#2

ENGINE ROOM LOG

GEARED TURBINE DRIVE

USNS Gen John Pope

FROM 6 June 1966 TO 30 June 1966

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

INSTRUCTIONS

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

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

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

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

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

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

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

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

(e) Pumping of bilges.

(f) Blowing of tubes.

(g) Examining holding down bolts.

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

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

(j) Record of special tests ordered made.

(k) Defects in supplies received.

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

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

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

CHIEF ENGINEER

1ST ENGINEER

2ND ENGINEER (DW)

3RD ENGINEER

JR ENGR

OILER - FIREMAN

MAIN UNIT TURBINE
MAIN GENERATORS, ETC.(MECHANICAL)
MAIN THROTTLE & GUAGE BOARD
TURNING GEAR
L.O. PURIFIER
MAIN LUBE OIL PUMPS
MAIN LUBE OIL STRAINERS & SYSTEM
LUBE OIL STORAGE & GRAVITY TANKS
LUBE OIL ALARMS & GOVERNORS
MAIN CONDENSATE PUMPS & PIPING
MAIN CIRC. PUMP
MAIN CONDENSER
MAIN AIR EJECTOR
ATMOS. DRAIN TANK PUMP & SYSTEM
OIL & WATER SEPARATOR
DE-BALLASTING PUMPS & SYSTEM
MAIN BEARINGS THRUST BEARINGS
SPRING BEARINGS
LOW PRESSURE STEAM SYSTEM, VALVES
REDUCING STATIONS, ETC. (BELOW 160#)
DRAIN TRAPS

2ND ENGINEER

JR ENGR

OILER - FIREMAN

BOILERS NO. 1 & NO. 2
MAIN FEED PUMPS
FUEL OIL SERVICE PUMPS
FUEL OIL TRANSFER PUMPS
FUEL OIL HEATERS
SOOT BLOWERS
COMBUSTION CONTROL BOARD
COMBUSTION CONTROL AIR COMPRESSOR
CHEMICAL TESTING EQUIPMENT
D. C. HEATERS
FEED WATER TRANSFER PUMP
FORCED DRAFT BLOWERS
FUEL OIL SYSTEM
FUEL OIL TRANSFER PUMP
REMOTE WATER LEVEL INDICATORS
DIESEL OIL PUMP
HIGH PRESS. STEAM REDUCING VALVES
DRAIN TRAPS VALVES, ETC. (ABOVE 160#)

3RD ENGINEER

JR ENGR

OILER - FIREMAN

AUX. GENERATORS
AUX. CIRC PUMPS
AUX. CONDENSERS
AUX. COND. PUMPS
AUX. CONDENSATE SYSTEM
POTABLE WATER SYSTEM
FRESH WATER PUMPS
HOT WATER SYSTEM
FIRE PUMPS
SANITARY SYSTEM
MAIN AIR COMPRESSOR & SYSTEM
REFRIG. CIRC. PUMP
BILGE & BALLAST SYSTEM
VACUUM PRIMING PUMP
FIRE FIGHTING EQUIPMENT
CONTAMINATED DRAIN SYSTEM
SALT WATER PIPING
SUBMERSIBLE BILGE PUMP
EXHAUST SYSTEM

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen Pope TAP-110	3A	San Francisco	Vietnam	P2	6-6-66

	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	WATCH					
RUNNING TIME		3 hr	260		260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)		0002 1648	42980	65970	88513	105340
TOTAL REVOLUTIONS (FOR WATCH)	0000 5450	26180	21650	22990	21543	17837
AVERAGE RPM		824	82	88.4	82.8	74.5
F.O. METER (END OF WATCH)	P 24150 S 67320	[illegible]	69430 26390	70810 27720	72150 28940	73300 29875
F.O. CONSUMED	24130 62340	840 1050	2490	2710	2560	2085
MACHINERY PARTICULARS — PRESSURES: THROTTLE		440	440	435	435	410
H.P. AHEAD	310	440	440	435	435	320
L.P. AHEAD	3	16	19	19	18	10
VACUUM	28.5	29 1/4	29.5	28.5	28.5	29.5
L.O. TO TURBINES	13		14	14	14	14
AUX. STEAM	130	140	155	150	154	125
BACK PRESSURE	10	9	10	10	9	9
GLAND STEAM	2	0	1.5	1	1.2	1.5
H.P. BLEEDER			80	80		
I.P. BLEEDER			7	7		
L.P. BLEEDER			18	14		
MACHINERY PARTICULARS — TEMPERATURES: STEAM AT THROTTLE	440	540	530	470	500	500
L.P. EXHAUST			96	96	96	
CONDENSATE			86	78	78	
CIRC. WATER IN			55	52	52	
CIRC. WATER OUT			68	68	68	
L.O. TO COOLERS	132	132	135	124	124	
L.O. FROM COOLERS	110	110	110	110	110	
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING			122	122	122	

