8574 340	77320	8580 270	8583 170	86100	8588 900	3RD STAGE FEED WATER HEATER												
F.D. CONSUMED		2770	2980	2950	2900	2930	2800	BOILER PARTICULARS PRESSURES		SUPER HEAT		P	740	800	820	810	800	830		
PRESSURES		THROTTLE		455	450	445	450			450	445			S	740	800	820	810	800	830
		H.P. AHEAD		430	430	425	430			425	425	F.O. TO BURNERS		155	155	155	155	155	155	
		L.P. AHEAD		25	34	32	31			31.5	27.5	AIR TO FURNACE		P	137	138	137	137	137	136
		VACUUM		27.5"	28.5	28.5	28.5"			28.5	28.6"			S	137	138	137	137	137	136
		L.O. TO TURBINES		135	13	13.5	13.5			13.5	13.5	F.O. TEMP. IN SETTLING TANKS		P	90	95	90	90	86	80
		AUX. STEAM		150	150	150	150			150	150			S	100	86	86	88	86	80
		BACK PRESSURE		9	9	9	9			9	9	PORT BOILER UPTAKE			295	298	305	320	320	305
		GLAND STEAM		2.5	2.5	3	3			3	3	STBD. BOILER UPTAKE			310	310	330	335	335	305
		H.P. BLEEDER										F.O. BACK PRESSURE			12	12	12	12	12	12
		I.P. BLEEDER		7	6	6	6			6	6	MAIN STEAM			460	465	460	460	460	460
L.P. BLEEDER		9	4	4	5	6	8			F.O. TO BURNERS			190	205	210	200	200	190		
TEMPERATURES		STEAM AT THROTTLE		705	690	690	690	695	710	MAIN COND. SALINITY			.4	.41/7	.4	.41/7	.4			
		L. P. EXHAUST		105	112	110	110	110	107	ENGINE ROOM TEMPERATURE			90	95	87	84	95	86		
		CONDENSATE		103	108	108	107	108	106	FIRE ROOM TEMPERATURE										
		CIRC. WATER IN		80	80	76	77	72	76	NOZZLES IN USE			18	16	16	16	16	16		
		CIRC. WATER OUT		90	92	90	90	90	88	NO. OF BURNERS IN USE		P	3	3	3	3	3	3		
		L.O. TO COOLERS		127	128	126	128	128	126			S	3	3	3	3	3	3		
		L.O. FROM COOLERS		110	110	109	110	117	109	BURNER TIP SIZE		P	53/70	53/70	53/70	53/70	53/70	53/70		
		TEMPERATURE THRUST BEARING		118	118	118	118	118	116			S	53/70	53/70	53/70	53/70	53/70	53/70		
		FORWARD H.P. ROTOR BEARING		132	132	131	132	132	131	CO ₂ % PORT BOILER			13.5	13.5	13.5	13.5	12.5	13		
		AFT. H.P. ROTOR BEARING		140	140	138	138	134	138	CO ₂ % STBD. BOILER			13	13	13	13	13.0	13		
MISCELLANEOUS		FORWARD L.P. ROTOR BEARING		134	134	134	134	132	132	OIL LEVEL MAIN SUMP			N	N	N	N	N			
		AFT. L.P. ROTOR BEARING		132	132	132	132	130	130	DW			.4	0.41	.4	0.83	.7			

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL							
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		DOMESTIC WATER		LUBE OIL		DIESEL OIL	
1200 TO 1600	1	1200	450	740	9	119	110		62	950	-	240	METER AT NOON	09.910	BOILER WATER	ON HAND AT START OF DAY	111	LUBE OIL	EVAPORATED OR RECEIVED	31
	2	1200	450	740	7	141	128		71	950	-	240	METER PREVIOUS NOON	76.030		ON HAND	89		CONSUMED	53
1600 TO 2000	1	1200	450	735	9	123	113		62	950	950	240	ON HAND AT START OF DAY	11.845	BOILER WATER	ON HAND AT START OF DAY		LUBE OIL	ON HAND	
	2	1200	450	725	7	142	129		71	950	950	240	RECEIVED DURING DAY	-		CONSUMED			ON HAND	
2000 TO 2400	1	1200	445	720	9	120	110		62	950	950	240	EXPENDED DURING DAY	806	DOMESTIC WATER	ON HAND AT START OF DAY	1231	DIESEL OIL	ON HAND	
	2	1200	450	725	7	142	129		71	950	950	240	REMAINING ON BOARD	11.039		EVAPORATED OR RECEIVED	117		CONSUMED	
2400 TO 0400	1	1200	450	730	9	118	109		62	950	-	240	ON HAND	1264	DOMESTIC WATER	ON HAND		DIESEL OIL	ON HAND	
	2	1200	445	720	7	142	128		70	950	950	240	CONSUMED	84		EVAPORATED OR RECEIVED	117		CONSUMED	
0400 TO 0800	1	1200	450	730	9	118	109		62	950	-	240	LOW PRESS. EVAPORATORS No. of hrs. operated (Fresh water made gals.)							
	2	1200	445	720	7	142	128		70	950	950	240	No. 4 hrs 1/4 #2 hrs 50							
0800 TO 1200	1	1200	445	740	9	120	110		62	1050	1050	240	L.O. CENTRIFUGE - HOURS OPERATED							
	2	1200	445	740	7	142	128		70	1050	1050	240	1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200							
														SUMMARY						
RUNNING TIME														1440	PROPELLER SLIP (%)		11.56			
DETENTION TIME														✓	BBL FUEL/MI		1.55-1.75			
TOTAL REVOLUTIONS														139.100	WIND DIRECTION		180°-18 kts			
AVERAGE R.P.M.														96.59	STATE OF SEA		180° 1st			
TOTAL MILES BY ENGINE														519	STATE OF WEATHER		Overcast			
TOTAL MILES BY OBSERVATION														459			19.12 kts 75°-			

1200-1600 WATCH

UNDERWAY ON 18 NOZZLES - FOLLOWING MACHINERY IN OPERATION B1+B2-61+62

M1-MC1-MER-A1-AC1-AER-B1+B2-D1+D2-P1+P2-F1+F2-C1-W1-L1-S1-COMPLYING

W/NIGHT + STANDING ORDERS - 1334 LT CLOSED ASTERN GUARDING VALVE - CHANGED +

CLEANED L.O. STRAINER TO MN TURBINE - CHANGED + CLEANED STD F.O. DISC STRAINER.

CONTINUED W/TRASH REMOVAL FROM BILGE - PUMPED BILGESER - 1519 STDY. DRILLS - FOLLOWING ENGRS.

PRESENT IN ER FOR DRILLS - FOX - 1538 SEC FROM DRILLS - 1540 SEC NO1 EVAP, ELECT. TROUBLE

WATCH ENGR'S SIGNATURE -

Al Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / AT 1533 #1 MN FEED PUMP CUT OUT OF SERVICE CONT-

ROLLER BOX AFIRE / STAY FEED PUMP IN SERVICE / REDUCED SPEED TO 16 NOZ.

TO MAINT. WATER LEVEL / F.O. & L.O. STRAINERS CLEANED / F.O. BURNERS CLEANED

BOILER & CONDSTE. TESTS / ELECTRICIANS WORKING ON #1 MN FEED PUMP CONTRL

MACHINERY SPACES & STEERING GEAR INSPECTED / BOILER EXTERIOR EXAM. / REGISTER'S

& WINDBOX DRAIN HOLES CLEAR / BLEW TUBES P/S BOILERS / E.R. BILGES PUMPED /

EXCESS G/LND SEAL LK-OFF VALVE OPEN /

WATCH ENGR'S SIGNATURE -

C. W. Frey

2000-2400 WATCH

Machinery as Before, except; changed & cleaned Lower Fuel oil Burner -

changed & cleaned #1 Generator Lube oil Strainer - Ch. Plot. - Jenkins; Plots.

Rebster & Keady Repairing Feed Pump Controller - changed to Drbrand Settler @ 2330 -

Pumped fog. space Bilges -

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING W/NIGHT +

STANDING ORDERS - 0030 ELECTRICIANS COMPLETED WORK ON STD MN FEED

PUMP PUT SAME ON LINE + SEC. STDY FD. PUMP. - GREASED BOTH MN FEED PUMPS

CHANGED + CLEANED TOP F.O. BURNERS BOTH BOILERS - PUMPED BILGES

WATCH ENGR'S SIGNATURE -

Al Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZ / BLEW DOWN WATER GAGE GLASSES / BOILER EXT. EXAM.

F.O. & MN L.O. STRAINERS CLEANED / #1 MN FEED PUMP TRIPPED OUT.

WATER LOW IN BOILER, REDUCED SPEED UNTIL LEVEL WAS MAINTAINED / CALLED

CH/ELECT @ 0500 / BOILER & CONDSTE TESTS #1 PORT 2.07, DWTA 0.83 /

MACHINERY SPACES & STEERING GEAR INSP. / REGISTER'S & WINDBOX DRAINS CLEAN /

COMPLIED WIDEPT ORDERS / CH/ENGR IN E.R 0715-0725 / TELEPHONE CIRC J.

MALFUNCTION /

WATCH ENGR'S SIGNATURE -

C. W. Frey

0800-1200 WATCH

Machinery as Before, except; - Blew Tube #1 & 2 Boilers 0900-0915 -

Transferred Fuel oil from 2 P/S into Port outboard & Port Inboard Settles -

Inventory of GSM classes 61, 91, & 96 (Navaenda 236, Para. 1403) completed as of this

Date (July 7, 1966) - Bridge notified - on 18 Nozzles @ 0940 - S.B.E. @ 1023 - acct Port

Visibility - on 16 Nozzles @ 1037 - 4+ @ 1117 - changed to outboard Settler @ 1130 -

Pumped fog. space Bilges -

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

F.O. TRANSFERRED NO. 2 P/S TO INB & OUTB. SETTLERS. A.H.K.

1518 - DRILLS A.H.K.

ACTIVATED ENG. CASUALTY E-1 LOW WATER IN BOILER, LOSS OF FEED PRES. @ 1555

- 1605 Out.

2 BOILER

1 1600-2000 WEEKLY TEST & CHECK-OFF LIST COMPLETED BY ELECTRICIAN

8.76 P. ALK 8.76

8.76 T. ALK 11.68

4.14 CHLO 4.14

PH. 4 30

SO. 3 38

PH 10.5

WS. HRS. 37.50

FS. HRS. 12.14

Inventory of GSM Classes 61-91-96 Completed July 7

See Entry Above 0800-1200 Watch - A.H.K.

CHIEF ENGR'S SIGNATURE -

J. O'Halloran

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE							
GEN. JOHN POPE		3D		YOKOSUKO		SF		P2		THU + FRI 7/8 July '66							
		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	220	220	220	240			158	158	158	158	158	158		
DETENTION TIME										151	150	148	151	150	148		
REVOLUTION COUNTER (END OF WATCH)		0350 2520	06270 26270	0354 7910	0356 9710	0360 91280	0361 5110			99/98	103	96	98/108	100	942		
TOTAL REVOLUTIONS (FOR WATCH)		23820	23750	21640	21800	21570	23830			159	157	158	160	156	150		
AVERAGE RPM		99.2	99.0	98.5	99.	98.0	99.7			240	240	238	240	240	238		
F.O. METER (END OF WATCH)		8591 8330	94420 94420	8596 900	8599 430	01920 01920	8605 640										
F.O. CONSUMED		2730	2790	2480	2530	2490											
PRESSURES		THROTTLE	450	450	445	450	450	445			P	830	805	820	810	800	
		H.P. AHEAD	430	430	425	430	430	425		S	830	805	820	810	800	830	
		L.P. AHEAD	28	28.5	28	28	28.5	28			P	134	133	134	132	132	
		VACUUM	28.5"	28.5	28.8"	28.5	28.5	28.8"		S	136	133	134	132	132	131	
		L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5	13.5			P	88	82	84	87	82	
		AUX. STEAM	150	150	150	150	150	150		S	84	85	82	84	86	84	
		BACK PRESSURE	9	9	9	9	9	9				305	295	305	315	320	
		GLAND STEAM	2.5	2.0	2	2	2	2				310	300	305	305	310	
		H.P. BLEEDER										12	12	12	12	12	12
		I.P. BLEEDER	7	7	6	7	7	6				465	460	460	460	460	460
L.P. BLEEDER	9	7	7	9	7	7"				P	180	190	190	190	190		
TEMPERATURES		STEAM AT THROTTLE	705	700	700	700	700	700				180	190	190	190	180	
		L. P. EXHAUST	105	104	105	107	104	104									
		CONDENSATE	104	103	102	107	100	96									
		CIRC. WATER IN	74	73	73	76	72	72									
		CIRC. WATER OUT	86	84	84	88	84	82									
		L.O. TO COOLERS	128	128	126	129	128	127									
		L.O. FROM COOLERS	110	110	110	110	110	109									
		TEMPERATURE THRUST BEARING	118	118	118	118	118	118									
		FORWARD H.P. ROTOR BEARING	131	131	131	132	132	132									
		AFT. H.P. ROTOR BEARING	138	138	138	138	138	137									
MISCELLANEOUS		FORWARD L.P. ROTOR BEARING	133	134	132	134	134	132									
		AFT. L.P. ROTOR BEARING	132	132	130	132	132	132									
		MAIN COND. SALINITY	.4	.41/7	.4	.4	.41/7	.4									
		ENGINE ROOM TEMPERATURE	86	90	83	84	90	82									
		FIRE ROOM TEMPERATURE															
		NOZZLES IN USE	14	16	16	16	16	16									
		NO. OF BURNERS IN USE	P	3	3	3	3	3	S	3	3	3	3	3	3	3	
		BURNER TIP SIZE	P	53/10	53/10	53/10	53/10	53/10	S	53/10	53/10	53/10	53/10	53/10	53/10	53/10	
		CO. 2 % PORT BOILER	13	13	13	13	13	13									
		CO. 2 % STBD. BOILER	12.5	13	12.5	13.5	13	13									
		OIL LEVEL MAIN SUMP	N	N	N	N	N										
			DW	.4	0.41	.4	.4										
WATCH		GENERATORS										FUEL - WATER AND LUBE OIL					
		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	42.500	ON HAND AT START OF DAY	89
		1	1200	450	740	9	120	111		62	1000	-	240	METER PREVIOUS NOON	09.910	EVAPORATED OR RECEIVED	-
		2	1200	450	740	7	141	127		71	1000	-	240	CONSUMED BY METER	82.590	ON HAND	70
		1	1200	450	735	9	121	111		62	1000	1000	240	ON HAND AT START OF DAY	11.039	CONSUMED	19
		2	1200	450	735	7	139	127		71	1000	1000	240	RECEIVED DURING DAY	-	ON HAND AT START OF DAY	
		1	1200	445	730	9	120	110		62	950	950	240	EXPENDED DURING DAY	776	RECEIVED	
		2	1200	450	735	7	139	127		71	1000	1000	240	REMAINING ON BOARD	10.263	ON HAND	
		1	1200	445	730	9	120	110		62	950	950	240	DOMESTIC WATER	1.264	CONSUMED	
		2	1200	450	735	7	139	127		71	1000	1000	240	EVAPORATED OR RECEIVED	7	ON HAND	
		LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)													22	34rs.	
		L.O. CENTRIFUGE - HOURS OPERATED															
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200										
								3 1/2									
		SUMMARY															
		RUNNING TIME	1380										PROPELLER SLIP (%)	10.02			
		DETENTION TIME	✓										BBL FUEL/MI				
		TOTAL REVOLUTIONS	133.910										WIND DIRECTION	200°-16k			
		AVERAGE R.P.M.	97.03										STATE OF SEA	200°-34			
		TOTAL MILES BY ENGINE	499										STATE OF WEATHER	Clear			
		TOTAL MILES BY OBSERVATION	449										19.5216		A=69°		

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN OPERATION — F.O. (OUT)
 B1+B2 - G1+G2 - M1-MC1-MER - A1-Ac1 - AER-D1+D2 - P1+P2 - F1+F2 - C1-W1-L1-S1 F.W. 2 7/8
 1155 - PUT STBD MN. FEED PUMP ON AUTOMATIC CONTROL - CHANGED OVER + CLEANED MUF DB 18
 L.O. STRAINER ON MN. TURBINE - CHANGED + CLEANED STBD F.O. DISCH. STRAINER. MU-U 5.7
 PUMPED BILGES - BLEW TUBES BOTH BOILERS w/ BRIDGE PERMISSION @ 1515 - EVAP SEC
 GAL-D 0

WATCH ENGR'S SIGNATURE -

Al Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / PIS WATER GAGE GLASSES BLOWN / F.O. ^{END} L.O. F.O. OUTRD
 STRAINERS CLEANED / F.O. BURNERS CLEANED / BOILER ^{END} CONDSTE TESTS / F.W. 2 7/8
 BOILER EXTERIOR EXAM. / REGISTER'S ^{END} WINDBOX DRAIN HOLES CLEAR / MACH'Y SPACES MU-U 9
^{END} STEERING GEAR INSPECTED / ADDED 1 GAL. L.O. TO STBD. MN FEED PUMP / EVAP -
 MACHINERY + OPERATIONS AS BEFORE / GAL-D -

WATCH ENGR'S SIGNATURE -

Cliffrey

2000-2400 WATCH

Machinery as Before, Except; - Changed & cleaned Port fuel oil filter F.O. INBD.
 Strainers Set clock ahead 20 minutes @ 2232 - Changed to Inboard F.W. 2 7/8
 Settles @ 2330 - Pumped fwd. Space Bilges - Changed & cleaned #2 MUF DB 18
 Generator Lube oil Strainer - MU-U 6.4
 EVAP
 GAL-D -

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING F.O. INBD.
 w/ NIGT + STANDING ORDERS - ADVANCED CLOCK @ 0100 20 MIN - MOUNTED F.W. 2 7/8
 INSTRUCTION PLAQUES - CHANGED + CLEANED TOP F.O. BURNER EACH BOILER MUF DB 18
 PUMPED BILGES MU-U 5
 EVAP -
 GAL-D -

WATCH ENGR'S SIGNATURE -

Al Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES / PIS WATER GAGE GLASSES BLOWN / F.O. ^{END} MN L.O. F.O. INBD.
 STRAINERS CLEANED / BOILER ^{END} CONDSTE TESTS / BOILER EXT. EXAM. / F.W. 2 7/8
 ADVANCED CLOCK 20 MIN. @ 0500 / MACHINERY SPACES ^{END} STEERING MU-U 9
 GEAR INSPECTED / REGISTER'S ^{END} WINDBOX DRAINS CLEAR / COMPLIED W/ DEPT ORDER EVAP
 #1 STBD MT / GAL-D -

WATCH ENGR'S SIGNATURE -

Cliffrey

0800-1200 WATCH

Machinery as Before, Except, Blew Tubes #1 & 2 Boilers 0800-0815 - F.O. OUTRD.
 Transferred fuel oil from 3 7/8 into Port outboard & Port Inboard Settles - Lit off F.W. 2 7/8
 Lube oil Centrifuge @ 0830 - changed & cleaned Lower fuel oil Burners - changed to MUF DB
 Outboard Settles @ 1130 - Pumped fwd. Space Bilges - MU-U 9
 EVAP #1-2 7/8
 GAL-D - 2100

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

F.O. TRANSFER No 3 P+S TO BOTH SETT. QWK.