	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	WATCH					
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D): AFT. H.P. ROTOR BEARING			128	140	140	
FORWARD L.P. ROTOR BEARING			130	128	128	
AFT. L.P. ROTOR BEARING			126	128	128	
HOTTEST GEAR BEARING FORWARD			138	136	136	
HOTTEST GEAR BEARING AFT			140	140	140	
AUX. COND. CONDENSATE	110	136	86			
1ST STAGE FEED WATER HEATER		160	166	160	160	
D. C. FEED WATER HEATER	238	230	236	238	240	
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES: F.O. TO BURNERS		160	180	180	180	190
F. O. BACK PRESSURE		300				
AIR TO FURNACE			106	100	100	100
UPTAKE			300/315			
MAIN STEAM	480	510	530	480	480	490
SUPER HEAT			510/515	480		480
BOILER PARTICULARS — PRESSURES: F.O. TO BURNERS		140	200	180	160	190
F.O. TEMP. IN SETTLING TANKS		120	100	100	100	110
PORT BOILER UPTAKE		8	9	6		6
STBD. BOILER UPTAKE		8	7	6		5 1/2
MISCELLANEOUS: ENGINE ROOM TEMPERATURE		77			81	80
FIRE ROOM TEMPERATURE		77		77	81	80
NOZZLES IN USE		4	16	16	16	16
NO. OF BURNERS IN USE		4	6	5	5	5
BURNER TIP SIZE		9100 26-5				91P RLS
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP			NORM.	NORM		NORM.

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	4	1200	460	480	10	134	110		51	1000	1300	240
1600 TO 2000	#1	1200	440	510	50	126	110		63	1000	1000	240
	#4	1200	440	510	62	130	110		51	1200	1200	240
2000 TO 2400	3	1200	440	510	8	132	110		64	1200	1200	240
	4	1200	440	510	10	134	122		50	1800	1800	240
2400 TO 0400	4	1200	465	480	10	134	123		50	1300	1300	240
	4	1200	440	480	10	132	115		50	1400	1400	240
	4											
0400 TO 0800	4	1200	440	500	10	131	112		50	1300	1300	240
0800 TO												

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
3	2 hrs	3 2/3	4	4	

SUMMARY

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

REMARKS

1200-1600 WATCH
Machinery in operation as follows - #3 & 4 Boilers, Feed Pumps, 3 Main Cond. Pump, Aux Cond Pump, Main & Aux Circ Pump & Main & Aux. Air Ejectors, LO Service Pump, #4 FW & SW Pumps LO Purifier Sump to Sump.

WATCH ENGR'S SIGNATURE- William W. Leggett

1600-2000 WATCH
LO PURIFIER OFF 1800. #1 + #4 GENS ON. REST AS ABOVE.
LOST #4 GEN DUE TO OVERLOAD. FROM FORWD ENG ROOM.

WATCH ENGR'S SIGNATURE- H. Beazley.

2000-2400 WATCH
Routine Watch
Complied W/Dept orders
Retarded Clock 20 min @ 2255
STBY @ 2301; ~~FW~~ @ 2330!

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
Routine Watch
BOILERS ON AUTOMATIC
RETERDED CLOCK 20 MIN AT 0100

STANDBY 0422 ON MAIN ENGINE 4 @ 0350 (3 am)
WATCH ENGR'S SIGNATURE- William W. Leggett

0400-0800 WATCH
OFF STANDBY 0355. SECURED AUX AIR EJECTOR, AUX CONDESATE PUMP, AUX CIR. PUMP, ALL UNITS ON MAIN #3 AUX GEN-(STANDBY) OFF 2000

WATCH ENGR'S SIGNATURE- H. Beazley.

0800-1200 WATCH
FIRE + BOAT DRILL ~~22~~ 1020 to ~~22~~ 1040, AUX CON., AIR EJECTOR + CONDSATE PUMP ON 2230. MAIN THROTLE CONTROL CLOSING - REDUCED RPM, TILL REPAIRED
STAND BY 1015 to 1044.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- for C. Halloran

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. POPE	3 A	San Francisco	Viet Nam	AP-110	6/7/66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME 113	~~164~~	260	260	260	260	240
DETENTION TIME 127	~~76~~	27 M.				
REVOLUTION COUNTER (END OF WATCH)	120180	408779	64080	87360	210400	231580
TOTAL REVOLUTIONS (FOR WATCH)	61.8	20690	23110	23280	23040	21180
AVERAGE RPM		86.	88.9	89.5	88.6	89.2
F.O. METER (END OF WATCH) P / S	73970 / 30480	75120 / 31590	76420 / 33760	77800 / 34060	79190 / 35230	248047 / 644,430
F.O. CONSUMED	?	2260	2970	2710	2560	2480
MACHINERY PARTICULARS — PRESSURES: THROTTLE		430	425	435	435	430
H.P. AHEAD		430	425	435	435	430
L.P. AHEAD		16	15	16	15	14.5
VACUUM	25	29.8	29.8	29.8	29.8"	27.8
L.O. TO TURBINES	14		14	14	14	14
AUX. STEAM	130	155	135	140	140	135
BACK PRESSURE	10	9	10	10	10	9
GLAND STEAM	2	.9	0.0	0	—	.7
H.P. BLEEDER				80	80	80
I.P. BLEEDER			7	7	7	7
L.P. BLEEDER			15	16	16	16
TEMPERATURES: STEAM AT THROTTLE		430		480	480	—
L.P. EXHAUST	118	94	92	92	93	96
CONDENSATE	87	85	88	89	90	90
CIRC. WATER IN	60	64	60	60	60	62
CIRC. WATER OUT	74	75	70	74	74	76
L.O. TO COOLERS	124	122	120	124	124	125
L.O. FROM COOLERS	110	112	104	110	110	110
TEMPERATURE THRUST BEARING			110	115	114	113
FORWARD H.P. ROTOR BEARING			142	121	121	123