BOILER

2 BOILER 1
 23 P. ALK 9.93
 25 T. ALK 1460
 26 CHLO 4.56
 28 PH. 4 30
 29 SO. 3 6.3
 30 PH 10.5
 31 WS. HRS. 3774
 32 FS. HRS. 1236

CHIEF ENGR'S SIGNATURE -

J. O'Halloran

USNS
GEN. JOHN POPE

VOYAGE NO.
3D

FROM
YOKOSUKA

TO
SF

TYPE OF VESSEL
P2-S2-R

DATE
8 JULY 66

TIME LINE
FRI-FRI

							WATCH						
							1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME							240	240	220	220	220	240	
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)							0363 8930	0362 62620	0368 4330	0370 6320	0392 8092	0375 1870	
TOTAL REVOLUTIONS (FOR WATCH)							23820	23690	21710	21990	2170	23780	
AVERAGE RPM							99	99.7	98.6	99.9	99.0	99.	
F.O. METER (END OF WATCH)							8642	10150	8612 630	8615 190	17710	8620 480	
F.O. CONSUMED								2730	2480	2560	2620	2770	
PRESSURES	THROTTLE	450	450	445	460	450	445						
	H.P. AHEAD	430	430	425	435	430	425						
	L.P. AHEAD	28	28.8	28	28	27.5	27.5						
	VACUUM	28.5"	28.5	28.8"	28.5	28.5	28.8						
	L.O. TO TURBINES	13.5	13.2	13.5	13.5	13.2	13.5						
	AUX. STEAM	150	150	150	150	150	150						
	BACK PRESSURE	9	9	9	9	9	9						
	GLAND STEAM	2.	2.	2	2	2	2						
	H.P. BLEEDER												
	L.P. BLEEDER	7	7	6	7	6	6						
L.P. BLEEDER	9	9	8"	8	8	8"							
TEMPERATURES	STEAM AT THROTTLE	700	705	705	705	705	705						
	L. P. EXHAUST	104	102	102	100	101	100						
	CONDENSATE	98	96	94	94	94	94						
	CIRC. WATER IN	71	70	67	65	67	65						
	CIRC. WATER OUT	82	80	78	77	80	78						
	L.O. TO COOLERS	129	128	128	131	130	128						
	L.O. FROM COOLERS	110	108	109	111	110	109						
	TEMPERATURE THRUST BEARING	118	118	118	118	118	118						
	FORWARD H.P. ROTOR BEARING	132	132	131	132	132	132						
	AFT. H.P. ROTOR BEARING	140	140	138	141	140	138						
FORWARD L.P. ROTOR BEARING	134	132	134	134	134	134							
AFT. L.P. ROTOR BEARING	133	132	132	133	133	134							
MACH. PARTICULARS (CONT'D)							WATCH						
							1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
HOTTEST GEAR BEARING FORWARD							159	158	158	160	159	158	
HOTTEST GEAR BEARING AFT							151	149	150	151	150	150	
AUX. COND. CONDENSATE							94/44	96	90- 85	88/88	94	86 85	
1ST STAGE FEED WATER HEATER							154	156	156	154	156	156	
D. C. FEED WATER HEATER							240	240	238	240	240	240	
3RD STAGE FEED WATER HEATER													
SUPER HEAT							P 820	800	830	820	800	835	
							S 820	800	830	820	800	835	
F.O. TO BURNERS							155	155	155	155	150	150	
AIR TO FURNACE							P 131	130	128	127	128	128	
							S 131	130	128	127	128	128	
F.O. TEMP. IN SETTLING TANKS							P 82	77	80	82	80	76	
							S 88	76	74	78	78	78	
PORT BOILER UPTAKE							300	300	300	305	310	295	
STBD. BOILER UPTAKE							300	300	300	305	310	295	
F. O. BACK PRESSURE							12	12	12	12	12	12	
MAIN STEAM							465	460	460	465	460	460	
F.O. TO BURNERS							185	180	180	185	185	185	
MAIN COND. SALINITY							.4	0.417	.4	.4	.417	.4	
ENGINE ROOM TEMPERATURE							83	90	79	78	85	80	
FIRE ROOM TEMPERATURE													
NOZZLES IN USE							14	16	16	16	16	16	
NO. OF BURNERS IN USE							P 3	3	3	3	3	3	
							S 3	3	3	3	3	3	
BURNER TIP SIZE							P 53/70	53/70	53/70	53/70	53/70	53/70	
							S 53/70	53/70	53/70	53/70	53/70	53/70	
CO ₂ % PORT BOILER							13	13	13	13	13	13	
CO ₂ % STBD. BOILER							12.5	13	12.5	13	13	13	
OIL LEVEL MAIN SUMP							N	10"	N	N	12"	N	
DW							0.41	0.41	.4	.4	0.41	.4	

GENERATORS													FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	ON HAND AT START OF DAY	BOILER WATER	ON HAND AT START OF DAY		
1200 TO 1600	1	1200	450	720	9	124	115		62	1000	-	240	METER PREVIOUS NOON	42,500	EVAPORATED OR RECEIVED	38		
	2	1200	450	720	7	148	125		71	1000	-	240	CONSUMED BY METER	32.090	ON HAND	84		
1600 TO 2000	1	1200	450	740	9	123	112		62	1050	1050	240	ON HAND AT START OF DAY	10.263	CONSUMED	24		
	2	1200	450	740	7	137	122		71	1050	1050	240	RECEIVED DURING DAY	-	ON HAND AT START OF DAY			
2000 TO 2400	1	1200	445	735	9	118	110		62	1000	1000	240	EXPENDED DURING DAY	763	RECEIVED			
	2	1200	445	735	7	136	122		70	1000	1000	240	REMAINING ON BOARD	9600	ON HAND			
2400 TO 0400	1	1200	460	740	9	124	116		62	950	950	240	ON HAND AT START OF DAY	1221	CONSUMED			
	2	1200	460	740	7	135	121		71	950	-	240	EVAPORATED OR RECEIVED	-	ON HAND			
0400 TO 0800	1	1200	450	740	9	120	120		62	1000	1000	240	ON HAND	1186	RECEIVED			
	2	1200	450	740	7	135	128		71	1000	1000	240	CONSUMED	35	CONSUMED			
0800 TO 1200	1	1200	445	735	9	120	110		62	1000	1000	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
	2	1200	445	735	7	134	120		72	1000	1000	240	4 HRS 2-4 4 HRS 2-4 4 HRS 2-4 4 HRS 2-4					
													L.O. CENTRIFUGE - HOURS OPERATED					
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
													4	2	3 2/3	4	3 2/3	4
													SUMMARY					
													RUNNING TIME	1380	PROPELLER SLIP (%)	11.81		
													DETENTION TIME	✓	BBL FUEL/MI	1.52-1.73		
													TOTAL REVOLUTIONS	134,200	WIND DIRECTION	150°-155°		
													AVERAGE R.P.M.	97.21	STATE OF SEA	150°-35+		
													TOTAL MILES BY ENGINE	500	STATE OF WEATHER	Cloudy		
													TOTAL MILES BY OBSERVATION	441	AS: 19.17 Kts = Air: 60			

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1+B2
 G1+G2-M1-MC1-MER-A1-AC1-AER-D1+D2-P1+P2-F1+F2-C1-W1-L1-S1-E2-
 COMPLYING W/ NIGHT + STANDING ORDERS - CONTINUED W/ INSTR. PLAQUES + SIGNS - CHANGED
 OVER + CLEANED L.O. STRAINER MN. TURBINE - BILGES DRY - CHANGED OVER +
 CLEANED STB F.O. DISCH STRAINER - 1515 BLEW TUBES W/ BRIDGE PERMISSION -
 FEED TANK No. 1 PORT DRAIN TO BILGES

WATCH ENGR'S SIGNATURE -

AL Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / P/S WATER GAGE GLASSES BLOWN / F.O. ^{2nd} MN. L.O.
 STRAINERS CLEANED / F.O. BURNERS CLEANED / BOILER CONDSTE TESTS / BOILER EXT. EXAM.
 EXAM. / MACHINERY SPACES ^{2nd} STEERING GEAR INSPECTED / REGISTER'S ^{2nd} WINDBOX
 DRAIN HOLES CLEAR / L.O. PURIFIER LOST SEAL, SECURED SAME / COMPLIED W/ DEPT. ^{2nd}
 ORDERS / L.O. PURIFIER RESTARTED, SUMP TO SUMP / CONDITIONS AS BEFORE / CONDUCTED
 CASUALTY DRILL E-7 WATER IN F.O. TO BURNERS (4) MEN 1830-1910 BRIDGE NOTIFIED

WATCH ENGR'S SIGNATURE -

M. Fry

2000-2400 WATCH

Machinery as Before, Except: - changed & cleaned Port fuel oil 76T
 Strainer - changed & cleaned #1 Generator Lube oil Strainer - Struck
 Down 50 Gal. Lube oil from settling tank into main sump -
 Set clock ahead 20 minutes @ 2237 - Held Eng. casualty Drill
 "E-7" 2200-2220 4 men Present notified Bridge - changed to Inboard Section
 @ 2230 - Pumped Eng. Sump Bilges -

WATCH ENGR'S SIGNATURE -

M. Fry

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING W/ NIGHT +
 STANDING ORDERS - ADVANCED CLOCK 20 MIN. @ 0100 - 0100 to 0130 CONDUCTED
 ENG. CASUALTY DRILL "E-7" - 4 MEN PRESENT, BRIDGE NOTIFIED - CHANGED AND
 CLEANED TOP F.O. BURNERS BOTH BOILERS - CLEANED BILGE SUCTION STRAINER
 PUMPED BILGES ER -

WATCH ENGR'S SIGNATURE -

AL Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES / P/S WATER GAGE GLASSES BLOWN / F.O. ^{2nd} MN. L.O. F.O. INBD
 STRAINERS CLEANED / BOILER ^{2nd} CONDSTE TESTS / BOILER EXT. EXAM.
 MACHINERY SPACES ^{2nd} STEERING GEAR INSPECTED / REGISTER'S ^{2nd} WINDBOX
 DRAIN HOLES FREE / E.R. BILGES PUMPED

WATCH ENGR'S SIGNATURE -

M. Fry

0800-1200 WATCH

Machinery as Before, Except: - Blow Tank #1 & #2 Bilges 0800-0815 - Pumped
 Fuel oil from 4" into Port Inboard & Port outboard Settles - changed & cleaned Lower
 Fuel oil Burner - Inspected all Eng. Room fire fighting gear - Re-sealed Lube oil
 Centrifuge - changed to outboard Settles @ 1130 - Pumped Eng. Sump Bilges -

WATCH ENGR'S SIGNATURE -

M. Fry

CHIEF ENGINEER

F.O. TRANSFERRED FROM No. 4 TO BOTH SETT

2 BOILER /
 9.93 P. ALK 9.53
 6.33 T. ALK 14.60
 4.56 CHLO 4.97
 30 PH. 4 4.5
 65 SO. 3 6.5
 10.5 PH 10.5
 3990 WS. HRS. 3798
 1330 ES. HRS. 1260

CHIEF ENGR'S SIGNATURE -

J. D. McCallum

USNS
GEN. JOHN POPE

VOYAGE NO.
3D

FROM
YOKOSUKA

TO
SF

TYPE OF VESSEL
P2

FRI-SAT
DATE
8/9 JULY '66

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS							MACH. PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)					
PRESSURES								TEMPERATURES					
THROTTLE							HOTTEST GEAR BEARING FORWARD						
H.P. AHEAD							HOTTEST GEAR BEARING AFT						
L.P. AHEAD							AUX. COND. CONDENSATE						
VACUUM							1ST STAGE FEED WATER HEATER						
L.O. TO TURBINES							D. C. FEED WATER HEATER						
AUX. STEAM							3RD STAGE FEED WATER HEATER						
BACK PRESSURE							SUPER HEAT						
GLAND STEAM							F.O. TO BURNERS						
H.P. BLEEDER							AIR TO FURNACE						
L.P. BLEEDER							F.O. TEMP. IN SETTLING TANKS						
STEAM AT THROTTLE							PORT BOILER UPTAKE						
L. P. EXHAUST							STBD. BOILER UPTAKE						
CONDENSATE							F. O. BACK PRESSURE						
CIRC. WATER IN							MAIN STEAM						
CIRC. WATER OUT							F.O. TO BURNERS						
L.O. TO COOLERS							MAIN COND. SALINITY						
L.O. FROM COOLERS							ENGINE ROOM TEMPERATURE						
TEMPERATURE THRUST BEARING							FIRE ROOM TEMPERATURE						
FORWARD H.P. ROTOR BEARING							NOZZLES IN USE						
AFT. H.P. ROTOR BEARING							NO. OF BURNERS IN USE						
FORWARD L.P. ROTOR BEARING							BURNER TIP SIZE						
AFT. L.P. ROTOR BEARING							CO. 2 PORT BOILER						
							CO. 2 STBD. BOILER						
							OIL LEVEL MAIN SUMP						
							DW						

GENERATORS													FUEL - WATER AND LUBE OIL							
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL	
	1	1200	450	740	9	121	113		62	950	✓	240	METER AT NOON	02,426	ON HAND AT START OF DAY	84	EVAPORATED OR RECEIVED	102	ON HAND	53
	2	1200	450	740	7	136	122		71	950	✓	240	METER PREVIOUS NOON	74,570	CONSUMED BY METER	32,000	ON HAND AT START OF DAY	133	CONSUMED	133
1200 TO 1600	1	1200	450	730	9	120	110		62	950	950	240	ON HAND AT START OF DAY	9600	RECEIVED DURING DAY	—	ON HAND AT START OF DAY		RECEIVED	
	2	1200	450	730	7	135	122		72	950	950	240	EXPENDED DURING DAY	753	REMAINING ON BOARD	8817	ON HAND		CONSUMED	
1600 TO 2000	1	1200	445	730	9	120	110		62	1000	1000	240	ON HAND AT START OF DAY	1156	ON HAND AT START OF DAY		ON HAND		ON HAND	
	2	1200	445	730	7	132	120		72	1000	1000	240	EVAPORATED OR RECEIVED	—	ON HAND	1105	RECEIVED		RECEIVED	
2000 TO 2400	1	1200	450	720	9	119	111		62	900	—	240	ON HAND	1105	CONSUMED	81	ON HAND		CONSUMED	
	2	1200	450	720	7	134	121		71	900	✓	240	CONSUMED	81	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
2400 TO 0400	1	1200	450	725	9	120	111		62	950	950	240	L.O. CENTRIFUGE - HOURS OPERATED							
	2	1200	450	725	7	134	121		72	950	950	240	1200 TO 1600	4	1600 TO 2000	3 3/4	2000 TO 2400	3 3/4	2400 TO 0400	4
0400 TO 0800	1	1200	445	730	9	121	113		62	1000	1000	240	SUMMARY							
	2	1200	445	730	7	134	120		71	1000	1000	240	RUNNING TIME	1380	PROPELLER SLIP (%)	13.54				
0800 TO 1200	1	1200	445	730	9	121	113		62	1000	1000	240	DETENTION TIME	✓	BBL FUEL/MI	1.56 - 1.80				
	2	1200	445	730	7	134	120		71	1000	1000	240	TOTAL REVOLUTIONS	134,570	WIND DIRECTION	170° - 10 knots				
	1	1200	445	730	9	121	113		62	1000	1000	240	AVERAGE R.P.M.	97.5	STATE OF SEA	170° - 2				
	2	1200	445	730	7	134	120		71	1000	1000	240	TOTAL MILES BY ENGINE	502	STATE OF WEATHER	Cloudy - 70%				
	1	1200	445	730	9	121	113		62	1000	1000	240	TOTAL MILES BY OBSERVATION	434	HS. = 18.50 - 17 = 66°					

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1+B2 F.O.
 C1+G2-M1-MC1-MER-A1-AC1-AER-D1+D2-P1+P2-F1+F2-C1-W1-L1-S1-E2 - COMPLYING
 W/NIGHT + STANDING ORDERS - STBY @ 1242 DUE TO FOG - CHANGED + CLEANED
 L.O. STRAINER IN TURBINE - PUMPED ER BILGES - LH @ 1407 - CHANGED +
 CLEANED F.O. DISCH. STRAINER STBY - 1518 ^{STBY} DRILLS - ENGRS. PRESENT MER - CH. ENGR.
 MR. O'HALLAHAN - SEEGERMANN - 1532 SEC FROM DRILLS LH -

F.W. 29.5
 MUF 16.4
 MU-U 5.3
 EVAP #2
 GAL-D 5100

RE-PLACED MISSING VENT COCK ON SANITARY PUMP

WATCH ENGR'S SIGNATURE-

AL Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / PIS WATER GAGE GLASSES BLOWN / BLEW TUBES PIS.
 BOILER'S / F.O. BURNERS CLEANED / F.O. MN. L.O. STRAINERS CLEANED / BOILER'S
 EXT. EXAM. / BOILER'S CONDSTE. TESTS / CONDUCTED ENG. CASUALTY DRILL E-8
 "FORCED DRAFT BLOWER FAILURE" 1730 - 1745 (4) MEN BRIDGE NOTIFIED / STBY.
 1734, LH 1737 / MACHINERY SPACES STEERING GEAR INSPECTED / OPERATING
 CONDITIONS AS OF PREV WATCH / E.R. BILGES PUMPED

F.O. OUTBD
 F.W. 29.5
 MUF 08/15
 MU-U 7.1
 EVAP #1P
 GAL-D 4900

WATCH ENGR'S SIGNATURE-

M. Fox

2000-2400 WATCH

Machinery as Before, except: - S.B.E. @ 2019, Poor Visibility - changed &
 cleaned #2 Stereator Lube oil Strainers - Held Eng. Casualty Drill E-8 2200 -
 2220 - 4 Men Present - Notified Bridge - Set clock ahead 20 minutes @ 2241 -
 changed & cleaned Port Fuel oil 1st strainer - Re-ashed Lube oil Centrifuge - changed to
 Inboard Settler @ 2330 - Pumped Eng. Space Bilge -

F.O. INRD.
 F.W. 32
 MUF 08/15
 MU-U 6.4
 EVAP #2-1P
 GAL-D 4900

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING W/NIGHT F.O.
 + STANDING ORDERS - 1204 LH - 0100 ADVANCED CLOCK 20 MIN - HELD ENG.
 CASUALTY DRILL "E8" 0130 TO 0200, 4 MEN PRESENT BRIDGE NOTIFIED
 CHANGED + CLEANED TOP F.O. BURNERS BOTH BOILERS - STARTED TO PUT UP
 WARNING STRIPE TAPE

F.W. 40.2
 MUF 08/15
 MU-U
 EVAP #2
 GAL-D 4200

WATCH ENGR'S SIGNATURE-

AL Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES / MACHINERY SPACES INSPECTED / BOILER EXT. -
 EXAM / STBY 0411 / BOILER CONDSTE TESTS / PIS WATER GAGE GLASSES BLOWN
 LH 0453 / STEERING GEAR CHECKED / ~~RETURN~~ ADVANCED CLOCK 20 MIN @ 0500
 F.O. MN. L.O. STRAINERS CLEANED / E.R. BILGES PUMP / MIN AIR COMPRESSOR
 FAILED TO CUT IN, X OVER FR AFT ER OPENED / MN AIR COMP. BACK IN SERVICE
 W/X OVER'S OPEN / BURNER REGISTER'S WIND BOX DRAINS CLEAR / OPER. AS BEFORE /

F.O. INRD
 F.W. 32
 MUF 08/1P
 MU-U 6
 EVAP 1-S
 GAL-D 4500

WATCH ENGR'S SIGNATURE-

M. Fox

0800-1200 WATCH

Machinery as Before, except: - Blew Tube #1 & 2 Boilers 0810 - 0825 -
 S.B.E. @ 0826 acct. Poor Visibility - Transferred Fuel oil from #2 to
 Port Outboard & Port Inboard Settlers - LH @ 1101 - changed & cleaned Lower
 Fuel oil Burner - Dr. frgi. Sterilizing Out. Condensers - Re-ashed Lube oil
 Centrifuge - changed to outboard Settler @ 1130 - Pumped Eng. Space Bilge -

F.O. OUTBD.
 F.W. 32
 MUF 08/1P
 MU-U 13.1
 EVAP #2
 GAL-D 4600

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

F.O. TRANS. FROM No 3 & to BOTH SETTLERS

0030 - DETECTED SLIGHT HIGH FREQUENCY VIBRATION @ FWD END L.P. TURBINE

CALLED 1ST ASISST. ENGR

BOILER

2
 18.73 P. ALK 19.73
 16.35 T. ALK 15.77
 456 CHLO 41.4
 30 PH. 4 45
 65 SO. 3 68
 10.5 PH 10.5
 3990 WS. HRS. 3798
 1320 FS. HRS. 1260

CHIEF ENGR'S SIGNATURE-

M. Hillman

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE							
GEN. JOHN POPE		3D		YOKOSUKA		SF		P2		9/0 JULY '66							
		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	240	220	220	240	MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD		160	160	158	160	160	160
DETENTION TIME								TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING AFT		151	150	148	151	150	151
REVOLUTION COUNTER (END OF WATCH)		0391 2330	36100	0395 17740	0397 2680	00650	0404 4310			AUX. COND. CONDENSATE		88/88	93	88	88/88	96	88
TOTAL REVOLUTIONS (FOR WATCH)		23670	23770	21670	21850	20880	23760			1ST STAGE FEED WATER HEATER		156	156	156	156	153	156
AVERAGE RPM		98.6	99.1	98.3	99.3	94.8	99			D. C. FEED WATER HEATER		240	240	238	240	240	240
F.O. METER (END OF WATCH)		8638 950	41700	8644 150	8646 610	49110	8651 800			3RD STAGE FEED WATER HEATER							
F.O. CONSUMED		2710	2750	2450	2460	2500	2690			SUPER HEAT		P 810	810	820	810	800	810
										S 810		810	810	820	810	800	810
										F.O. TO BURNERS		150	150	150	150	150	158
										P 125		124	124	124	124	124	126
										S 125		124	124	124	124	124	126
										F.O. TEMP. IN SETTLING TANKS		P 76	72	76	80	76	72
										S 82		72	70	72	74	76	76
										PORT BOILER UPTAKE		295	300	295	295	300	295
										STBD. BOILER UPTAKE		300	300	295	295	300	295
										F. O. BACK PRESSURE		12	12	12	12	12	12
										MAIN STEAM		460	460	460	460	460	460
										F.O. TO BURNERS		190	190	180	180	190	185
										MAIN COND. SALINITY		.4	.41/7	.4	.4	.41/7	.4
										ENGINE ROOM TEMPERATURE		78	85	78	78	85	80
										FIRE ROOM TEMPERATURE							
										NOZZLES IN USE		16	16	16	16	16	16
										NO. OF BURNERS IN USE		P 3	3	3	3	3	3
										S 3		3	3	3	3	3	3
										BURNER TIP SIZE		P 53/10	53/10	53/10	53/10	53/10	53/10
										S 53/10		53/10	53/10	53/10	53/10	53/10	53/10
										CO ₂ % PORT BOILER		12.5	13	13	13	13	13
										CO ₂ % STBD. BOILER		13	13	13	12.5	12.5	13
										OIL LEVEL MAIN SUMP		N	1/2"	N	N	1/2"	N
								DW				.4	0.41	.4	.4	0.41	.4

GENERATORS											FUEL - WATER AND LUBE OIL			
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	
1200 TO 1600	1	1200	450	730	9	119	111		62	950	-	240	METER AT NOON	40.166
	2	1200	450	730	7	135	121		72	950	-	240	METER PREVIOUS NOON	67.470
1600 TO 2000	1	1200	450	735	9	119	110		62	950	950	240	CONSUMED BY METER	32.630
	2	1300	450	735	7	134	121		72	950	950	240	ON HAND AT START OF DAY	28.17
2000 TO 2400	1	1200	445	730	9	121	111		62	950	950	240	RECEIVED DURING DAY	
	2	1200	445	730	7	134	121		71	950	950	240	EXPENDED DURING DAY	7.11
2400 TO 0400	1	1200	450	725	9	120	111		62	950	-	240	REMAINING ON BOARD	80.45
	2	1200	450	725	7	136	122		71	950	-	240	ON HAND AT START OF DAY	110.5
0400 TO 0800	1	1200	450	730	9	120	111		62	950	950	240	EVAPORATED OR RECEIVED	26
	2	1200	450	730	7	136	122		71	950	950	240	ON HAND	108.3
0800 TO 1200	1	1200	450	730	9	120	110		62	1000	1000	240	CONSUMED	48
	2	1200	450	730	7	136	122		71	1000	1000	240	DOMESTIC WATER	
											L.O. CENTRIFUGE - HOURS OPERATED			
											1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400
											4	4	3 1/2	3 2/3
											SUMMARY			
											RUNNING TIME	1330	PROPELLER SLIP (%)	12.85
											DETENTION TIME	2	BBL FUEL/MI	1.50 - 1.79
											TOTAL REVOLUTIONS	133,580	WIND DIRECTION	130° - 10 Kt
											AVERAGE R.P.M.	96.79	STATE OF SEA	130° - 3 ft
											TOTAL MILES BY ENGINE	498	STATE OF WEATHER	Clear
											TOTAL MILES BY OBSERVATION	434	Speed 18 kts	A - 91°

REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN SERVICE - B1 + B2
 C1 + C2 - M1 - MCI - MER - A1 - ACI - AER - D1 + D2 - P1 + P2 - F1 + F2 - C1 - W1 - L1 - S1 - E2 - CHANGED
 + CLEANED L.O. STRAINER TO MN. TURB. - CHANGED + CLEANED STB F.O. DISCH STRAINER.
 HELD ENG. CASUALTY DRILL No. "E9" 1300Z 1330 - 4 MEN PRESENT BRIDGE NOTIFIED -
 BLEW TUBES BOTH BOILERS w/ BRIDGE PERMISSION 1515 -

F.O. No. 4
 F.W. No. 3 &
 MUF 16.4
 MU-U 5.3
 EVAP No. 2
 GAL-D 4300

WATCH ENGR'S SIGNATURE -

AL Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / P/S WATER COLUMNS BLOWN / BOILER² CONDSTE.
 TESTS / F.O. BURNERS CLEANED / F.O. MN. L.O. STRAINERS CLEANED / SIMULATED
 ENG. CASUALTY DRILL E-9 "MAIN GENERATOR FAILURE" 1730 - 1745, 4 MEN,
 BRIDGE INFORMED / BOILER EXTERIOR EXAM. / STEERING GEAR CHECKED / E.R.
 BILGES PUMPED / BURNER REGISTERS² / WINDBOX DRAIN HOLES CLEAR / MACHINERY
 SPACES INSP. / COMPLIED W/ DEPT ORDERS / EQUIPMENT² / CONDITIONS AS OF PREV. WATCH /

F.O. OUTBO
 F.W. NO. 3 P
 MUF DB/1P
 MU-U 6
 EVAP No. 1 P
 GAL-D 4600

WATCH ENGR'S SIGNATURE -

M. Fox

2000-2400 WATCH

Machinery as Before, Except; - changed & cleaned #1 Main Generator Lube oil
 Strainers - changed & cleaned Port Fuel oil Hot Strainers - held Eng. casualty
 Drill "E-9" 2200-2220 4 men present notified Bridge - set clock
 ahead 20 minutes @ 1032 - Hotchkiss Sterilizing & cleaning machinery -
 changed to Inboard Settler @ 2330 - Pumped Eng. Space Bilges -
 Second Lube oil Centrifuge @ 2345 -

F.O. INBD.
 F.W.
 MUF DB/1P
 MU-U 4.9
 EVAP No. 1 P
 GAL-D 4400

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING
 w/ NIGHT + STANDING ORDERS - CHANGED + CLEANED TOP F.O. BURNERS BOTH BOILERS
 HELD ENGINE CASUALTY DRILL "E-10" 0200Z 0230, 4 MEN PRESENT BRIDGE NOTIFIED
 PUMPED BILGES IN ER -

F.O. INO.
 F.W. No. 3 P
 MUF 18.1
 MU-U 3.6
 EVAP No. 2
 GAL-D 3700

WATCH ENGR'S SIGNATURE -

AL Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES / P/S WATER GAGE GLASSES BLOWN / MACHINERY SPACES
 INSPECTED / BOILER EXT. EXAM / BOILER² CONDSTE TESTS / F.O. W/ L.O. STRAINERS
 CLEANED / SIMULATED CASUALTY DRILL E-10 "HEAVY SHORT IN GEN. SWITCHES AT MAIN
 DISTRIBUTION BOARD" 0540-0600 / ADVANCED CLOCK 20 MIN @ 0500 / MACHINERY
 SPACES INSPECTED² / STEERING GEAR CHECKED / BURNER REGISTERS² / WINDBOX
 DRAIN HOLES FREE / E.R. BILGES PUMPED / EQUIPMENT² / CONDITIONS AS OF PREV. WATCH /

F.O. INBO
 F.W.
 MUF DB/1P
 MU-U
 EVAP
 GAL-D

WATCH ENGR'S SIGNATURE -

M. Fox

0800-1200 WATCH

Machinery as Before, Except; - blew Tubes #1 & 2 Boilers 0810-0820 -
 Transferred Fuel oil from 6" into Port Inboard & Port Outboard
 Settlers - changed & cleaned Lower Fuel oil Burners - held Eng. casualty drill
 "E-10" 1000-1020 4 men present + 1.5 h/1.5 bridge - cleaned Lube oil Centrifuge &
 Rock on Sump to Sump - Drain Plug blew out of Aux. Injection Line; Replaced with new
 Plug - changed to Outboard Settler @ 1130 - Pumped Eng. Space Bilges -

F.O. OUTBO
 F.W. 3 &
 MUF DB/1P
 MU-U 7.5
 EVAP No. 3 &
 GAL-D 4400

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

F.O. TRANSFER FROM No. 4 S + No. 4 E TO - BOTH SETTLERS

BOILER

11.68 P. ALK 10.51
 16.35 T. ALK 15.77
 456 CHLO 456
 35. PH. 4 40
 70 SO. 3 70
 10.5 PH 10.5
 4014 WS. HRS. 3822
 1344 FS. HRS. 1284

CHIEF ENGR'S SIGNATURE -

M. Fox

USNS GEN. JOHN POPE VOYAGE NO. 37 FROM YOKOSUKA TO SF TYPE OF VESSEL T2 DATE 10-11 SUN + MON. 12 JULY '66

		WATCH								WATCH									
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200				
RUNNING TIME		240	240	240	240	240	240	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD		159	159	157	157	157	156		
DETENTION TIME										HOTTEST GEAR BEARING AFT		151	150	150	151	150	148		
REVOLUTION COUNTER (END OF WATCH)		0404 8370	71780	0409 5340	0411 8800	0414 2260	0416 5620			AUX. COND. CONDENSATE		90/90	96	88 86	90/90	93	88 86		
TOTAL REVOLUTIONS (FOR WATCH)		24060	23410	23560	23460	23460	23360			1ST STAGE FEED WATER HEATER		158	156	156	157	157	156		
AVERAGE RPM		100.2	97.5	98.1	97.7	97.7	97.3			D. C. FEED WATER HEATER		240	240	238	240	240	238		
F.O. METER (END OF WATCH)		8654 510	57230	8659 920	8662 580	8667 35290	8667 910			3RD STAGE FEED WATER HEATER									
F.O. CONSUMED		2710	2720	2670	2690	2700	2620	BOILER PARTICULARS TEMPERATURES		SUPER HEAT		P	820	800	800	800	800	810	
PRESSURES		THROTTLE		450	450	445	450			445	445	S		820	800	800	800	800	810
		H.P. AHEAD		430	430	425	430			420	420	F.O. TO BURNERS		150	150	150	150	150	150
		L.P. AHEAD		28	27.5	27	27.5			26.5	26	P		126	124	124	121	122	124
		VACUUM		21.5"	29	29"	29"			29"	29"	S		126	124	124	121	122	124
		L.O. TO TURBINES		13.5	13	13.3	13.3			13.3	13.3	P		76	74	74	78	80	90
		AUX. STEAM		150	150	150	150			150	150	S		78	74	76	76	80	126
		BACK PRESSURE		9	9	9	9			9	9	PORT BOILER UPTAKE		300	290	290	295	300	295
		GLAND STEAM		2	2	2	2			2	2	STBD. BOILER UPTAKE		300	290	290	300	300	290
		H.P. BLEEDER										F. O. BACK PRESSURE		12	12	12	12	12	12
		I.P. BLEEDER		6	6	6	6	6	6	MAIN STEAM		460	460	460	460	455	455		
L.P. BLEEDER		8	8	8"	8	8	9"	F.O. TO BURNERS		190	190	185	190	180	180				
TEMPERATURES		STEAM AT THROTTLE		695	695	690	680	690	695	MAIN COND. SALINITY		.4	.41/7	.4	.4	.41/7	.4		
		L. P. EXHAUST		102	102	103	102	101	102	ENGINE ROOM TEMPERATURE		80	85	78	77	85	75		
		CONDENSATE		98	96	96	97	93	94	FIRE ROOM TEMPERATURE									
		CIRC. WATER IN		69	69	69	68	67	71	NOZZLES IN USE		16	16	16	16	16	16		
		CIRC. WATER OUT		81	80	80	80	79	79	NO. OF BURNERS IN USE		P	3	3	3	3	3		
		L.O. TO COOLERS		131	131	126	129	130	126	S		3	3	3	3	3	3		
		L.O. FROM COOLERS		110	110	108	110	110	108	BURNER TIP SIZE		P	53/70	53/70	53/70	53/10	53/70	53/70	
		TEMPERATURE THRUST BEARING		118	118	118	118	118	116	S		53/10	53/70	53/70	53/70	53/70	53/70		
		FORWARD H.P. ROTOR BEARING		132	132	130	129	129	129	CO ₂ % PORT BOILER		13.5	13	13	13	13	13		
		AFT. H.P. ROTOR BEARING		138	140	137	139	139	137	CO ₂ % STBD. BOILER		12	13	13	13	13	13		
FORWARD L.P. ROTOR BEARING		134	134	133	133	133	130	OIL LEVEL MAIN SUMP		N	10"	12"	12"	12"	12"				
AFT. L.P. ROTOR BEARING		133	133	132	132	131	130	DW		.4	0.41	.4	.4	0.41	.4				