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D): AFT. H.P. ROTOR BEARING			120	123	123	128
FORWARD L.P. ROTOR BEARING			125	130	130	130
AFT. L.P. ROTOR BEARING			120	126	126	128
HOTTEST GEAR BEARING FORWARD			132	106	106	137
HOTTEST GEAR BEARING AFT			130	112	112	144
AUX. COND. CONDENSATE		122	88	130	128	134
1ST STAGE FEED WATER HEATER	120	130	170	165	165	166
D. C. FEED WATER HEATER	233	240	240	237	236	237
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES: F.O. TO BURNERS	170	180	170	185	185	
F. O. BACK PRESSURE	150			300		
AIR TO FURNACE	100	100	108	105	110	
UPTAKE		310	310	310	315	
MAIN STEAM	420	450		480	486	
SUPER HEAT	465		~~480~~	465	460	
PRESSURES: F.O. TO BURNERS	70	170		180	180	
F.O. TEMP. IN SETTLING TANKS		110	114	110	110	100
PORT BOILER UPTAKE		3	2		6	2.80
STBD. BOILER UPTAKE		5	4		12	2.67
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	80	80		81	81	86
FIRE ROOM TEMPERATURE						
NOZZLES IN USE		5	5	16	16	16
NO. OF BURNERS IN USE	4	5	5	5	5	5
BURNER TIP SIZE	53/70	91/26	53/70	53/70	91/26	91/26
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	NORM	NORM	N	✓	✓	N

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	4	1200	440	420	11	134	123		50	1000	1000	240
1600 TO 2000	4	1200	440	480	11	135	123		50	1150	1150	240
2000 TO 2400	4	1200	425		10	133	120		51	1150	1150	240
2400 TO 0400	4	1200	435	480	10	135	122		50	1600	1600	240
0400 TO 0800	4	1200	435		10	135	125		50	1400	1400	240
0800 TO 1200	4	1200	430		9.8	135	123		50	1350	—	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	2	3 2/3	4 1/3	4 1/3	

SUMMARY

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

REMARKS

1200-1600 WATCH

~~76 MIN SEA DETENTION ON 0547 OFF STANDBY~~
#3 & 4 BOILERS IN OPERATION WITH NECESSARY MACHINERY IN OPERATION, #4 AUX. GEN. ON LINE, SECURED MN. UNIT FOR APPROX. 2 HRS TO MAKE MINOR REPAIR ON THROTTLE. 4H @ 1544.

1544-16 N022

WATCH ENGR'S SIGNATURE- William N. Leggett

1600-2000 WATCH
BLEW FLUES. 1630 : LOW AHEAD 1823; FULL AHEAD 1835; FULL RPM 1850
REMOVED UNION + PLUGED MAIN THROTTLE VALVE. CLEANED LO. CENT. FUGE 1730 TO 1930

WATCH ENGR'S SIGNATURE- H. Beazley.

2000-2400 WATCH
MACHINERY AS before:
Routine Watch;
Retarded Clock 20 min @ 2254:

WATCH ENGR'S SIGNATURE- C W Frey

2400-0400 WATCH Routine Watch
RETARDED CLOCK 20 MIN AT 0100.

WATCH ENGR'S SIGNATURE- William N. Leggett

0400-0800 WATCH
CLEANED FUEL OIL SUC. STRAINERS. ROUTINE WATCH.
CLOCK RETARDED 20 MIN @ 0500

WATCH ENGR'S SIGNATURE- H. Beazley

0800-1200 WATCH MACHINERY AS BEFORE - COMPLYING W/NIGHT + STANDING ORDERS.
H3 2nd BLEW FLUES 0815. CLEANED + CHANGED DESIGNATED F.O. BURNERS + STRAINERS.
MN. COND. DISCHARGE TESTS - .05 GR. BLOW DOWN EVAP IN OPERATION 10 30.
NORMAL WATCH.

WATCH ENGR'S SIGNATURE- Al Kaber

CHIEF ENGINEER

3 BOILER 4

1.2 P.ALK 1.8
1.4 T.ALK 1.2
8.2 CHLO 8.2
20 PH. 4 10
2.2 SC. 3 1.8
PH
WS. HRS. 65
FS. HRS. 65

CHIEF ENGR'S SIGNATURE- J. C. Halloran

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen J. Pope	3 A	San Francisco	Viet Nam		7-8 June 66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	251 850	274 500	95200	317 230	338 840	359 790
TOTAL REVOLUTIONS (FOR WATCH)	21050	21870	20700	22030	21610	20950
AVERAGE RPM	87.7	87.6	86.3	91.8	90	87.2
F.O. METER (END OF WATCH) P / S	P 81770 / S 37590	83090 / 38760	84390 / 39860	85690 / 40960	87060 / 42110	248844 / 443440
F.O. CONSUMED	2460	[illegible]	2400	2400	2520	2710
MACHINERY PARTICULARS – PRESSURES: THROTTLE	440	440	440	435	440	440
H.P. AHEAD	435	435	435	435	435	420
L.P. AHEAD	16	20	20.5	21	20	20
VACUUM	28.5	29.7	29.5	29.5	29.5	29.5
L.O. TO TURBINES	14	14	14	14	14	14
AUX. STEAM	140	130	135	130	135	125
BACK PRESSURE	10	10	10	10	10	9.5
GLAND STEAM	1.0	1.5	1.5	1.5	1.7	1.2
H.P. BLEEDER	75	80	80	80	80	80
I.P. BLEEDER	7	6.5	7	7	7	7
L.P. BLEEDER	15	12	12	14	14	14
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	540	520		520	520	520
L.P. EXHAUST	96	96	100	99	98	100
CONDENSATE	92	93	96	97	96	97
CIRC. WATER IN	63	62	64	67	66	65
CIRC. WATER OUT	77	76	80	82	84	82
L.O. TO COOLERS	125	125	124	126	124	124
L.O. FROM COOLERS	110	110	108	110	110	108
TEMPERATURE THRUST BEARING	114	112	112	112	112	110
FORWARD H.P. ROTOR BEARING	123	124	124	124	126	124