GENERATORS													FUEL - WATER AND LUBE OIL							
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL	
1200 TO 1600	1	1200	450	730	9	120	112		62	950	950	240	METER AT NOON	72.440	ON HAND AT START OF DAY	161				
	2	1200	450	730	7	136	122		71	950	950	240	METER PREVIOUS NOON	40.100	EVAPORATED OR RECEIVED	30				
1600 TO 2000	1	1200	450	725	9	120	111		62	950	950	240	CONSUMED BY METER	32.340	ON HAND	154				
	2	1200	450	725	7	136	122		71	950	950	240	ON HAND AT START OF DAY	8040	CONSUMED	35				
2000 TO 2400	1	1200	445	725	9	118	108		62	950	950	240	RECEIVED DURING DAY	—	ON HAND AT START OF DAY					
	2	1200	450	725	7	136	122		71	950	950	240	EXPENDED DURING DAY	770	RECEIVED					
2400 TO 0400	1	1200	450	710	9	128	118		62	950	950	240	REMAINING ON BOARD	7270	ON HAND					
	2	1200	450	710	7	136	122		71	950	950	240	ON HAND AT START OF DAY	1083	CONSUMED					
0400 TO 0800	1	1200	445	725	9	117	107		62	950	950	240	EVAPORATED OR RECEIVED	76	ON HAND					
	2	1200	450	710	7	136	122		71	950	950	240	ON HAND	1100	RECEIVED					
0800 TO 1200	1	1200	445	725	9	120	110		62	1000	1000	240	CONSUMED	59	CONSUMED					
	2	1200	445	725	7	134	121		71	1000	1000	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)							
													No. 2 4 hrs. 2/4		No. 2 4 hrs. 0/4		No. 2 4 hrs. 4 hrs.			
													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	PROPELLER SLIP (%)	13.203				
													DETENTION TIME	✓	BBL FUEL/MI	1.49-1.72				
													TOTAL REVOLUTIONS	138,580	WIND DIRECTION	080°-15 kts				
													AVERAGE R.P.M.	96.2	STATE OF SEA	080°-3 ft				
													TOTAL MILES BY ENGINE	515	STATE OF WEATHER	Cloudy-				
													TOTAL MILES BY OBSERVATION	447	S=18.62	A=6.4				

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN SERVICE - B1+B2
 G1+G2 - M1-M4 - MER - A1-AC1 - AER - D1+D2 - P1+P2 - F1+F2 - C1-W1-L1-S1-E2 - COMPLYING
 NIGHT + STANDING ORDERS - CHANGED + CLEANED L.O. STRAINER MN TURBINE - CHANGED
 OVER + CLEANED STBD F.O. DISCHARGE STRAINER - HELD ENG. CASUALTY DRILL E-11
 1400 TO 1430 - 4 MEN PRESENT BRIDGE NOTIFIED - PUMPED BILGES ER -
 RENEWED BALL IN RELIEF VALVE STBD FEED PUMP -

WATCH ENGR'S SIGNATURE -

CR Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / PIS WATER GAGE GLASSES BLOWN / BLEW TUBES
 PIS BOILERS / BOILER CONDSTE TESTS / BOILER EXT. MACHINERY SPACES INSPECTED
 F.O. BURNERS + STRAINERS CLEANED / CONDUCTED ENG. CASUALTY DRILL E-11 "ELECT.
 POWER FAILURE TO THE STEERING GEAR" 1730-1740, 4 MEN, BRIDGE NOTIFIED.
 #1 MN FEED PUMP CUT OUT @ 1745; RESET IMMEDIATELY / STEERING GEAR CHECKED / REGISTERS
 AND WIND BOX DRAIN HOLES CLEAR / MN. L.O. STRAINER CLEANED / E.R. BILGES PUMPED /
 CONDITIONS AS BEFORE EXCEPT AS UNDERLINED / TELEP CIRC 3 OUT OF ORDER

WATCH ENGR'S SIGNATURE -

J. J. Gray

2000-2400 WATCH

Machinery as Before, Except: - changed & cleaned Port Fuel oil 1st
 Strainer - changed & cleaned #2 generator Lube oil Strainer - Struck
 Down 60 Gal. Lube oil from Settling Tank into Main Sump - Held
 Eng. Casualty Drill "E-11" 2200-2220 4 men present Notified Bridge -
 Changed to Inboard Settler @ 2330 - Pumped Eng. Space Bilges -
 Water from cloud from Bridge @ 2030 -

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING NIGHT +
 STANDING ORDERS - CHANGED + CLEANED TOP F.O. BURNERS IN ENH BOILER -
 0130 TO 0200 HELD ENG. CASUALTY DRILL "E-12" 4 MEN PRESENT - BRIDGE NOTIFIED.
 PUMPED ER BILGES

WATCH ENGR'S SIGNATURE -

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES / PIS WATER GAGE GLASSES BLOWN / BOILER
 CONDSTE TESTS / MACHINERY SPACES BOILER EXT. EXAM, / F.O. MN. L.O.
 STRAINERS CLEANED / CONDUCTED ENG. CASUALTY DRILL E-12 "HYDRAULIC
 PIPE TO ONE STEERING RAM CARRIES AWAY" 0515-0530 (4) MEN, BRIDGE
 NOTIFIED / STEERING GEAR INSPECTED / REGISTER'S WIND BOX DRAIN HOLES CLEAR /
 E.R. BILGES PUMPED / LOWERED STM PRES TO 455, #2 SUPRNTX SAFETY VALVE LIFTING +
 NOT RESEATING / Master Control Reset to 450 PSI.

WATCH ENGR'S SIGNATURE -

J. J. Gray

0800-1200 WATCH

Machinery as Before, Except: - Blow Down #2 Boiler 0900-0915 - Transferred
 Fuel oil from 4th to Port outboard Port Inboard Settler - changed & cleaned Lower
 Fuel oil Burner - Held Eng. Casualty Drill "E-12" 1000-1020 4 men
 Present Notified Bridge - changed to Outboard Settler @ 1125 - Pumped
 Eng. Space Bilges - Circuit "I" O.K. @ 0805 -

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

F.O. TRANSFER FROM No 6 P TO BOTH SETTLERS OK
 0030 - TELEPHONE CIRCUIT "J" DEAD CANNOT CALL OUT NOR RECEIVE OK
 0030 TELEPHONE CIRCUIT "3JX" TO BRIDGE IS OK - TO AFT ENG ROOM DEAD OK
 PORT BOILER SUPRNTX SAFETY STARTED LIFTING @ 460 PSI, SET MASTER
 CONTROL ON BOARD @ 455 PSI; RESET TO 450 PSI

BOILER

1057 P. ALK 9.83
 1577 T. ALK 1460
 456 CHLO 456
 35 PH. 4 35
 63 SO. 3 65
 10.5 PH 10.5
 4036 W. HRS 3846
 1368 P. HRS 1308

CHIEF ENGR'S SIGNATURE -

J. J. Hillman

		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	240	220	220	240	MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD	157	157	156	157	157	155		
DETENTION TIME									HOTTEST GEAR BEARING AFT	150	150	148	150	150	147		
REVOLUTION COUNTER (END OF WATCH)		0418 8930	12400	0423 3790	0423 5150	76570	0490 0110		AUX. COND. CONDENSATE	88/88	95	86 86	86/86	92	86 86		
TOTAL REVOLUTIONS (FOR WATCH)		23210	23570	21390	21390	21390	23540		1ST STAGE FEED WATER HEATER	156	153	154	156	154	156		
AVERAGE RPM		96.7	98.2	97.2	97.2	97.2	98		D. C. FEED WATER HEATER	240	240	238	240	240	238		
F.O. METER (END OF WATCH)		8670 530	73180	8675 570	8677 930	80360	8683 020		3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		2620	2650	2390	2360	2430	2660		BOILER PARTICULARS	TEMPERATURES	SUPER HEAT	P	800	790	810	810	800
MACHINERY PARTICULARS	PRESSURES	THROTTLE	435	445	435	440	440	S				800	790	810	810	800	810
		H.P. AHEAD	410	425	410	420	420	420			F.O. TO BURNERS	150	150	150	150	150	150
		L.P. AHEAD	25	27	25.5	24	26	26			AIR TO FURNACE	P	124	122	118	118	117
		VACUUM	28.5	28.8	29"	29"	29	29"		S		124	122	118	118	117	119
		L.O. TO TURBINES	13.5	13.3	13.3	13.3	13.3	13.3		F.O. TEMP. IN SETTLING TANKS	P	94	86	84	84	80	78
		AUX. STEAM	150	150	150	150	150	150		S	76	76	76	76	76	80	
		BACK PRESSURE	9	9	9	9	9	9		PORT BOILER UPTAKE	290	295	300	300	305	285	
		GLAND STEAM	2	2	2	2	2	2		STBD. BOILER UPTAKE	290	295	295	300	300	295	
		H.P. BLEEDER								PRESSURES	F. O. BACK PRESSURE	12	12	12	12	12	12
		I.P. BLEEDER	6	6	6	6	6	6	MAIN STEAM		450	450	450	460	450	450	
L.P. BLEEDER	9	9	9"	9	9	9"	F.O. TO BURNERS	180	180		180	180	180	180			
STEAM AT THROTTLE	687	690	695	695	695		MAIN COND. SALINITY	.4	.41/7		.4	.4	.41/8	.4			
L. P. EXHAUST	99	100	98	99	99	100	ENGINE ROOM TEMPERATURE	74	82	72	72	80	72				
CONDENSATE	93	93	91	92	92	93	FIRE ROOM TEMPERATURE										
CIRC. WATER IN	66	66	65	65	66	65	NOZZLES IN USE	16	16	16	16	16	16				
CIRC. WATER OUT	77	78	76	76	77	78	MISCELLANEOUS	NO. OF BURNERS IN USE	P	3	3	3	3	3	3		
L.O. TO COOLERS	130	130	126	130	130	126			S	3	3	3	3	3	3		
L.O. FROM COOLERS	110	110	108	110	110	108		BURNER TIP SIZE	P	53/70	53/70	53/70	53/70	53/70	53/70		
TEMPERATURE THRUST BEARING	118	119	119	118	118	119			S	53/70	53/70	53/70	53/70	53/70	53/70		
FORWARD H.P. ROTOR BEARING	130	131	126	130	130	126		CO ₂ % PORT BOILER	12	12.5	13	13	13	13			
AFT. H.P. ROTOR BEARING	139	140	136	139	140	136		CO ₂ % STBD. BOILER	12	13.0	13	13	13	13			
FORWARD L.P. ROTOR BEARING	133	132	130	133	133	130		OIL LEVEL MAIN SUMP	1/2"	1/2"	1/2"	1-2"	1/2"	1/2"			
AFT. L.P. ROTOR BEARING	132	132	130	132	132	130		DW	.4	0.41	.4	.4	0.41	.4			

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	ON HAND AT START OF DAY	BOILER WATER	ON HAND AT START OF DAY		
1200 TO 1600	1	1200	435	720	9	117	109		62	950	950	240	03.130	156		156		
	2	1200	435	720	7	135	121		71	950	950	240	72.440	26		26		
1600 TO 2000	1	1200	435	720	9	118	108		63	950	950	240	30.690	153		153		
	2	1200	445	730	7	134	121		71	950	950	240	72.70	29		29		
2000 TO 2400	1	1200	440	730	9	118	110		62	950	950	240	—					
	2	1200	440	730	7	134	121		72	950	950	240	730					
2400 TO 0400	1	1200	440	730	9	123	115		62	950	950	240	6540					
	2	1200	440	730	7	134	121		72	950	950	240						
0400 TO 0800	1	1200	440	730	9	119	111		62	950	950	240						
	2	1200	440	730	7	134	121		72	950	950	240						
0800 TO 1200	1	1200	440	725	9	118	108		62	950	950	240						
	2	1200	440	725	7	134	121		72	950	950	240						
FUEL OIL													METER PREVIOUS NOON	72.440	ON HAND AT START OF DAY	156		
DOMESTIC WATER													CONSUMED BY METER	30.690	EVAPORATED OR RECEIVED	26		
													ON HAND AT START OF DAY	72.70	ON HAND	153		
													RECEIVED DURING DAY	—	CONSUMED	29		
													EXPENDED DURING DAY	730				
													REMAINING ON BOARD	6540				
LUBE OIL													ON HAND AT START OF DAY	1100	CONSUMED			
													EVAPORATED OR RECEIVED	114				
DIESEL OIL													ON HAND	1149	ON HAND			
													CONSUMED	65	RECEIVED			
													CONSUMED	65	CONSUMED			
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)													2/4	#2 3/4	#2 3/4	2/3 2/3		
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	3 2/3	3 2/3	3 2/3	4
SUMMARY													RUNNING TIME	1380	PROPELLER SLIP (%)	14.86		
													DETENTION TIME	✓	BBL FUEL/MI	1.48-1.74		
													TOTAL REVOLUTIONS	132.080	WIND DIRECTION	050°-10 kts		
													AVERAGE R.P.M.	95.71	STATE OF SEA	0.50°-3 ft		
													TOTAL MILES BY ENGINE	491	STATE OF WEATHER	Cloudy		
													TOTAL MILES BY OBSERVATION	418		18.17 kts	A=64°	

REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN SERVICE - B1+B2
G1+G2-M1-MC1-MER-A1-AER-D+D2-D1+P2-F1+F2-C1-W1-L1-S1-E2
COMPLYING W/NIGHT + STANDING ORDERS - CHANGED OVER + CLEANED L.O.
STRAINER MN. TURBINE - CHANGED + CLEANED STB FD. DISCH. STRAINER -
PUMPED BILGES - 1530 BLEW TUBES BOTH BOILER / BRIDGE PERMISSION
HELD ENG CASUALTY / DRILL "E-13" 1300-1330 4 MEN PRESENT BRIDGE NOTIFIED

F.O. (OUT)
F.W. No 32
MUF DB
MU-U 4.7
EVAP No 2
GAL-D 4500

WATCH ENGR'S SIGNATURE -

Al Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / PIS WATER GAGE GLASSES BLOWN / F.O. BURNERS CLEANED
F.O. MN L.O. STRAINERS CLEANED / BOILER CONDSTE TESTS / BOILER EXTERIOR
MACHINERY SPACES INSPECTED / CONDUCTED CASUALTY DRILL "E-13" SERIOUS
STEAM LEAK REQUIRING ABANDONMENT OF MACHINERY SPACES, 0930-1950, 4 MEN
BRIDGE NOTIFIED / STEERING GEAR INSPECTED / TRANS F.O. FROM #4 TO INBO 5277
ADDED 1 GAL. L.O. TO #1 MN FEED PUMP / E.R. BILGES PUMPED / COMPLIED W/DEPT ORDERS
REGISTER'S WINDBOX DRAIN HOLES CLEAR:

F.O. (OUT)
F.W. No 32
MUF DB
MU-U 4
EVAP No 2
GAL-D 4500

WATCH ENGR'S SIGNATURE -

M. J. Fry

2000-2400 WATCH

Machinery as Before, Except: - Changed & cleaned Port Fuel oil
Hot Strainers - changed & cleaned #1 Generator Lube oil Strainers - Struck
Down Lube oil from Settling Tank into Day Tanks - Held Eng. Casualty Drill
"E-13" 2200-2240 4 MEN PRESENT - Notified Bridge - Set clock ahead 20
Minutes @ 2232 - changed to Inboard Settler @ 2330 - Pumped Eng.
Space Bilges -

F.O. INBO
F.W. 32
MUF DB
MU-U 4
EVAP No 2
GAL-D 4700

WATCH ENGR'S SIGNATURE -

M. J. Fry

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING W/NIGHT +
STANDING ORDERS - CHANGED + CLEANED TOP F.O. BURNERS BOTH BOILERS
ADVANCED CLOCK 20 MIN @ 0100 - HELD ENG. CASUALTY DRILL "E-14" 0130 TO 0200
4 MEN PRESENT - BRIDGE NOTIFIED - PUMPED BILGES

F.O. INBO
F.W. 17
MUF DB
MU-U 4
EVAP No 2
GAL-D 3000

WATCH ENGR'S SIGNATURE -

Al Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES / PIS WATER GAGE GLASSES BLOWN / F.O. MN L.O. STRAINERS
CLEANED / BOILER CONDSTE TEST / BOILER EXT. MACHINERY SPACES INSPECTED /
CONDUCTED CASUALTY DRILL "E-14" "LUBE OIL FAILURE TO MAIN TURBINE" 0510-0530 / 4 MEN
BRIDGE NOTIFIED / ADVANCED CLOCK 20 MIN @ 0500 / ADDED 1 GAL L.O. TO
#2 MN FEED PUMP / STEERING GEAR INSPECTED / REGISTER'S WINDBOX DRAIN
HOLES CLEAR / #2 EVAP BRINDUMP MALFUNCT. SEC EVAP 0735

F.O. OUTBO
F.W. No 32
MUF DB
MU-U 11
EVAP No 1
GAL-D 4200

WATCH ENGR'S SIGNATURE -

M. J. Fry

0800-1200 WATCH

Machinery as Before, Except: Blew Tank #1/2 Boiler 0800-0815 -
Transferred Fuel oil from 5" into Port Outboard & Port Inboard Settlers -
Transferred Fuel oil from 7" into 4" - Held Eng. Casualty Drill "E-14" 1000-1040 -
4 MEN PRESENT - Notified Bridge - changed to Outboard Settler @ 1130 - Pumped
Eng. Space Bilges - Turned on Steam Heating @ 1030 / 1st exit Eng. -

F.O. OUTBO
F.W. 275
MUF DB
MU-U 6.8
EVAP No 2
GAL-D 4200

WATCH ENGR'S SIGNATURE -

M. J. Fry

CHIEF ENGINEER

F.O. TRANSFER FROM 4" - 5" to SETTLER

BOILER

2 BOILER 1
1168 P. ALK 1285
1597 T. ALK 1694
497 CHLO 456
45 PH. 4 45
82 SO. 3 72
11 PH 11
4060 WS. HRS. 3870
1392 PS. HRS. 1332

CHIEF ENGR'S SIGNATURE -

J. O'Halloran

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GENI JOHN POPE	3D	YOKOSUKA	SF	P2	12/13 July '66

		WATCH								WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME		240	240	220	220	220	240			HOTTEST GEAR BEARING FORWARD		158	158	160	158	158	157	
DETENTION TIME										HOTTEST GEAR BEARING AFT		151	150	151	151	150	150	
REVOLUTION COUNTER (END OF WATCH)		0432 3590	47100	0436 8690	0439 0230	11840	0443 5530			AUX. COND. CONDENSATE		87/86	93	86 86	87/87	92	86 86	
TOTAL REVOLUTIONS (FOR WATCH)		23430 AK	23560	21590	21240	21610	23690			1ST STAGE FEED WATER HEATER		154	154	154	155	153	154	
AVERAGE RPM		97.6	98.1	98.1	98	98.2	98.7			D. C. FEED WATER HEATER		240	240	238	240	240	238	
F.O. METER (END OF WATCH)		8685 590	88300	8690 720	8695 880	95560	8698 190			3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		2570	8710	2420	2360	2480	2630											
MACHINERY PARTICULARS	PRESSURES	THROTTLE	440	430	445	440	440	440	BOILER PARTICULARS	TEMPERATURES		P	810	800	810	810	800	810
		H.P. AHEAD	415	430	420	415	420	420				S	810	800	810	810	800	810
		L.P. AHEAD	25.5	26.5	26.5	24	26	26			F.O. TO BURNERS	150	150	150	150	150	150	
		VACUUM	29"	29	29"	29	29	29"			AIR TO FURNACE	P	119	122	121	121	121	124
		L.O. TO TURBINES	13.5	13.3	13.3	13.3	13.3	13.3				S	119	122	121	121	121	124
		AUX. STEAM	150	150	150	150	150	150			F.O. TEMP. IN SETTLING TANKS	P	76	72	76	76	76	72
		BACK PRESSURE	9	9	9	9	9	9				S	74	72	70	70	70	76
		GLAND STEAM	2	2	2	2	2	2			PORT BOILER UPTAKE	305	305	315	325	320	295	
		H.P. BLEEDER									STBD. BOILER UPTAKE	295	290	295	300	290	295	
	I.P. BLEEDER	6	6	6	6	6	6	F.O. BACK PRESSURE	12	12	12	12	12	12				
	L.P. BLEEDER	9	9	9"	9	9	9"	MAIN STEAM	450	450	450	450	450	450				
	TEMPERATURES	STEAM AT THROTTLE	685	690	690	690	690	690	F.O. TO BURNERS	180	180	180	180	180	180			
		L. P. EXHAUST	98	100	100	98	99	98	MAIN COND. SALINITY	.4	41/8	.4	.4	41/7	.4			
		CONDENSATE	93	93	93	93	92	91	ENGINE ROOM TEMPERATURE	73	80	72	72	80	72			
		CIRC. WATER IN	65	66	66	65	65	65	FIRE ROOM TEMPERATURE									
		CIRC. WATER OUT	77	78	77	76	77	76	NOZZLES IN USE	16	16	16	16	16	16			
		L.O. TO COOLERS	130	130	130	130	130	130	NO. OF BURNERS IN USE	P	3	3	3	3	3	3		
		L.O. FROM COOLERS	110	110	110	110	110	110		S	3	3	3	3	3	3		
TEMPERATURE THRUST BEARING		118	118	118	118	118	119	BURNER TIP SIZE	P	53/70	53/70	53/70	53/70	53/70	53/70			
FORWARD H.P. ROTOR BEARING		130	131	131	128	128	130		S	53/70	53/70	53/70	53/70	53/70	53/70			
AFT. H.P. ROTOR BEARING	140	140	141	139	140	140	CO. % PORT BOILER	12	12.5	13	13	13	13					
FORWARD L.P. ROTOR BEARING	133	133	135	133	133	132	CO. % STBD. BOILER	12	12.5	13	13	13	13					
AFT. L.P. ROTOR BEARING	132	131	134	132	132	132	OIL LEVEL MAIN SUMP	1'2"	1'2"	1'2"	1'2"	1'2"	1'2"					
								PW TEST		.4	.4	.4	.4	0.41	.4			

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	WATER	LUBE OIL			
1200 TO 1600	1	1200	450	720	9	122	114		62	950	950	240	METER AT NOON	33.850	ON HAND AT START OF DAY	153		
													METER PREVIOUS NOON	03.130	EVAPORATED OR RECEIVED	-		
	2	1200	450	720	7	135	121		71	950	950	240	CONSUMED BY METER	30.720	ON HAND	118		
													ON HAND AT START OF DAY	6540	CONSUMED	35		
1600 TO 2000													RECEIVED DURING DAY	-	ON HAND AT START OF DAY			
													EXPENDED DURING DAY	730	RECEIVED			
	1	1200	450	725	9	116	106		62	950	950	240	REMAINING ON BOARD	5810	ON HAND	5343		
													ON HAND AT START OF DAY	1149	CONSUMED	4		
2000 TO 2400													EVAPORATED OR RECEIVED	-	ON HAND			
	2	1200	450	725	7	134	121		71	950	950	240	ON HAND	1087	RECEIVED			
													CONSUMED	62	CONSUMED			
	1	1200	445	720	9	118	110		62	900	900	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
2400 TO 0400													SEC.		SEC.	#2 3hrs.		
	2	1200	445	720	7	134	121		71	900	900	240	L.O. CENTRIFUGE - HOURS OPERATED					
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
													4	4	3 2/3	3 2/3	3 2/3	4
0400 TO 0800	1	1200	440	725	9	118	111		62	900	900	240	SUMMARY					
													RUNNING TIME	1380	PROPELLER SLIP (%)	14.28		
	2	1200	440	725	7	133	121		72	900	900	240	DETENTION TIME	✓	BBL FUEL/MI	1.46-1.71		
													TOTAL REVOLUTIONS	133,340	WIND DIRECTION	330°-12		
0800 TO 1200	1	1200	440	720	9	118	110		62	1000	1000	240	AVERAGE R.P.M.	96.4	STATE OF SEA	330°-14		
													TOTAL MILES BY ENGINE	497	STATE OF WEATHER	partly cloudy		
	2	1200	440	720	7	135	121		71	1000	1000	240	TOTAL MILES BY OBSERVATION	426	Speed 18.32 A=64			

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1 + B2 - G1 + G2 - M1 - MC2 - MER - A1 - AC1 - AER - D1 + D2 - P1 + P2 - F1 + F2 - C1 - L1 - S1 - FS1 - LC1
 CHANGED OVER + CLEANED L.O. STRAINER MN. UNIT - TOOK INLET + OUTLET
 L.O. SAMPLES - CHANGED OVER + CLEANED STB'S E.O. DISCH. STRAINER - 1516
 GENERAL DRILLS - FOLLOWING ENGRS. PRESENT MER - FREY - SEARMAN - 1534
 HELD ENG. CASUALTY DRILL "E-15" 4 MEN PRESENT CHECKED DRAIN + PIPE SPOOLS FOR THIS DRILL
 PUMPED BILGES - 1534

WATCH ENGR'S SIGNATURE -

Al Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / PIS BOILER WATER GAGE GLASSES BLOWN / BLEW TUBES
 PIS BOILERS / F.O. BURNERS + STRAINERS CLEANED / BOILER CONDSTE TESTS / BOILER
 EXT. EXAM / SIMULATED ENGR. CASUALTY DRILL E-15 "MAIN HIGH
 PRESSURE TRAIL PUMPS" 1800-1820, 4 MEN BRIDGE NOTIFIED
 MACHINERY SPACES + STEERING GEAR INSP. / MN. L.O. STRAINER CLEANED
 REGISTER'S WINDBOX DRAIN HOLES CLEAR / E.R. BILGES PUMPED
 Complied w/ Dept orders / CONDITIONS AS BEFORE

WATCH ENGR'S SIGNATURE -

M. Frey

2000-2400 WATCH

Machinery as before, except: - changed & cleaned #2 Main
 Lube Oil Strainer - Held Eng. Casualty Drill "E-15" 2200-2220
 4 men notified bridge - Set clock ahead 20 minutes @
 2230 - changed to inbound settle @ 2330 - Pumped Eng. Spaces Bilges

WATCH ENGR'S SIGNATURE -

M. Frey

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING "NIGHT" +
 STANDING ORDERS - CHANGED + CLEANED TOP F.O. BURNERS EACH BOILER -
 0100 ADVANCED CLOCK 20 MIN. HELD ENG. CASUALTY DRILL "E-16" - 4 MEN PRESENT
 BRIDGE NOTIFIED 0130-0200 - PUMPED BILGES -

WATCH ENGR'S SIGNATURE -

Al Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES / PIS BOILER WATER GAGE GLASSES BLOWN / F.O. MIN
 L.O. STRAINERS CLEANED / BOILER CONDSTE. TESTS / BOILER EXT. EXAM.
 ADVANCED CLOCK 20 MIN @ 0527 / CONDUCTED ENGR. CASUALTY
 DRILL E-16 "SERIOUS FLOODING OF ENGINE SPACES 0520-0540,
 4 MEN, BRIDGE NOTIFIED / MACHINERY SPACES + STEERING GEAR INSP. / PUMPED
 E.R. BILGES / REGISTER'S WINDBOX DRAIN HOLES CLEAR / CH/ENGR IN E.R. 0645
 0705

WATCH ENGR'S SIGNATURE -

M. Frey

0800-1200 WATCH

Machinery as before, except: - Blow in #1 & #2 Bilges 0800-0915 -
 Transferred Fuel oil from #1 into Port outboard & Port Inboard Settles -
 Changed & cleaned Port fuel oil Hot Strainer - Held Eng. Casualty Drill
 "E-16" 1000-1020 4 men present notified bridge - changed to outboard
 settle @ 1130 - Pumped Eng. Spaces Bilges

WATCH ENGR'S SIGNATURE -

M. Frey

CHIEF ENGINEER

F.O. TRANSFER No. 4 Port To Both Sett.

L.O. SOUNDINGS L.O. SETTLING TANK 5-11"

L.O. STORAGE TANK 7-5"

L.O. GRAVITY FUEL

SUMP 1-2"

2 BOILER 1

1168 ALK 1168

1635 T. ALK 1635

4977 CHLO 4977

45 PH. 4 45

80 SO. 3 70

11 PH 11

4084 WS. HRS. 3894

1416 FS. HRS. 1356

CHIEF ENGR'S SIGNATURE -

M. Frey

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS	RUNNING TIME	240	240	170	220		120	MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD	157	157	157	157	158	
	DETENTION TIME								HOTTEST GEAR BEARING AFT	151	150	150	151	151	
	REVOLUTION COUNTER (END OF WATCH)	0448 9100	88770	0450 4410	0452 6070	47810	0455 6990		AUX. COND. CONDENSATE	87/88	92	85 84	84/84	88	
	TOTAL REVOLUTIONS (FOR WATCH)	23570	23670	21640	21660	21740	9180		1ST STAGE FEED WATER HEATER	155	154	153	154	150	
	AVERAGE RPM	98.2	98.6	98.3	98.4	98.7	65.5		O. C. FEED WATER HEATER	240	240	238	240	240	2
	F.O. METER (END OF WATCH)	8700 850	03510	8705 910	8728 260	10680	8712 850		3RD STAGE FEED WATER HEATER						
	F.O. CONSUMED	2660	2660	2400	2350	2420	1370								
	PRESSURES	THROTTLE	440	440	440	430	440		SUPER HEAT	P 810	805	805	805	790	2
		H.P. AHEAD	420	415	420	410	420			S 810	805	805	805	790	2
		L.P. AHEAD	24	26	26	25	26		F.O. TO BURNERS	150	150	150	150	150	2
		VACUUM	29	29.5	29	29	29.5		AIR TO FURNACE	P 125	124	124	124	123	2
		L.O. TO TURBINES	13.5	13.3	13.3	13.3	13.3			S 125	124	124	124	123	2
		AUX. STEAM	150	150	150	150	150		F.O. TEMP. IN SETTLING TANKS	P 74	72	72	76	72	MA
		BACK PRESSURE	9	9	9	9	9			S 78	72	70	72	72	
		GLAND STEAM	2	2	2	2	2		PORT BOILER UPTAKE	325	310	310	325	340	
		H.P. BLEEDER							STBD. BOILER UPTAKE	295	300	295	295	300	
		I.P. BLEEDER	6	6	6	6	6		F. O. BACK PRESSURE	12	12	12	12	12	
	TEMPERATURES	L.P. BLEEDER	9	8	8	8	8		MAIN STEAM	460	460	460	460	460	
		STEAM AT THROTTLE	690	700	690	690	680		F.O. TO BURNERS	190	180	180	180	185	
		L. P. EXHAUST	99	98	99	96	95		MAIN COND. SALINITY	.4	.41/7	.4	.4	.41/7	.4
		CONDENSATE	93	92	92	89	88		ENGINE ROOM TEMPERATURE	74	80	74	92	80	72
		CIRC. WATER IN	65	65	65	62	61		FIRE ROOM TEMPERATURE						
		CIRC. WATER OUT	77	76	76	73	73		NOZZLES IN USE	16	16	16	16	16	
		L.O. TO COOLERS	130	130	129	130	130		NO. OF BURNERS IN USE	P 3	3	3	3	3	
		L.O. FROM COOLERS	110	110	110	110	110			S 3	3	3	3	3	
		TEMPERATURE THRUST BEARING	118	118	118	118	118		BURNER TIP SIZE	P 53/70	5370	5370	5370	5370	
		FORWARD H.P. ROTOR BEARING	128	128	130	128	129			S 53/70	5370	5370	5370	5370	
		AFT. H.P. ROTOR BEARING	139	139	139	139	140		CO. % PORT BOILER	12.5	13	13	13	13	
		FORWARD L.P. ROTOR BEARING	133	133	134	133	133		% STBD. BOILER	13	13	13	13	12.5	
		AFT. L.P. ROTOR BEARING	132	132	132	132	132		OIL LEVEL MAIN SUMP	1'2"	1'2"	1'2"	1'2"	1'3"	
									DW TANK TEST	.4	0.41	.4	.4	0.41	.4

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL						
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	1	1200	450	720	9	118	111		62	1000	1000	240	61.590	33.850	27740	5810	118	74
	2	1200	450	720	7	134	121		73	1000	1000	240					1620	30
1600 TO 2000	1	1200	440	735	9	118	110		62	1000	1000	240					5343	
	2	1200	440	735	7	134	121		73	1000	1000	240						5340
2000 TO 2400	1	1200	450	720	9	118	110		62	950	950	240						
	2	1200	450	720	7	134	121		72	950	950	240						
2400 TO 0400	1	1200	450	710	9	122	113		62	950	950	240						
	2	1200	450	710	7	133	120		72	950	950	240						
0400 TO 0800	1	1800	440	715	9	121	111		62	950	950	240						
	2	1800	440	715	7	132	120		72	950	950	240						
0800 TO 1200	1	1200	440	720	9	120	110		62	1000	1000	240						
	2	1200	440	720	7	130	118		72	1000	1000	240						
LOW PRESS. EVAPORATORS (No. of hrs. operated / Fresh water made gals.)											L.O. CENTRIFUGE - HOURS OPERATED							
NOT RUN											2/4 / 3 1/2 / 3 1/2							
4											4 / 3 2/3 / 3 2/3 / 4							
SUMMARY																		
RUNNING TIME											2160		PROPELLER SLIP (%)		4.26			
DETENTION TIME											✓		BBL FUEL / MI					
TOTAL REVOLUTIONS											119.480		WIND DIRECTION					
AVERAGE R.P.M.											94.8		STATE OF SEA					
TOTAL MILES BY ENGINE											44.5		STATE OF WEATHER		Clear			
TOTAL MILES BY OBSERVATION											426							

REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1+B2
 G1+G2 - M1-MC2 - MER - A1-AC1 - AER - D1+D2 - P1+P2 - F1+F2 - C1 - L1-S1-B1-LC1
 CHANGED OVER + CLEANED L.O. STRAINER MN. TURB - PUMPED ER BILGES
 CHANGED OVER + CLEANED F.O. DISCH STRAINER STB'S -
 BLEW TUBES @ 1530 - TIME REQUESTED BY BRIDGE

F.O. OUTBD
 F.W. #3
 MUF DB1P
 MU-U 6.0
 EVAP #2/1P
 GAL-D 4700

WATCH ENGR'S SIGNATURE -

Al Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZZLES / P/S BOILER WATER COLUMN BLOWN / BOILER
 CONDSTE TESTS / BOILER EXTERIOR EXAM. / MACHINERY SPACES INSPECTED
 CONDUCTED ENGR. CASUALTY E-17 "ELECTRICAL FIRE BEHIND THE MAIN
 SWITCH BOARD, 4 MEN 1730-1750 BRIDGE NOTIFIED / STEERING GEAR INSPECTED
 F.O. MN L.O. STRAINERS CLEANED / REGISTER'S WINDBOX DRAIN HOLES CLEAR / COMPLIED
 W/DEPT ORDERS / E.R. BILGES PUMPED / FIRE PUMP SEC @ 1930

F.O. OUTBD
 F.W. #3
 MUF DB1P
 MU-U 6.0
 EVAP #2/1P
 GAL-D 4500

WATCH ENGR'S SIGNATURE -

C. W. Frey

2000-2400 WATCH

Machinery as before, except; - changed & cleaned #1 generator lube oil
 strainer - changed & cleaned lower fuel oil burners - held engine
 2200-2220 4 men present + notified bridge - set clock
 ahead 20 minutes @ 2232 - changed to double lube @ 2330 - Pumped
 Eng. Space Bilges -