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	124	124	126	126	130	128
FORWARD L. P. ROTOR BEARING	128	130	130	128	128	131
AFT. L.P. ROTOR BEARING	128	130	126	127	128	125
HOTTEST GEAR BEARING FORWARD	138	136	137	140	140	141
HOTTEST GEAR BEARING AFT	142	142	142	130	130	132
AUX. COND. CONDENSATE		130	96	~~130~~	130	135
1ST STAGE FEED WATER HEATER	167	164	170	175	175	169
D. C. FEED WATER HEATER	238	234	238	238	240	234
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	180	180	180	190	180	180
F. O. BACK PRESSURE						
AIR TO FURNACE	115	110	112	112	111	~~280~~ 285
UPTAKE			280	280	280	
MAIN STEAM	540	530		530	530	
BOILER PARTICULARS – PRESSURES: SUPER HEAT	465	460		465	460	530
F.O. TO BURNERS	180	180	185	185	190	
F.O. TEMP. IN SETTLING TANKS	P 180	100	104	100	115	P 110
PORT BOILER UPTAKE						~~280~~ 5.8
STBD. BOILER UPTAKE						~~295~~ 6.4
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	86	86	86	87	88	88
FIRE ROOM TEMPERATURE						
NOZZLES IN USE	16	16	16	16	16	16
NO. OF BURNERS IN USE	~~33/70~~ 5	5	3 2	P 3 S 2	5	5
BURNER TIP SIZE	53/70	53/70 41/54	53/70 41/54	53/70 41/54	53/70 41/45	
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	NORM	NORM	N	N	NORM	N

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	#4	1200	440	540	9	135	125		50	1250	1250	240
1600 TO 2000	#4	1200	440	520	10	135	125		50	1250	1250	240
2000 TO 2400	1											
	4	1200	440		10	135	125		50	1260	1260	240
2400 TO 0400												
	4	1200	440		10	135	125		50	1300	1300	240
0400 TO 0800	4	1200	440		10	135	125		50	1350	1350	240
0800 TO	4	1200	440		9.7	136	126		50	1350	—	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	3	4	4	3½	

SUMMARY

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

REMARKS

1200-1600 WATCH Underway on 16 Nozz. with #3 & 4 Boilers, Forsed Draft Blowers, #3 & 4 Main Fd. Pumps Mn. & Aux Cond. Pumps, Mn. Circ., Mn. & Aux Air Ejectors, #3 & 4 F.O. Pumps, LO S/Pump, #2 SW & FW Pumps, #4 Aux Gen. on Line, M.U. Evap. on #4 Boiler Blow, LO Purifier Sump To Sump
Routine Underway Watch

WATCH ENGR'S SIGNATURE- William W. Leggett

1600-2000 WATCH Blew Flues 1615 Cleaned Fuel oil suction strainers
Aux steam reducing valve bad. Holding with back pressure on aux exhaust
Cleaned oil purifier. Blowed down MU Evap. -
Watch routine.

Added 6oz M-15 - 6oz ADJ-B - 1oz sulfite to each (#3 + #4 Boilers)

WATCH ENGR'S SIGNATURE- H. Beezley

2000-2400 WATCH Underway as before:
Blew Down M.U. Evap Twice; # Boiler on Constant Blow:
Conducted Casuality Drill E-1 Low Water in Boiler and Loss of Feed Water Pressure Bridge informed 2200-2220:
CH/ENGR in AFT ER. SPACES 2045-2130:
Carried out daily Tests & Inspections & Dept Standing Orders As Well as Watch routine duties:

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH Underway as before. Held Casualty Drill #E-1 For Watch. (Bridge Notified.
Carried out Night and Standing orders.
Cond. Tested 0.41 GPG
Changed To InBd Settler @ 0245

WATCH ENGR'S SIGNATURE- William W. Leggett

0400-0800 WATCH Fuel oil suc. strainers cleaned. 0500 secured & blow down cont. blow evap. 0600 port boiler on cont. blow down evap.
0625 standby steam feed pump on port boiler. Cleaned oil purifier
Secured stand by feed pump 0745 - secured blow down evap 0745
Watch routine.

Added 4oz. M15, 1oz. sulfite to port boiler

WATCH ENGR'S SIGNATURE- Henry Beezley.

0800-1200 WATCH Mach. same as before. 0800 Blew tubes Nos 3 & 4 Boilers w/Bridge permission.
0845 Sec. Blowing Tubes - Put Stdby Feed Pump on Port Boiler Idling. Cond. Discharge Test Minus .05Gr.
Complying w/Night + Standing Orders; Cleaned + changed designated F.O. burners + strainers.
Ch. Eng. in Aft Eng. Room @ 10^{20}; Ch. Eng. out 11^{05}

WATCH ENGR'S SIGNATURE- Al Koben

CHIEF ENGINEER

	6/8		6/9		FEED W.
BOILER ~~6/8~~	3-S	4P	#3 S	#4 P	
P.ALK	1.2	.8	.6	1.8	.2
T.ALK	1.4	1.2	.9	2.2	.6
~~CHLO~~	8.2	8.2	2.07	4.14	
PH. 4	20	10	10	10	.52
SO. 3	22	19	19	22	
PH	10	10	10	10	
~~WS.~~ HRS.					
~~FS.~~ HRS.					