F.O. INBD
 F.W. 3E
 MUF DB1P
 MU-U 5.3
 EVAP #2-1P
 GAL-D 4800

Waterite Room closed from Bridge @ 2002

WATCH ENGR'S SIGNATURE -

M. J. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - MACHINERY AS BEFORE - COMPLYING
 + STANDING ORDERS - CLOC ADVANCED CLOCK 20 MIN - HELD ENG. CASUALTY
 DRILL "E-17" 0130 TO 0200 - 4 MEN PRESENT BRIDGE NOTIFIED - CHANGED +
 CLEANED TOP F.O. BURNERS BOTH BOILERS - PUMPED BILGES

F.O. (INB)
 F.W. 3E
 MUF DB1P
 MU-U 4.5
 EVAP #1
 GAL-D 4200

WATCH ENGR'S SIGNATURE -

Al Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES / P/S WATER BAGE GLASSES BLOWN / MACHINERY SPACES
 INSPECTED / BOILER EXT. EXAM. / BOILER CONDSTE TESTS / F.O. MN. L.O.
 STRAINERS CLEANED / ADVANCED CLOCK 20 MIN @ 0500 / STEERING GEAR
 INSPECTED / REGISTER'S DRAIN'S WINDBOX CLEAR / E.R. BILGES PUMPED / COMPLIED
 W/DEPT ORDERS / OPERATING CONDITIONS NORMAL / REDUCE SPEED TO 70 RPM
 @ 0800 B/O BRIDGE

F.O. INBD
 F.W. 3E
 MUF DB1P
 MU-U 4.9
 EVAP #1
 GAL-D 4600

WATCH ENGR'S SIGNATURE -

C. W. Frey

0800-1200 WATCH

As before, except; - Reduced Speed to 70 R.P.M. @ 0800 B/O - To 60 R.P.M.
 @ 0805 B/O - Blew lube for boiler 0815-0830 - Transferred fuel oil from 6 E to
 outboard settler 65 R.P.M. @ 0908 B/O - Arrived San Francisco, CA. @ 1000 - Shaft ctr - 04556990
 Tech. Center - 04550240 - S.F.M. - 2696790 P.F.M. - 6014650 - Manoeuvring ship to dock - Puller on Bow Bell
 Book - Mr. Krupp, Bay 2nd at Thistle -

F.O. INBD
 F.W. 3E
 MUF DB1P
 MU-U 8.6
 EVAP #2/1P
 GAL-D 3500

WATCH ENGR'S SIGNATURE -

M. J. Fox

CHIEF ENGINEER

F.O. TRANSFER FROM NOSS + NOGE TO BOTH SETTLES

2 BOILER /

1168 P. ALK 1168
 1635 T. ALK 1635
 497 CHLO 497
 40 PH. 4 40
 43 SO. 3 68
 10.5 PH 10.5
 4108 WS. HRS. 3918
 1440 FS. HRS. 1380

CHIEF ENGR'S SIGNATURE -

J. O. Killerman

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
John Pope	4-A	E Alameda NAS-			14-15 July 66

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL																						
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	DOMESTIC WATER ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	BOILER WATER ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	LUBE OIL ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	DIESEL OIL ON HAND	RECEIVED	CONSUMED	
1200 TO 1600																																			
1600 TO 2000	1	1200	495	585	9	117	110		62	1.00	1100	240		64.880	61.590	3290	5150				1020	340				162			144	18		5340			
	2	1200	435	555	7	132	120		70	1100	1100	240					78	5072																	
2000 TO 2400	1	1200	435	560	7	115	120		61	1100	1100	240																							
	2	1200	435	550	7	128	120		70	1100	1100	240																							
2400 TO 0400	1	1200	435	550	8	115	110		62	800	800	240																							
	2	1200	435	550	7	130	120		70	800	800	240																							
0400 TO 0800	1	1200	435	560	8	125	110		62	900	900	240																							
	2	1200	435	550	7	130	120		70	900	900	240																							
0800 TO 1200	1	1200	430	560	9	118	110		62	1000	1000	240																							
	2	1200	435	560	9	134	120		70	1000	1000	240																							

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

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

SUMMARY

RUNNING TIME	✓	PROPELLEP 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

MANEUVERING - COMING ALONG SIDE DOCK @ FLAMINGO MARIAL AIR STATION -

1231 - SECURED STEERING GEAR - 1243 FWE COUNTER 04562700 - F.O. S 2697450

1250 - SECURED MAIN + INTER STEAM STOPS BOTH BOILERS -

ENGAGED + STARTED JACKING GEAR - 1320 SECURED PORT BOILER OPENED SUPER HEATER VENTS - BROKE VACUON MTR UNIT 1400 - SEC GLAND SEAL STEAM 1410 - SEC NO. 1 STAGE FEED HEATER

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

WATCH ENGR'S SIGNATURE -

AL Kaban

1600-2000 WATCH

MACHINERY AS BEFORE. 1055 CONSIDERABLE M.O.C. TO HP 206 PM 1500
TAKO LEAVING VALVE OFF OF APC D.C. HTR DUMP LINE. MR KOKER 3/25/57
AND MR KOKER 3/25/57 ASSISTED IN PUMPING LINE FROM 1530 - 1550. ALSO
BY SWP 12050. OILR ADDED 2 GAL L.O. TO #1 FO PUMP. STOPPED LEAKING
WOLLS @ 1800

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER - M GREGG

FWT - MCINTIRE

SEPR - HARDY

WATCH ENGR'S SIGNATURE -

F. C. Hallam

R/E

2000-2400 WATCH

MACHINERY AS BEFORE. OILR PUMPED AFT 2000 PM & DUMPED AHEAD.
COMPLETED CHECKS 2400

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER - M GREGG

FWT - MCINTIRE

WATCH ENGR'S SIGNATURE -

F. C. Hallam

R/E

2400-0400 WATCH

MACHINERY IN OPERATION AS BEFORE
INSPECTED ALL MACHINERY ALL SPACES

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER - M GREGG / FWT - MCINTIRE

WATCH ENGR'S SIGNATURE -

F. C. Hallam

0400-0800 WATCH

MACHINERY AS BEFORE
INSPECTED ALL MACHINERY ALL SPACES

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER - M GREGG / FWT - MCINTIRE

WATCH ENGR'S SIGNATURE -

F. C. Hallam

0800-1200 WATCH

MACHINERY AS BEFORE. Ship's Focus on Various Repairs -
Donkey Hatch - Riser @ Safe Level -

F.O., IN BD.
F.W.
MUF
MU-U
EVAP
GAL-D

WATCH ENGR'S SIGNATURE -

M. R. R.

CHIEF ENGINEER

BOILER

P. ALK

T. ALK

CHLO

PH. 4

SO. 3

PH

WS. HRS. 1

FS. HRS. 1

CHIEF ENGR'S SIGNATURE -

F. C. Hallam

USNS

John Pope

VOYAGE NO.

4-17

FROM

Alameda-Oakland

TO

TYPE OF VESSEL

DATE

Fri-Sat
15-16-July-66

WATCH							WATCH																																																							
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200																																								
RUNNING TIME																																																														
DETENTION TIME																																																														
REVOLUTION COUNTER (END OF WATCH)																																																														
TOTAL REVOLUTIONS (FOR WATCH)																																																														
AVERAGE RPM																																																														
F.O. METER (END OF WATCH)							8715 650							8716 800							8716 550							8716 670							8717 040							8717 420																				
F.O. CONSUMED							310							350							310							340							370							380																				
PRESSURES							THROTTLE																																																							
							H.P. AHEAD																																																							
							L.P. AHEAD																																																							
							VACUUM							28.5 28.5							28.5							27							29							29																				
							L.O. TO TURBINES							12							12							12							11							11							11													
							AUX. STEAM							140							135							135							135							135							135													
							BACK PRESSURE							9							9							9							9							9																				
							GLAND STEAM																																																							
							H.P. BLEEDER																																																							
							L.P. BLEEDER																																																							
TEMPERATURES							STEAM AT THROTTLE																																																							
							L. P. EXHAUST							120							110							105							101							103							100													
							CONDENSATE																																																							
							CIRC. WATER IN							67							67							67							67							68							68													
							CIRC. WATER OUT							68							67							67							67							68							68													
							L.O. TO COOLERS							106							107							106							106							106							106													
							L.O. FROM COOLERS							102							102							102							102							102							102													
							TEMPERATURE THRUST BEARING																																																							
							FORWARD H.P. ROTOR BEARING																																																							
							AFT. H.P. ROTOR BEARING																																																							
FORWARD L.P. ROTOR BEARING																																																														
AFT. L.P. ROTOR BEARING																																																														
TEMPERATURES							HOTTEST GEAR BEARING FORWARD																																																							
							HOTTEST GEAR BEARING AFT																																																							
							AUX. COND. CONDENSATE							90 85							95 96							100 92							92/90							92/91							92/91													
							1ST STAGE FEED WATER HEATER																																																							
							D. C. FEED WATER HEATER							238							238							240							240							240							240													
							3RD STAGE FEED WATER HEATER																																																							
							SUPER HEAT							P																																																
							F.D. TO BURNERS							S							150							155							155							150							150							155						
							AIR TO FURNACE							P																																																
							F.O. TEMP. IN SETTLING TANKS							S							72							72							72							70							72							72						
PRESSURES							PORT BOILER UPTAKE							S							70							70							70							70							71							71						
							STBD. BOILER UPTAKE																																																							
							F. O. BACK PRESSURE																																																							
							MAIN STEAM														400							450							450							450							450							450						
							F.O. TO BURNERS														140							130							130							160							170							180						
							MAIN COND. SALINITY														1							1							1																											
							ENGINE ROOM TEMPERATURE														76							73							73							67							67							67						
							FIRE ROOM TEMPERATURE																																																							
							NOZZLES IN USE																																																							
							NO. OF BURNERS IN USE							P																																																
MISCELLANEOUS							BURNER TIP SIZE							S							1							1							1							1																				
							CO ₂ % PORT BOILER																																																							
							CO ₂ % STBD. BOILER																																																							
							OIL LEVEL MAIN SUMP														1							1							1							1							1													

GENERATORS												
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	400		9	118	110		62	1000	1000	248
	2	1200	400		7	134	121		71	1000	1000	248
1600 TO 2000	1	1200	400	545	9	118	110		62	1100	1100	240
	2	1200	450	545	7	134	122		72	1100	1100	240
2000 TO 2400	1	1200	450	550	9	134	122		62	1000	1000	240
	2	1200	450	535	7	118	110		72	1000	1000	240
2400 TO 0400	1	1200	450	540	9	117	110		62	1100	1100	235
	2	1200	450	540	7	133	120		72	1100	1100	235
0400 TO 0800	1	1200	450	550	9	115	108		62	1100	1100	235
	2	1200	450	550	7	133	120		72	1100	1100	235
0800 TO 1200	1	1200	450	550	9	132	120		62	1000	1000	235
	2	1400	450	550	7	115	108		72	1000	1000	235

FUEL - WATER AND LUBE OIL					
FUEL OIL		BOILER WATER		LUBE OIL	
METER AT NOON	METER PREVIOUS NOON	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED
2060	5072	144	—	16	128
—	50	5335	—	5332	3
1300	—	—	—	—	—
60	1240	—	—	—	—

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

SUMMARY			
RUNNING TIME	DETENTION TIME	TOTAL REVOLUTIONS	AVERAGE R.P.M.
✓			

STATE OF SEA		STATE OF WEATHER	
WIND DIRECTION	WIND FORCE	WIND DIRECTION	WIND FORCE

REMARKS

1200-1600 WATCH

Machinery in operation as of noon: #1 Boiler & F.H. Pan #1 Fuel P. O. Service Pump #1 & 2
aux. line. aux. port pump, main line. main unit on jacking down L.O. Service Pump circ. Lube oil.
Freshwater Pump Lube oil Centrifuge main line Comp. changed to closed. Still Fuel oil Hot Strain - added
Working to Still Fuel Pump & Detail men - Back on Relief Valve #1 main Fuel Pump - Drained Fuel oil
From 72 L to Intermittent Settler - Bilges @ Safe Level - Ship's Pan on Main Engine M & R
Working on Boiler

Euler - Boller

F.H. Pan

WATCH ENGR'S SIGNATURE

M. For

1600-2000 WATCH

MACHINERY AS BEFORE. OILER PUMPED PORT SHAFT ALLEY. BILGE SCANN
STANDARDS. CONSIDERABLE WATER. PUMPED AT SAFE LEVEL. CLEANED ALLEY
STANDING ORDERS.

MEREDS GEN

OILER - MANNING

FUEL MORE

ELECT. JENKINS

2000-2400 WATCH

MACHINERY AS BEFORE. OILER PUMPED STBD SHAFT ALLEY. BILGES
AT SAFE LEVEL. CLEANED ALLEY S/O.

OILER - MEREDS

FUEL - MORE

ELECT. JENKINS

2400-0400 WATCH

MACHINERY AS BEFORE. PUMPED SHAFT ALLEY BILGES. ENGINE ROOM
BILGES @ SAFE LEVEL. COMPLIED WITH NIGHT & STANDING ORDERS.
CLEANED STBD F.O. DISCH. STRAINER. CHANGED & CLEANED BURNER IN USE.

OILER - Purley FWT - Dandridge Reefec - Herisstad

ELECT. Jenkins

WATCH ENGR'S SIGNATURE

J. Long 6 RT

0400-0800 WATCH

MACHINERY AS BEFORE. PUMPED ENGINE ROOM & SHAFT
ALLEY BILGES. COMPLIED W/ NIGHT & STANDING ORDERS.

OILER - Purley FWT - Dandridge Reefec - Herisstad

WATCH ENGR'S SIGNATURE

J. Long 6 RT

0800-1200 WATCH

MACHINERY AS BEFORE. START WORKING ON
ADDITIONAL THROTTLERS 0800 - INSPECTED ALL MACHINERY ALL SPACES

OILER - Purley FWT - Dandridge Reefec - Herisstad
P. R. S. F. OILER FWT - DANDRIDGE STANDING ORDERS
P. R. S. F. OILER FWT - DANDRIDGE STANDING ORDERS

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE

J. Long 6 RT

BOILER

P. ALK

T. ALK

CHLO

PH. 4

SO. 3

PH

WS. HRS.

FS. HRS.

CHIEF ENGR'S SIGNATURE

J. Long 6 RT

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM	8717	8718		8718	8719	8719							
F.O. METER (END OF WATCH)	720	130		790	130	410							
F.O. CONSUMED	360	350		660	340	290							
PRESSURES	THROTTLE												
	H.P. AHEAD												
	L.P. AHEAD												
	VACUUM	28.5	28.5	28.5	28.5	28.5							
	L.O. TO TURBINES	11	11	11	11	11							
	AUX. STEAM	140	140	140	140	140							
	BACK PRESSURE	9	9	9	9	9							
	GLAND STEAM												
	H.P. BLEEDER												
	L.P. BLEEDER												
TEMPERATURES	STEAM AT THROTTLE												
	L. P. EXHAUST	98	98	98	88	88							
	CONDENSATE												
	CIRC. WATER IN	64	64	64	65	65							
	CIRC. WATER OUT	65	65	66	65	65							
	L.O. TO COOLERS	105	106	106	105	105							
	L.O. FROM COOLERS	103	104	104	101	101							
	TEMPERATURE THRUST BEARING												
	FORWARD H.P. ROTOR BEARING												
	AFT. H.P. ROTOR BEARING												
MISCELLANEOUS	FORWARD L.P. ROTOR BEARING												
	AFT. L.P. ROTOR BEARING												
	NOZZLES IN USE												
	NO. OF BURNERS IN USE												
	BURNER TIP SIZE												
	CO ₂ % PORT BOILER												
	CO ₂ % STBD. BOILER												
	OIL LEVEL MAIN SUMP												

GENERATORS													FUEL - WATER AND LUBE OIL											
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL			BOILER WATER			LUBE OIL			DIESEL OIL		
													METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	ON HAND	RECEIVED
1200 TO 1600	1	1200	450	595	9	120	110		62	1050	1050	240							ON HAND AT START OF DAY	128				
	2	1200	450	595	7	134	120		70	1050	1050	240							EVAPORATED OR RECEIVED	-				
1600 TO 2000	1	1200	450	600	9	120	110		62	1000	1000	240			5022				ON HAND	14				
	2	1200	450	600	7	134	120		70	1000	1000	240							CONSUMED	114				
2000 TO 2400	1	1200	450	600	9	120	110		62	1100	1100	240							ON HAND AT START OF DAY	5332				
	2	1200	450	600	7	134	120		70	1100	1100	240			72				RECEIVED	-				
2400 TO 0400	1	1200	450	600	9	118	110		62	1100	1100	240			4950				ON HAND	5329				
	2	1200	450	600	7	134	120		70	1100	1100	240							CONSUMED	3				
0400 TO 0800	1	1200	450	600	9	118	110		62	1100	1100	240			1240				ON HAND					
	2	1200	450	600	7	134	120		70	1100	1100	240							RECEIVED					
0800 TO 1200	1	1200	450	600	9	118	110		62	1050	1050	240			48				CONSUMED					
	2	1200	450	600	7	134	123		72	1050	1050	240			1192				CONSUMED					
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																								
L.O. CENTRIFUGE - HOURS OPERATED																								
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200														
4		4		4		4		4		4		see												
SUMMARY																								
RUNNING TIME													PROPELLER SLIP (%)											
DETENTION TIME													BBL FUEL/MI											
TOTAL REVOLUTIONS													WIND DIRECTION											
AVERAGE R.P.M.													STATE OF SEA											
TOTAL MILES BY ENGINE													STATE OF WEATHER											
TOTAL MILES BY OBSERVATION																								

1200-1600 WATCH

SHIFTING SHIP FROM NAS TO NAVI SUPPLY CENTER
DOWNER TO STEERING GEAR 1230
POWER OFF STEERING GEAR 1430 11.12.11 WORKING ON
MAIN THRUSTLE

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER DEASLEE FINT DANDRIDGE

1600-2000 WATCH

HARDY 2ND REFFER ON WATCH
MACHINERY AS BEFORE
INSPECTED ALL MACHINERY ALL SPACES
11.12.11 WORKING ON THRUSTLE SUBSTEAM VALVE

WATCH ENGR'S SIGNATURE-

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER INGREOS FINT MORIE

2000-2400 WATCH

HARDY 2ND REFFER ON WATCH.
MACHINERY IN OPERATION AS BEFORE
INSPECTED ALL MACHINERY ALL SPACES

WATCH ENGR'S SIGNATURE-

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER INGREOS FINT MORIE

2400-0400 WATCH

SUN - MACHINERY AS BEFORE. COMPLIED W/ STANDING ORDERS.
PUMPED SHAFT ALLEY & ENGINE RM BILGES AS NEEDED.
SECURED DRAIN VALVE FROM OPENING SOV. VALVE BODY -
WATER WAS BACKING UP AND RUNNING ONTO DIC PLATES
REMOVED APPROX TWO TONS OF WATER FROM MN CONDENSER.