CHIEF ENGR'S SIGNATURE- [illegible]

8-9 June

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. Pope TAP-110		NSC OAKLAND		P2	6-9-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
~~DETENTION TIME~~ PFOM.		91210	492770	494 200	495 530	496 800
REVOLUTION COUNTER (END OF WATCH)	881410	420 590		449 800	473 630	482 230
TOTAL REVOLUTIONS (FOR WATCH)	21620	21190		22690	23830	21770
AVERAGE RPM	90.1	88.3		87.3	91.7	90.7
F.O. METER (END OF WATCH)	89870 44760	46120	446120	44960	450 800	452 230
F.O. CONSUMED	2750	2700	3260	2900	2870	2700
MACHINERY PARTICULARS — PRESSURES: THROTTLE	435	435	430	430	430	430
H.P. AHEAD	435	350	430	430	430	430
L.P. AHEAD	21	12	19	19	19	20
VACUUM	29.5	29.5	29.5	28.5	29.5	29.5
L.O. TO TURBINES	14	14	14	14	14	14
AUX. STEAM	130	135	135	135	135	125
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.5	.3	0	0	0	0
H.P. BLEEDER	80	75	82	75	80	80
I.P. BLEEDER	7	6	6	6	7	7
L.P. BLEEDER	14	12	14	14	13	13
MACHINERY PARTICULARS — TEMPERATURES: STEAM AT THROTTLE	530	540		540	550	550
L.P. EXHAUST	100	100.	100	100	99	102
CONDENSATE	98	98	100	98	97	101
CIRC. WATER IN	66	66	67	68	64	68
CIRC. WATER OUT	82	81	83	82	82	86
L.O. TO COOLERS	126	122	125	124	124	126
L.O. FROM COOLERS	110	110	108	110	103	110
TEMPERATURE THRUST BEARING	110	110	110	110	109	112
FORWARD H.P. ROTOR BEARING	128	125	125	124	120	125

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	128	128	128	127	132	134
FORWARD L. P. ROTOR BEARING	134	131	133	130	126	130
AFT. L.P. ROTOR BEARING	126	129	126	128	122	128
HOTTEST GEAR BEARING FORWARD	140	142	144	144	142	142
HOTTEST GEAR BEARING AFT	132	135	135	134	132	134
AUX. COND. CONDENSATE		136	138		132	134
1ST STAGE FEED WATER HEATER	170	170	170	170	173	172
D. C. FEED WATER HEATER	238	230	235	236	239	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES: F.O. TO BURNERS	185	180	180	185	180	180
F. O. BACK PRESSURE						
AIR TO FURNACE	115	115	116	116	115	118
UPTAKE	300 / 290	290	290 / 290	289 / 300	295 / 290	
MAIN STEAM	530	540		540	550	550
BOILER PARTICULARS — PRESSURES: SUPER HEAT	465	460	445	465	460	
F.O. TO BURNERS	P. 210 S. 110	200 160	175 / 125	155 / 125	150 / 140	100 / 115
F.O. TEMP. IN SETTLING TANKS	110	110	110	100	110	106
PORT BOILER UPTAKE	~~300~~	310	7	6	6	
STBD. BOILER UPTAKE	~~290~~	290	9	7	7	
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	91	90	90	90	88	90
FIRE ROOM TEMPERATURE						
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	P. 53/70 S. 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/53	53/70 51/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	N	N	N		N	N

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	4	1200	435	530	9.7	138	125		50	1100	1100	240
	4	1200	435	530	10	137	125		50	1350	1350	240
1600 TO 2000												
2000 TO 2400	4	1200	435		9.7	138	126		50	1350	1350	240
2400 TO 0400	4	1200	430	530	9.9	136	126		50	1300	1300	240
0400 TO 0800	4	1200	435	530	10	136	125		50	1350	1350	240
[illegible]	[illegible]	[illegible]	435	530	8	133	110		62	1300	1300	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

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

REMARKS

1200-1600 WATCH
Underway with #3 & 4 Boilers, #3 & 4 Mn. Fd. Pumps, #3 & 4 FO S/Pumps, Mn. & Aux. Cond. Pumps, Mn. & Aux. Circ, #2 FW & SW Pumps, Mn. & Aux Air Ejectors, #2 Air Comp & L.O S/Pumps, and #4 Aux. Gen. on Line. Purifier Sump to Sump. Changed to Outbd Settler @ 1315
Increased Speed to 18 Nozz @ 1324 B/O of Chief/Eng. Bridge Informed
1430 Paralleled #4 Gen. with #1 & 2 — Stdby Fd. Pump on Line with #4 Mn. Fd Pump.
Mn. Cond. Test 0.41 GPG

WATCH ENGR'S SIGNATURE- William M. Leggett

1600-2000 WATCH
CLEANED FUEL OIL SUC. STRAINERS. PORT BOILER SMOKING BOTTOM VENT FIRE SIDE. CHANGED ALL BURNERS CONDITION THE SAME. THE DRIP PAN AND LOWER BURNE AREA ON FIRE @ 1853 FIRE OUT @ 1857 1ST ASST + BRIDGE NOTIFIED. BOILER CUT OUT. SLOW AHEAD @ 1900 P. BOILER ON THE LINE @ 1915 1920 FULL AHEAD
STAB SPRING BEARINGS 2-4-6-8 + P-2-4. #4P + #8S WARMEST
CHIEF ENG. O'HALLORAN - ENG ROOM

WATCH ENGR'S SIGNATURE- H. Beezley.