WATCH ENGR'S SIGNATURE-

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER Purley FWT - Dandridge Reffer-Hengstad

0400-0800 WATCH

MACHINERY AS BEFORE. COMPLIED W/ STANDING ORDERS.
PUMPED SHAFT ALLEY & ENGINE RM BILGES AS NEEDED. ADDED
1 GAL L.O. TO P-1.

WATCH ENGR'S SIGNATURE-

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER Purley FWT - Dandridge Reffer-Hengstad

0800-1200 WATCH

Secured Jacking Gear Lub oil cycle @ 0900
Secured LO Purifier @ 0900. MADE ROUTINE INSPECTION OF MACH
SPACES. PUMPED ENGINE ROOM & SHAFT ALLEY BILGES.

WATCH ENGR'S SIGNATURE-

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

OILER Purley FWT - Dandridge Reffer-Hengstad

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

BOILER

P. ALK

T. ALK

CHLO

PH. 4

SO. 3

PH

WS. HRS.

FS. HRS.

CHIEF ENGR'S SIGNATURE-

WATCH							WATCH						
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME							HOTTEST GEAR BEARING FORWARD						
DETENTION TIME							HOTTEST GEAR BEARING AFT						
REVOLUTION COUNTER (END OF WATCH)							AUX. COND. CONDENSATE						
TOTAL REVOLUTIONS (FOR WATCH)							1ST STAGE FEED WATER HEATER						
AVERAGE RPM							D. C. FEED WATER HEATER						
F.O. METER (END OF WATCH)							3RD STAGE FEED WATER HEATER						
F.O. CONSUMED							SUPER HEAT						
THROTTLE							F.O. TO BURNERS						
H.P. AHEAD							AIR TO FURNACE						
L.P. AHEAD							F.O. TEMP. IN SETTLING TANKS						
VACUUM							PORT BOILER UPTAKE						
L.O. TO TURBINES							STBD. BOILER UPTAKE						
AUX. STEAM							F. O. BACK PRESSURE						
BACK PRESSURE							MAIN STEAM						
GLAND STEAM							F.O. TO BURNERS						
H.P. BLEEDER							MAIN COND. SALINITY						
I.P. BLEEDER							ENGINE ROOM TEMPERATURE						
L.P. BLEEDER							FIRE ROOM TEMPERATURE						
STEAM AT THROTTLE							NOZZLES IN USE						
L. P. EXHAUST							NO. OF BURNERS IN USE						
CONDENSATE							BURNER TIP SIZE						
CIRC. WATER IN							CO ₂ % PORT BOILER						
CIRC. WATER OUT							CO ₂ % STBD. BOILER						
L.O. TO COOLERS							OIL LEVEL MAIN SUMP						
L.O. FROM COOLERS							DW TH						
TEMPERATURE THRUST BEARING							0.41						
FORWARD H.P. ROTOR BEARING													
AFT. H.P. ROTOR BEARING													
FORWARD L.P. ROTOR BEARING													
AFT. L.P. ROTOR BEARING													

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	1	1200	450	545	9	120	111		62	1000	1000	4950			114		100
	2	1200	450	595	7	133	120		72	1000	1000	72			14		14
1600 TO 2000	1	1200	450	600	9	120	110		62	1000	1000	4878			5326		5323
	2	1200	450	600	7	132	120		72	1000	1000	1192			3		3
2000 TO 2400	1	1200	450	600	9	130	110		62	850	850						
	2	1200	450	600	7	132	120		72	850	850						
2400 TO 0400	1	1200	450	600	9	120	112		62	900	900						
	2	1200	450	600	7	134	120		72	900	900						
0400 TO 0800	1	1200	450	600	9	120	112		62	900	900						
	2	1200	450	600	7	133	120		72	900	900						
0800 TO 1200	1	1200	450		9	120	112		62	1000	1000						
	2	1200	450		7	133	130		72	1000	1000						
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		PROPELLER SLIP (%)			
												DETENTION TIME		BBL FUEL/MI			
												TOTAL REVOLUTIONS		WIND DIRECTION			
												AVERAGE R.P.M.		STATE OF SEA			
												TOTAL MILES BY ENGINE		STATE OF WEATHER			
												TOTAL MILES BY OBSERVATION					

REMARKS

1200-1600 WATCH

#1 Boiler, Forced Draft blower & Feed Pump, #1-2 HUX
GENERATORS, PUMPED Eng Room bilges.

F.O.
F.W.
MUF-B
MU-U
EVAP
GAL-D

1600-2000 WATCH

Oiler Pursley FWT Dandridge

WATCH ENGR'S SIGNATURE

MACHINERY IN OPERATION AS BEFORE
INSPECTED ALL MACHINERY ALL SPACES
CLEAN BURNING AND STRAINERS BILGE AT SAFE LEVEL

2000-2400 WATCH

Oiler McGREGG FWT Dandridge

WATCH ENGR'S SIGNATURE

MACHINERY IN OPERATION AS BEFORE
INSPECTED ALL MACHINERY ALL SPACES
CLEAN BURNERS BILGES AT SAFE LEVEL

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

2400-0400 WATCH

Mon. Machinery As Before Complied w/ Night & Standing Orders.
Added 1 gal L.O. To p-1. B-1 Salinity 15.74 gpg.
Pumped Engine Rm. & Shaft Alley Bilges.

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

0400-0800 WATCH

Oiler Pursley FWT Dandridge Ref Hericstad
ROUTINE AUXILIARY WATCH.

WATCH ENGR'S SIGNATURE

Machinery As Before Complied w/ Night & Standing Orders.
Bilges e Safe level.

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

0800-1200 WATCH

Oiler Pursley FWT DANDRIDGE REF HERICSTAD.

WATCH ENGR'S SIGNATURE

STBD WATER CAGE CLASSES BLOWN / MACHINERY SPACES INSPECTED / M-R
INSTALLING FLANGE GASKETS MAIN STEAM STOP PORT BOILER / STBD BOILER
14.98 GPM, CONTINUOUS BLOW TO SINK / #1 P. #1 S. & DW DATA 0.41
M-H REVIEWED GOV. SPRING AHEAD THROTTLE / STARTED FUELING VESSEL
@ 10:05 / REGROUTINE WATCH CARRIED OUT / CONDITIONS NORMAL & UNCHANGED

F.O.
F.W.
MUF
MU-U
EVAP
GAL-D

CHIEF ENGINEER

OILER-BELLA / FWT-HAUSER

WATCH ENGR'S SIGNATURE

2 BOILER

S P. ALK 10.51
E T. ALK 14.60
C. CHLO 14.98
U PH. 4 14.98
H SO. 3 5.3
E PH 6.3
E WS. HRS. 10.5
H WS. HRS. 14.14
14.08 14.76
14.40

CHIEF ENGR'S SIGNATURE

14.08
14.40
A 6025

WATCH							WATCH						
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME							HOTTEST GEAR BEARING FORWARD						
DETENTION TIME							HOTTEST GEAR BEARING AFT						
REVOLUTION COUNTER (END OF WATCH)							AUX. COND. CONDENSATE						
TOTAL REVOLUTIONS (FOR WATCH)							1ST STAGE FEED WATER HEATER						
AVERAGE RPM							D. C. FEED WATER HEATER						
F.O. METER (END OF WATCH)							3RD STAGE FEED WATER HEATER						
F.O. CONSUMED							P						
PRESSURES	THROTTLE						SUPER HEAT						
	H.P. AHEAD						F.O. TO BURNERS	150	150	150	150	150	150
	L.P. AHEAD						AIR TO FURNACE	P					102
	VACUUM	29	29	29	29	26-29	S	110	108	108	100	100	102
	L.O. TO TURBINES					11	F.O. TEMP. IN SETTLING TANKS	P	72	72	72	72	72
	AUX. STEAM	140	140	140	140	140	S	70	70	70	70	70	70
	BACK PRESSURE	9	9	9	9	9	PORT BOILER UPTAKE						
	GLAND STEAM					2	STBD. BOILER UPTAKE	240	240	240	240	240	240
	H.P. BLEEDER						F. O. BACK PRESSURE						
	L.P. BLEEDER						MAIN STEAM	450	450	460	460	460	460
TEMPERATURES	STEAM AT THROTTLE						F.O. TO BURNERS	140	130	130	130	130	130
	L. P. EXHAUST	110	110	110	110	112	MAIN COND. SALINITY	41/7					
	CONDENSATE						ENGINE ROOM TEMPERATURE	80	80	80	80	80	72
	CIRC. WATER IN	68	68	68	68	68	FIRE ROOM TEMPERATURE						
	CIRC. WATER OUT	78	78	78	78	78	NOZZLES IN USE						
	L.O. TO COOLERS					76	NO. OF BURNERS IN USE	P					1
	L.O. FROM COOLERS					81	S	1	1	1	1	1	1
	TEMPERATURE THRUST BEARING						P						60/60
	FORWARD H.P. ROTOR BEARING						S	60	60	60	60	60	60
	AFT. H.P. ROTOR BEARING						CO ₂ % PORT BOILER						
GENERATORS							CO ₂ % STBD. BOILER						
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON
	1	1800	440		9	118	110		62	950	950	240	METER PREVIOUS NOON
1200 TO 1600	2	1800	440		7	134	122		72	950	950	240	CONSUMED BY METER
1600 TO 2000	1	1200	440		9	116	110		62	1000	1000	240	ON HAND AT START OF DAY
	2	1200	440		7	132	122		72	1000	1000	240	RECEIVED DURING DAY
2000 TO 2400	1	1200	440		9	116	110		62	1100	1100	240	EXPENDED DURING DAY
	2	1200	440		7	132	122		72	1100	1100	240	REMAINING ON BOARD
2400 TO 0400	1	1200	440		9	117	110		62	1000	1000	240	ON HAND AT START OF DAY
	2	1200	440		7	132	122		72	1000	1000	240	RECEIVED DURING DAY
0400 TO 0800	1	1200	440		9	116	110		62	1100	1100	240	EXPENDED DURING DAY
	2	1200	440		7	133	122		72	1100	1100	240	REMAINING ON BOARD
0800 TO 1200	1	1200	450		9	122	112		62	1100	1100	240	ON HAND AT START OF DAY
	2	1200	450		7	134	120		72	1100	1100	240	RECEIVED DURING DAY

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL									
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED			
1200 TO 1600	1	1800	440		9	118	110		62	950	950	240				4878						
	2	1800	440		7	134	122		72	950	950	240	RECEIVED DURING DAY	14001	EXPENDED DURING DAY	4806	REMAINING ON BOARD	18807	ON HAND AT START OF DAY	5323		
1600 TO 2000	1	1200	440		9	116	110		62	1000	1000	240										
	2	1200	440		7	132	122		72	1000	1000	240	ON HAND AT START OF DAY	1130	EVAPORATED OR RECEIVED	-	ON HAND		5320	RECEIVED	-	
2000 TO 2400	1	1200	440		9	116	110		62	1100	1100	240	ON HAND	1090	CONSUMED	60	ON HAND					
	2	1200	440		7	132	122		72	1100	1100	240	CONSUMED				CONSUMED					
2400 TO 0400	1	1200	440		9	117	110		62	1000	1000	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)									
	2	1200	440		7	132	122		72	1000	1000	240	L.O. CENTRIFUGE - HOURS OPERATED									
0400 TO 0800	1	1200	440		9	116	110		62	1100	1100	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	3 1/2			
	2	1200	440		7	132	122		72	1000	1000	240	SUMMARY									
0800 TO 1200	1	1200	440		9	122	112		62	1100	1100	240	RUNNING TIME			PROPELLER SLIP (%)						
	2	1200	440		7	133	122		72	1100	1100	240	DETENTION TIME			BBL FUEL/MI						
	1	1200	450		9	122	112		62	1100	1100	240	TOTAL REVOLUTIONS			WIND DIRECTION						
	2	1200	450		7	134	120		72	1100	1100	240	AVERAGE R.P.M.			STATE OF SEA						
													TOTAL MILES BY ENGINE			STATE OF WEATHER						
													TOTAL MILES BY OBSERVATION									

1200-1600 WATCH

MACHINERY IN SERVICE - B1, G1, G2, A1, A2, AE, D1, P1, F1, C1, W1 /
 DW TH 0.41 & FOIL, #1 STBD 0.41 ~~4~~ 34T, #1 PORT 0.41 ~~4~~ 34T /
 STOP BAR ON CONTINUOUS BLOW TO BILGE 14:09 GPM / CLEANED GEN. F
 L.O. & F.O. STRAINERS / BOILER & CONDENSE TESTS / F.R. BILGES PUMPED /
 OPERATING CONDITIONS UNCHANGED & NORMAL / ROUTINE WATCH
 CARRIED OUT / CONTINUING FUELING VOISSEL /

OILER-BELLAFONT-HAUSER / 3RD HENR FOX ON 14 MINUT.
 1600-2000 WATCH

WATCH ENGR'S SIGNATURE

MACHINERY IN OPERATION AS BEFORE
 INSPECTED ALL MACHINERY & ALL SPACES
 START TAKING ON BUCKERS 1805 KNOCKING IN CARGO

FINT

OILER PUCKETT OILER ANCREOS

Hardy R.P. Reflec 16/24

GRAHAM, E. ELECT. WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACHINERY AS BEFORE
 INSPECTED ALL MACHINERY & ALL SPACES
 FINISH TAKING ON BUCKERS 2140
 TAKING CARGO

OILER ANCREOS FINT PUCKETT

2400-0400 WATCH

Machinery in operation as before, complied with standing
 & posted orders

OILER MCREOS FWT DANDRIDGE REF. HERIGSTAD

0400-0800 WATCH

WATCH ENGR'S SIGNATURE

MACHINERY AS BEFORE. COMPLIED W/ NIGHT & STANDING
 ORDERS. @ 0430 E. GRAHAM, ELECT., REPORTED CASEL HANDLING
 COMPLETED. @ 0645 E. GRAHAM ELECT. WORKED OUT BY HERIGSTAD REFER TO
 WORK ON ICE CREAM CABINET. COMPLETED @ 0715

OILER MCREOS FWT PURSNEY REF. HERIGSTAD

0800-1200 WATCH

WATCH ENGR'S SIGNATURE

As Before, except: Lit off L.O. Centrifuge @ 0830 - changed to Cent. bowl
 Settler @ 0900 - Wheel Clearance given by Mr. Laven 1st Mot @ 0900 & Main Unit on Jack-
 ing Bar @ 0905 - Mr. Pur. Completed Repairs on Port Main. Stop @ 1000 & Lit off 2 Boilers &
 Raising Vacuum on Main Unit @ 1005 - Synchr. Clat @ 1045 - Bldg @ Safe Level

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE

Rec'd 14.001 BBl # 6 Fuel Oil -

2 BOILER /

P. ALK

T. ALK

CHLO

PH. 4

SO. 3

PH

WS. HRS. 4040

FS. HRS. 1500

CHIEF ENGR'S SIGNATURE

USNS GEN. John POPE TAP-110 VOYAGE NO. 4-H FROM NSC OAKLAND CALIF. TO TACOMA WASH. TYPE OF VESSEL P-2 S-2 R-2 DATE JULY 19-20, 1966

		WATCH								WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME			240	240	240	240	240	MACH. PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD	108	126	160	160	158	160
DETENTION TIME										HOTTEST GEAR BEARING AFT	112	143	149	150	147	150
REVOLUTION COUNTER (END OF WATCH)		0456 9320	0459 1300	0401 4160	0463 7200	0465 9840	0468 2350			AUX. COND. CONDENSATE	94 74	82 180	78 86	86	86	82
TOTAL REVOLUTIONS (FOR WATCH)			21,980	23,030	23040	22,640	22,510			1ST STAGE FEED WATER HEATER	86	150	154	154	157	154
AVERAGE RPM			91.5	95.8	96	94.8	93.8			D. C. FEED WATER HEATER	238	242	240	240	240	240
F.O. METER (END OF WATCH)		8724 660	8727 820	8729 900	8732 720	8735 370	873 7900			3RD STAGE FEED WATER HEATER						
F.O. CONSUMED		1020	2870	2370	2820	2660	2530			BOILER PARTICULARS	TEMPERATURES	SUPER HEAT	P 440	683	810	810
PRESSURES	THROTTLE		450	450	450	450	440	S 440	683			630	810	790	635	
	H.P. AHEAD		430	430	430	430	420	F.O. TO BURNERS	150			155	140	180	187	190
	L.P. AHEAD		27	28	28	28	27	AIR TO FURNACE	P 116			121	122	127	127	126
	VACUUM	28"	29.0	29.0	29"	24"	29"	S 116	121			122	127	127	126	
	L.O. TO TURBINES	14	13	13.1	13.5	13.6	13.8	F.O. TEMP. IN SETTLING TANKS	P 74			74	76	72	78	86
	AUX. STEAM	140	140	145	145	145	140	S 74	74			72	92	120	96	
	BACK PRESSURE	9	10	9	9	9	9	PORT BOILER UPTAKE	300			329	325	360	380	305
	GLAND STEAM	3	3	2	2	2	.8	STBD. BOILER UPTAKE	260			300	300	320	360	305
	H.P. BLEEDER		80	80	80	90	85	F. O. BACK PRESSURE	12			12	12	12	12	11
	I.P. BLEEDER		10		6	5.5	6	MAIN STEAM	460	450	450	460	450	440		
L.P. BLEEDER		-8	-8	-8"	-8	9	F.O. TO BURNERS	100	240 225	190	190	190	220			
TEMPERATURES	STEAM AT THROTTLE	450	450	660	670	770	MISCELLANEOUS	MAIN COND. SALINITY	.4	.4	.4	.4	.4	.4		
	L. P. EXHAUST	110	93	94	94	98		95	ENGINE ROOM TEMPERATURE		68	70	72	71	70	
	CONDENSATE	74	85	85	89	93		85	FIRE ROOM TEMPERATURE		68	70	72	71	70	
	CIRC. WATER IN	65	55	54	60	62		57	NOZZLES IN USE		6	16	16	16	16	
	CIRC. WATER OUT	66	65	66	70	75		70	NO. OF BURNERS IN USE	P 2	3	3	3	3	3	
	L.O. TO COOLERS	110	123	130	132	129		130	S 2	3	3	3	3	3		
	L.O. FROM COOLERS	105	103	110	112	112		110	BURNER TIP SIZE	P 53/70	53/70	63/70	53/70	53/70	53/70	
	TEMPERATURE THRUST BEARING	100	114	118	120	120		118	S 53/70	53/70	53/70	63/70	53/70	53/70	53/70	
	FORWARD H.P. ROTOR BEARING	108	120	126	126	125		126	CO ₂ % PORT BOILER			13.5	13	13.5	13	
	AFT. H.P. ROTOR BEARING	118	133	137	136	136		137	CO ₂ % STBD. BOILER			13.5	13	13.5	13	
FORWARD L.P. ROTOR BEARING	106	128	134	132	132	134	OIL LEVEL MAIN SUMP	1'	1'		1.2"	1.2	1			
AFT. L.P. ROTOR BEARING	106	126	132	130	130	133	DOUBLE BOTTOM SAL.				.4	.				

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	1	1200	440	670	9	118	108		62	1100	1100	18.807			5320	12	74
	2	1200	440	670	7	136	124		72	1021NG	240	600			5315'		
1600 TO 2000	1	1200	450	693	9	112	105		63	1300	1300	18.207			5		
												1070					
												262					
												1260					
												72					
2000 TO 2400	1	1200	440	675	9	120	111		62	1200	1250						
2400 TO 0400	1	1200	450	660	9	118	108		63	1250	1250						
0400 TO 0800	1	1200	450	670	9	115	105		62	1250	1350						
0800 TO 1200	1	1200	440	710	9	118	110		62	1200	1250						
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	4	4
SUMMARY												RUNNING TIME	1200	PROPELLER SLIP (%)	25.10		
												DETENTION TIME	✓	BBL FUEL/MI			
												TOTAL REVOLUTIONS	113.200	WIND DIRECTION	340°-30 kts		
												AVERAGE R.P.M.	94.33	STATE OF SEA	340°-8 ft		
												TOTAL MILES BY ENGINE	422	STATE OF WEATHER	Clear		
												TOTAL MILES BY OBSERVATION	316		15.8 kts	12.62°	

REMARKS

1200-1600 WATCH

PREPARING FOR SEA: #2 Boiler on line @ 1220 - Dist. Deluge @ 1240 - Main Stage opened
 Rolling Main Unit with steam @ 1315 - S.P.K. @ 1345 S.FOM 2708370 P.FOM-6015610 - TACH.
 04558050 - Manovering ship to sea, Bell as per Bell Book - Shifted flr. Load aft. @ 1320
 Split Plant Electrically -

F.O. OUTDO.
 F.W.
 MUF DB/PP
 MU-U 6.4
 EVAP
 GAL-D

Trk. Water Meter @ 1430 - 49975300 - Pumped frg. Spun Bilge

WATCH ENGR'S SIGNATURE-

M. Fox

1600-2000 WATCH

No 1 and no 2 boiler on line. Seamed Generator to 2 @ 17.0. No 1 main feed pump kicked off 1820 - Back on line @ 1830 called ch. elec. bilges pumped. Air compressor not operating right. Crossed over from aft eng room. 16 nozzle @ 1600

F.O. attnd
 F.W. PB. SP
 MUF
 MU-U
 EVAP
 GAL-D

1600-2400 - 7WT - Dues

WATCH ENGR'S SIGNATURE-

J. H. Brink

2000-2400 WATCH

Under way as before 16 NO2. Complied w/ standing night orders. Machinery as before. Seamed Eng. room Bilge. Air compressor still not operating right. Using cross-over from aft eng room.

F.O. inbd
 F.W.
 MUF DB/10
 MU-U 10.5
 EVAP sec
 GAL-D 0

WATCH ENGR'S SIGNATURE-

R. P. Adams

2400-0400 WATCH

Machinery as Before, Except; - changed to Inboard Litter @ 2400 - changed & cleaned 1st fuel oil Hot Strainer - Pumped frg. Spun Bilge -

F.O. INBD.
 F.W.
 MUF DB/15
 MU-U 5.7
 EVAP
 GAL-D SEC.

WATCH ENGR'S SIGNATURE-

M. Fox

0400-0800 WATCH

Machinery as before, 16 nozzle. Complied with standing and night orders. Pumped engine bilges. Checked steering engine. Cross-over from engine room aft air compressor. Main feed from no 1's. Added 1 gal L.O. to main feed pump P-2 pump

F.O. Inbd
 F.W.
 MUF DB/5
 MU-U 4.9
 EVAP
 GAL-D

0400-0600 - 7WT - ~~Pumped~~ 0600 - 0800 - 7WT - Puck

WATCH ENGR'S SIGNATURE-

J. H. Brink

0800-1200 WATCH

Under way as before 16 NO2. Complied w/ standing orders. Chief in Eng Rm. 0815, start Blowing Tubes 0819 sec. C 0835, Rang 2nd pumped up till 0847, 4055 No 1 feed pump 0915 Back on line 0920 Test fire alarm 0939, changed M.F.O Strainer, changed F.O. Set to P- out 00 at 1010. Air compressor is secured by Electrician.

F.O. Outbd
 F.W.
 MUF DB/5
 MU-U 4.9
 EVAP 3945
 GAL-D 200

WATCH ENGR'S SIGNATURE-

R. P. Adams

CHIEF ENGINEER

2 BOILER 1

8.76 P. ALK 8.76

12.26 T. ALK 11.68

12.43 CHLO 12.84

40 PH. 4.40

70 SO. 3.65

10.5 PH 10.5

4134 WS. HRS. 4064

1484 FS. HRS. 1544

CHIEF ENGR'S SIGNATURE-

J. H. Brink

A 6025
Dep't. 1600 Ctr = 04569320-

USNS GRN. John Pope TAP-110 VOYAGE NO. 4-A FROM NISC OAKLAND CA. TO TACOMA, WASH. TYPE OF VESSEL R2 S-2 R-2 DATE July 20-21 1966 Wed-thur

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS							MACHINERY PARTICULARS						
PRESSURES							PRESSURES						
TEMPERATURES							TEMPERATURES						
MISCELLANEOUS							MISCELLANEOUS						
F.O. CONSUMED							F.O. CONSUMED						
AVERAGE RPM							AVERAGE RPM						
TOTAL REVOLUTIONS (FOR WATCH)							TOTAL REVOLUTIONS (FOR WATCH)						
REVOLUTION COUNTER (END OF WATCH)							REVOLUTION COUNTER (END OF WATCH)						
DETENTION TIME							DETENTION TIME						
RUNNING TIME							RUNNING TIME						

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	WATER	LUBE OIL		
1200 TO 1600	1	1700	445	675	9	120	110		62	1250	1250	240	METER AT NOON	29.180	ON HAND AT START OF DAY	74	
													METER PREVIOUS NOON	01.100	EVAPORATED OR RECEIVED	74	
													CONSUMED BY METER	28.080	ON HAND	124	
													ON HAND AT START OF DAY	18.207	CONSUMED	24	
													RECEIVED DURING DAY		ON HAND AT START OF DAY	5315	
													EXPENDED DURING DAY	668	RECEIVED		
													REMAINING ON BOARD	17.539	ON HAND	5310	
1600 TO 2000	1	1200	440	680	8.5	125	115		62	1300	1350	240	ON HAND AT START OF DAY	1260	CONSUMED	5	
													EVAPORATED OR RECEIVED		ON HAND		
													ON HAND	1180	RECEIVED		
													CONSUMED	80	CONSUMED		
2000 TO 2400	1	1200	420	670	9	118	110		62	1250	1200	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)				
													#2 4hrs.		#2 4hrs.		
													L.O. CENTRIFUGE - HOURS OPERATED				
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800
													4	4	4	4	4
2400 TO 0400	1	1700	445	675	9	120	110		62	1250	1250	240	SUMMARY				
													RUNNING TIME	1440	PROPELLER SLIP (%)	22.26	
													DETENTION TIME	✓	BBL FUEL/MI	1.43-1.84	
													TOTAL REVOLUTIONS	125.230	WIND DIRECTION	L. Airs	
													AVERAGE R.P.M.	86.9	STATE OF SEA	Smooth-	
													TOTAL MILES BY ENGINE	467	STATE OF WEATHER	Clear	
0800 TO 1200	1	1200	450	680	9	118	110		62	1200	1250	240	TOTAL MILES BY OBSERVATION	363	S. 15'12	A 2 60°	

REMARKS

1200-1600 WATCH

Underway on 16 Nozzles: Machinery in operation as of Noon: B-1, B-2, G-1, H-1, MC-2, ME-6, A-1, AC-1, F.O., OUTDO.
 AE-R, D-1, D-2, P-1, P-2, F-1, F-2, W-1, L-1, S-2, LC-1, & MAIN UNIT - Changed & cleaned Top Fuel Oil
 Burners - Electrician cleaned commutator 2 aux. Dens-generator - Blow Tubes #1 & 2 Biler 752-2-5.
 1535 - Pumped fog space Bilge -

F.O. OUTDO.
 F.W. MUP 08/15
 MU-U 6.8
 EVAP 2-32
 GAL-D 2400

WATCH ENGR'S SIGNATURE -

M. Fox

1600-2000 WATCH

air compressor back on line - crossover closed cleaned and
 changed ^{bottom} fuel oil burners. Machinery in operation as before. Cleaned L.C. & Shamash
 Pumped bilges in engine room spaces. Stry @ 0705

F.O. Cutaway
 F.W. MUP 08/15
 MU-U 5.76
 EVAP 2
 GAL-D 4400

WATCH ENGR'S SIGNATURE -

J. H. Burk

7 W.T. - Diesel

2000-2400 WATCH

Underway on 16 nozzles machinery in operation as before
 changed & cleaned middle fuel oil burners. Pumped Engine Room
 Bilges, turned on 35th steam to galley -

F.O.
 F.W.
 MUP
 MU-U
 EVAP
 GAL-D

WATCH ENGR'S SIGNATURE -

R. P. Adams

2400-0400 WATCH

Machinery as before, except: - changed to Inboard Section @
 2400 - changed & cleaned Port Fuel oil Hot Strainer, Fuel oil Section
 Strainer & Upper Fuel oil Burners - #1 Biler on Cont. Blow to sink -
 Pumped fog space Bilge - Pumped bilges in engine spaces SHB

F.O. INDO
 F.W. 3 P
 MUP 08/1 P
 MU-U 5.7
 EVAP 2-7 P
 GAL-D 4300

WATCH ENGR'S SIGNATURE -

M. Fox

0400-0800 WATCH

Machinery as before, except - cleaned and changed bottom burners. cleaned
 and changed 5th discharge fuel oil strainer. Pumped bilges in engine
 spaces. Stry @ 705, 0710 Reduce speed to block by order of bridge.
 Mordung & blue again

F.O. INDO
 F.W. 3 P
 MUP 08/1 P
 MU-U 5.7
 EVAP 2-7 P
 GAL-D 4300

WATCH ENGR'S SIGNATURE -

J. H. Burk

7 W.T. - 0400-0600 Burnt, 0600-0800 Pickett

0800-1200 WATCH

Remarks - 0750 relieved watch making on 16 NOZ Machinery in operation as
 before, on standby, 0832 started to slow down and maintain speed
 00 B, 1107 when up to 10 NOZ - jumped up with 0825 -
 Blow Tubes C 0830 see C 0850, With man working on Air Group.
 air close - one from aft. log. room.

F.O. INDO
 F.W. 3 P
 MUP 08/1 P
 MU-U 11.3
 EVAP 1 P
 GAL-D 4100

WATCH ENGR'S SIGNATURE -

R. P. Adams

CHIEF ENGINEER

✓ BOILER 1

P. ALK 8.76

T. ALK 11.10

CHLO 11.60

PH. 4

SO. 3

PH

4158 WS. HRS. 4088

1510 FS. HRS. 1548

CHIEF ENGR'S SIGNATURE -

J. A. Holleran

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL													
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED	CONSUMED
1200 TO 1500	1	1200	445	700	9	120	116		62	1450	1450	240														
1500 TO 2000	1	1200	450	675	9	125	112		62	1200	1250	240														
2000 TO 2400	1	1200	410	760	9	118	110		62	1350	1300	240														
	2	1200	410	760	7	132	118		73	1450	1100	240														
2400 TO 0400	1	1200	440	670	9	118	110		62	1450	1450	240														
	2	1200	440	670	7	130	118		73	1450	1450	241														
0400 TO 0800	1	1200	440	670	9	120	118		62	1400	1325	240														
	2	1200	440	670	7	132	119		73	1400	1350	240														
0800 TO 1200	1	1200	425	710	9	115	108		62	1250	1200	240														
	2	1200	425	710	7	132	119		73	1450	1400	240														

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

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

SUMMARY

RUNNING TIME	420	PROPELLER SLIP (%)	11.3
DETENTION TIME	✓	BBL FUEL/MI	
TOTAL REVOLUTIONS	80.9	WIND DIRECTION	Calm
AVERAGE R.P.M.	35.600	STATE OF SEA	Clear
TOTAL MILES BY ENGINE	132	STATE OF WEATHER	Good
TOTAL MILES BY OBSERVATION	117	A-68-	

Arrival @ 1900 S-Chr. 4854740 T-Chr. 4847100 FOM-P-6032400 \$T FOM-272

REMARKS

1200-1600 WATCH

Underway on 16 Nozzle: Machinery in operation as of Norm: B-1, B-2, G-1, H-1, HC-2, F.O. ASD. ME-G, A-1, AC-1, AE-R, D-1, D-2, P-1, P-2, F-1, F-2, W-1, L-1, S-2, LC-1, & Main Unit. Changed to Outdoor Settles @ 1200 - Drifted fuel oil from 7th to 2nd tank Settles - Ship's Fuel Storage on Main Air Compressor - Fire Drill @ S.B.E. @ 1300, 4th @ 1326 - Belts Taken & answered S.B.E. @ 1500, 4th to Black @ 1505, 4 @ 1506, 1 @ 1507, 2 @ 1509, 1 @ 1510, 2 @ 1513, 4th & 16 Nozzle @ 1513.5 - Enough fog: Space Bilges -

WATCH ENGR'S SIGNATURE-

M. For

1600-2000 WATCH

Machinery as before except, Fwd. air compressor repairs completed. F.O. without air compressor and line - vacuum closed at 1630. Added three gallons h.o. to no. 2 generator sump. No. 2 generator idling. Stry @ 1929. Arrival E. 1900 13 kts per Bell Book - Bilges pumped in machinery spaces.

WATCH ENGR'S SIGNATURE-

S. H. Bush

2000-2400 WATCH

Machinery as before: Bilges per Bell Book @ 1950 - put load on No. 2 generator @ 2045 - F.W.E. @ 2103 - see main steam stopper, engaged jacking gear - see added Bilge @ 2115, changed to double unit @ 2120 - 1st 1001 - 6032890 5th 1001 - 2724860 S-CTR 4858550 filled double bottom of 2300 T-CTR 04851794

WATCH ENGR'S SIGNATURE-

R. P. Adams

2400-0400 WATCH

Fr Machinery as Before: - Maintaining Vacuum on main unit - changed & cleaned Port fuel oil hot & suction strainers - Made Frigate & Routine Inspection of all machinery space - Bilges @ Safe Level -

WATCH ENGR'S SIGNATURE-

M. For

0400-0800 WATCH

oilier-Manning: SPT-Bankbridge: Plot-Enter: Refr - Machinery as before: Maintaining vacuum on main unit jacking gear in, cleaned fuel oil hot & suction strainers. Added five gallons h.o. to no. 2 generator sump. h.o. float no. 2 generator inoperative. E.R. Bilges pump Fwd and aft. B-4 boiler purger cock opened.

WATCH ENGR'S SIGNATURE-

J. H. Bush

0800-1200 WATCH

oilier - Sargent. 757 Wanner Machinery as before: vacuum on main unit jacking gear engaged B-1 B-2 carrying load. cleaned R.P.C. strainer - Bilges @ safe level - fire Drill @ 0927 Standby @ 0928 - V.C.G. tested Relief valve on fire pump - see fire Drill @ 0944 - abandon ship Drill @ 0947 see @ 1000 tested S.B.O. Boiler @ 1132

WATCH ENGR'S SIGNATURE-

R. P. Adams

CHIEF ENGINEER

BOILER

P. ALK

T. ALK

CHLO

PH. 4

SO. 3

PH

4182 WS. HRS. 4097

1534 FS. HRS. 1557

CHIEF ENGR'S SIGNATURE-

J. H. Bush

P.FOM 6032890
S.FOM 2724860

A 6025

4470

FWE @ 2103 Sh-ctr 4858550 T-ctr 04851794