2000-2400 WATCH
REMARKS AS ABOVE EXCEPT INCREASED SPEED TO 18 NOZ FULL THROTTLE @ 2150
CH/ENGR Retired from E.R. @ 2150: Retarded clocks at 2247. Slight tracings of F.O. dripping from #4 Boiler Windbox. Regular routine watch duty tests + insps. carried out. Complied with dept. orders. Found water in drip can from #8 stbd. spring bearing.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
Underway as before except Secured Stdby Fd Pump. Port Wind Box STILL HAS INDICATION OF F.O.
0143 - Bridge Reported Smoke from Mn. Dining Salon - FWD E/R Notified imediately.
0205 - Forced Draft Blower and FO S/Pump cut out. Reduce Speed to 70 RPM
Telegraph on Stdby. Called Chief/Elect. To check out Circuit. ~~4~~ @ 0214
Retarded Clock 20 Min.

WATCH ENGR'S SIGNATURE- William M. Leggett

0400-0800 WATCH
RETARDED CLOCK 20 MIN @ 0500. CLEANED FUEL OIL SUC. STRAINERS
CLEANED BILDGE PUMP SUC STRAINER. PACKING GLANDS ON STAB. FEED WATER PUMP LEAKING - OIL CONSUMTION RISING SLOWLY. VERY LITTLE TO TAKE UP WITH.
ROUTINE WATCH.

WATCH ENGR'S SIGNATURE- H. Beezley.

0800-1200 WATCH
Mach. same as before except: Raised vaccum + brought #3 Gen. up to speed at 0800. switched Elec. Load from #4 Gen. to #3 Gen. @ 0820. Secured #4 Gen. @ 0830. Jr. Eng. reported for sick call 0855-0930
Tested Fire Bell @ 0907 Cross connected Plant @ 0930.

WATCH ENGR'S SIGNATURE- R. Soggerman

CHIEF ENGINEER

3 BOILER 4

~~5.84~~ ~~P.ALK~~ ~~8.76~~
~~7.0~~ T.ALK 10.51
~~2.49~~ CHLO 3.31
~~10~~ PH. 4 10
~~24~~ SO. 3 31
~~11~~ PH 10.5
WS. HRS.
FS. HRS.

.52 FW. .41
PH -8.3

CHIEF ENGR'S SIGNATURE- J. O'Halloran

Fri-Sat

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen Page	3 A	San Francisco	Vietnam		10-11 June 66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME	498 120 ~~132~~	499 520	501 140	502 610	504 620	505 440
REVOLUTION COUNTER (END OF WATCH)	517 200	538 560	563 060	587 040	610 900	632 800
TOTAL REVOLUTIONS (FOR WATCH)	~~517 200~~	21360	24500	23980	23860	21900
AVERAGE RPM	90.8	89	94.2	92.2	91.8	91.2
F.O. METER (END OF WATCH)	453 590	454 710	456 090	457 500	458 800	460 200
F.O. CONSUMED	2680	2520	3000	2880	2710	2820
MACHINERY PARTICULARS – PRESSURES – THROTTLE	430	430	430	430	430	430
H.P. AHEAD	430	430	430	430	430	430
L.P. AHEAD	20	20	20	21	20	20
VACUUM	28.8	29.5	29.5	28.8	29.5	29.5
L.O. TO TURBINES	14	14	14	14	14	14
AUX. STEAM	130	130	130	130	130	135
BACK PRESSURE	10	9.5	9.5	10	10	9.5
GLAND STEAM	.5		.5	.3	.5	.5
H.P. BLEEDER	70	70	80	80	80	80
I.P. BLEEDER	7	7	7	7	7	7
L.P. BLEEDER	14	9	13	14	12	13
TEMPERATURES – STEAM AT THROTTLE	550		520	550	520	740
L.P. EXHAUST	102	100	102	101	101	100
CONDENSATE	99	100	102	100	100	101
CIRC. WATER IN	68	68	68	68	66	68
CIRC. WATER OUT	85	83 ~~124~~	86	84	83	84
L.O. TO COOLERS	127	124	127	124	126	126
L.O. FROM COOLERS	111	110	110	109	108	110
TEMPERATURE THRUST BEARING	112	115	112	110	112	112
FORWARD H.P. ROTOR BEARING	125	125	125	124	122	129

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING	129	130	130	128	126	128
FORWARD L. P. ROTOR BEARING	132	130	130	128	130	130
AFT. L.P. ROTOR BEARING	128	126	128	128	129	129
HOTTEST GEAR BEARING FORWARD	144	142	140	143	137	132
HOTTEST GEAR BEARING AFT	135	134	135	136	134	138
AUX. COND. CONDENSATE		98	96		96	97
1ST STAGE FEED WATER HEATER	170	170	172	170	172	172
D. C. FEED WATER HEATER	240	238	238	239	239	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	185	185	~~185~~	185	180	180
F. O. BACK PRESSURE						
AIR TO FURNACE	120L		116	118	117	115
UPTAKE	290/275	285/290	290/290	290/285	285/280	290/290
MAIN STEAM	550	540	520	550	530	740
PRESSURES – SUPER HEAT	465			465	460	4
F.O. TO BURNERS	170/100	180/180	180/95	162/110	110/160	170/105
F.O. TEMP. IN SETTLING TANKS	108	110	90	90	110	100
PORT BOILER UPTAKE		5			6	
STBD. BOILER UPTAKE		3			6	
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	90	88	90	90	87	88
FIRE ROOM TEMPERATURE						
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 ~~51~~/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	N	N	N	N	N	N

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	3	1200	430	550	9	132	115		62	1250	1250	230
1600 TO 2000	3	1200	430	540	9	133	115		62	1150	1150	240
2000 TO 2400	3	1200	430	520	8	133	110		62	1100	1100	240
2400 TO 0400	3	1200	430	550	9	132	115		62	1100	1100	240
0400 TO 0800	3	1260	430	520	9	133	114		62	1150	1150	240
0800 TO 1200	3	1090	430	720	8.5	132	110		62	1250	1260	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

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

REMARKS

1200-1600 WATCH
Underway on 18 Nozzles. MACHINERY IN OPERATION AS FOLLOWS.- #3 & 4 BOILERS, MN FD PUMPS, #3 & 4 FO S/PUMPS, LO S/PUMP, #3 MN. COND PUMP, MN CIRC, MN. AIR EJECTOR, #3 AUX. GEN., #2 FW & SW PUMPS ON LINE. LO PURIFIER SUMP TO SUMP - ~~#2~~ #2 AIR COMP ON LINE. 1305 LOST FO SUCTION RANG BRIDGE STDBY CHANGED TO OUTBD SETTLER. ~~4~~ @ 1311

FIRED COLISION @ 1515 - 1543

WATCH ENGR'S SIGNATURE- William W. Leggett

1600-2000 WATCH
Underway on 18 Nozzles ALL MACHINERY AS BEFORE. CLEANED FUEL OIL SUC. STRAINERS. ROUTINE WATCH.

WATCH ENGR'S SIGNATURE- Henry Beazley

2000-2400 WATCH
Underway on 18 Nozzles Mach. as before. Retarded clocks @ 2249 - 20 minutes. Changed to inboard settler @ 2300

WATCH ENGR'S SIGNATURE- R. Seggerman

2400-0400 WATCH
UNDERWAY ON 18 NOZZ. MACHINERY AS BEFORE. RETARDED CLOCKS 20 MIN.

WATCH ENGR'S SIGNATURE- William W. Leggett

0400-0800 WATCH
UNDERWAY ON 18 NOZZLES. MACH. AS BEFORE. CLOCKS RETARDED 20 MIN. ROUTINE WATCH.

CHIEF ENG. MR O'HALLORAN - ENG. ROOM. 0705 - 0715 WATCH ENGR'S SIGNATURE- Henry Beazley

0800-1200 WATCH
Underway on 18 nozz. Mach. as before Blew tubes 0800-0815 Port Forced Draft Blower cut out at 1110. 1st Assit. Eng. in Engine Rm. Slowed to 70 R.P.M. Restarted Blower ~~11~~ @ 1120 Changed to outboard settler @ 1130

Chief Eng. in Engine Rm. 0930 - 0940 WATCH ENGR'S SIGNATURE- R. Seggerman
CHIEF ENGINEER

#3 BOILER

4.67 P. ALK 8.76
6.43 T. ALK 12.26
2.49 CHLO 3.31
8. PH. 4 20
22. SO. 3 54
11. PH 10
WS. HRS.
PS. HRS.
41 FW .41

CHIEF ENGR'S SIGNATURE- Jas O'Halloran

Sat-Sun

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen Page	3 A	San Francisco	Viet nam	P-2-G	11-12 June 66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME	506 810					
REVOLUTION COUNTER (END OF WATCH)	654 750	677 000	699 080	721 180	743 260	765 270
TOTAL REVOLUTIONS (FOR WATCH)	21950	22250	22080	22100	22080	22070
AVERAGE RPM	91.5	92.7	92.0	92.0	91.8	92.0
F.O. METER (END OF WATCH)	461 420	710 000	973 770	976 490	979 240	982 130
F.O. CONSUMED	2590	2770	2770	2720	2750	2890
MACHINERY PARTICULARS — PRESSURES — THROTTLE	430	430	430	430	430	430
H.P. AHEAD	430	430	430	430	430	430
L.P. AHEAD	20	20	20	20	19	19
VACUUM	28.3	29.3	29.3	28.3	29.3	29.3
L.O. TO TURBINES	14	14	14	14	14	14
AUX. STEAM	135	135	135	135	135	135
BACK PRESSURE	10	10	10	10	10	9.5
GLAND STEAM	.3	.1	.2	.1	.1	.5
H.P. BLEEDER	65	80	80	70	80	80
I.P. BLEEDER	7	7	7	7	7	7
L.P. BLEEDER	14	14	13	14	14	13
TEMPERATURES — STEAM AT THROTTLE	720	710	730	730	730	735
L.P. EXHAUST	100	100	99	96	98	99
CONDENSATE	99	99	98	98	100	99
CIRC. WATER IN	68	66	66	66	66	66
CIRC. WATER OUT	84	82	83	81	82	82
L.O. TO COOLERS	127	126	127	122	126	127
L.O. FROM COOLERS	111	110	110	107	110	110
TEMPERATURE THRUST BEARING	112	112	112	108	110	112
FORWARD H.P. ROTOR BEARING	125	124	124	123	124	124

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D) — AFT. H. P. ROTOR BEARING	125	126	126	125	126	126
FORWARD L. P. ROTOR BEARING	131	130	130	127	128	128
AFT. L.P. ROTOR BEARING	127	127	127	125	126	126
HOTTEST GEAR BEARING FORWARD	144	143	138	141	142	138
HOTTEST GEAR BEARING AFT	135	136	138	132	132	134
AUX. COND. CONDENSATE		97	97/95		95	94
1ST STAGE FEED WATER HEATER	170	168	170	165	165	169
D. C. FEED WATER HEATER	240	238	240	240	240	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS	185	180	180	185	180	180
F. O. BACK PRESSURE						
AIR TO FURNACE	117	110	116	110		115
UPTAKE	285/270	285/290	285/285	270/275	275/290	280/280
MAIN STEAM	720	710	730	730	730	735
PRESSURES — SUPER HEAT	465	465	465	465	465	465
F.O. TO BURNERS	180/110	200/110	190/110	180/110	190/110	225/105
F.O. TEMP. IN SETTLING TANKS	118	115	110	116	115	116
PORT BOILER UPTAKE					5	
STBD. BOILER UPTAKE					5	
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	87	86	87	86	86	89
FIRE ROOM TEMPERATURE						
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	N	N	N	N	N	N

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	3	1200	430	720	9	132	114		62	1250	1250	240
1600 TO 2000	3	1200	430	710	8	135	115		62	1300	1200	240
	4	1200	430	710	10	137	130		50	1200	1200	240
2000 TO 2400	3	1200	430	730	8	132	110		62	1200	1200	240
	4	1200	430	730	9.5	136	126		50	1200	1200	240
2400 TO 0400	3	1200	430	730	9	132	114		62	1100	1100	240
	4	1200	430	730	9.2	137	127		50	1100	1100	240
0400 TO 0800	3	1200	430	730	9	134	115		62	1300	1300	240
	4	1200	430	730	10	137	125		50	1300	1300	240
0800 TO 1200	3	1200	430	735	9	132	110		62	1200	1200	240
	4	1200	430	735	9.5	136	126		50	1200	1200	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

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

REMARKS

1200-1600 WATCH Underway on 18 Nozz. - Machinery in operation follows as per Mach. Code B-3, 4 D3,4 P-3,4 ME-6 M-2 MC-3 C-2 F-3,4 L-3 G-3,4 SP-2 W-2 S-2 and LC-2. Blew Tubes on B-3 & 4 @ 1515 B/P of Bridge. 1530 Raised Vacuum on G-4. 1545 put same in parallel with G-3 & G-1. Bilges at safe level. Routine Underway Watch.

WATCH ENGR'S SIGNATURE- William W. Leggett

1600-2000 WATCH All Mach. as before Routine watch. Underway on 18 Nozzles. Cleaned fuel oil strainers. (suc) Cleaned #1 burner in port + stab boilers. Pumped engine room bilges + shaft alley. Carried out all standing orders.

WATCH ENGR'S SIGNATURE- Henry Beesley

2000-2400 WATCH Mach. as before. Underway on 18 Nozz.

Changed to inboard Settler @ 2210

WATCH ENGR'S SIGNATURE- Richard C. Leggemann

2400-0400 WATCH Machinery same as before. Steaming on 18 Nozzles Complied with Night and standing orders.

WATCH ENGR'S SIGNATURE- William W. Leggett

0400-0800 WATCH Underway on 18 nozzles. Standing orders carried out Routine watch. All machinery as before. Cleaned #1 burners port + stab.; fuel oil suc strainers. Pumped bilges + shaft alley.

WATCH ENGR'S SIGNATURE- Henry Beesley

0800-1200 WATCH Underway on 18 Nozz. Mach. same as before. Blew Tubes from 0800-0815. Fire Warning system tested at 0832. S'tby rang on Telegraph @ 1014, Poor visabilty. Lt @ 1019. Change Main Circ. Suction from High to Low @ 0915 Changed to outboard Settler @ 1120.

Chief Eng. in Eng. Rm 0910-0935

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE- Richard Leggemann

#3 ~~BOILER~~ #4

7.01	P.ALK	12.85
~~11.40~~	T.ALK	14.35
2.49	CHLO	3.73
40	PH. 4	35
~~47~~	SO. 3	~~43~~
10.5	PH	10.
	WS. HRS.	
	FS. HRS.	
.41	FW	.41

CHIEF ENGR'S SIGNATURE- J. O'Halloran

San-Mon

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen Page	3A	San Francisco	Vietnam	P-2-G	12-13 June 66

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	260	260	260	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		787 490	809 250	833 020	857 020	881 060	903 090
TOTAL REVOLUTIONS (FOR WATCH)		22220	21760	23770	24000	24040	22030
AVERAGE RPM		92.6	90.7	91.4	92.3	92.4	91.8
F.O. METER (END OF WATCH)		984 790	987 530	990 530	993 450	996 280	999 300
F.O. CONSUMED		2660	2740	3000	2920	2830	3020
MACHINERY PARTICULARS	PRESSURES: THROTTLE	430	430	430	430	430	430
	PRESSURES: H.P. AHEAD	430	430	430	430	430	430
	PRESSURES: L.P. AHEAD	20	19	19	19	19	19
	PRESSURES: VACUUM	28.5	29.5	29.5	28.5	29.	29.5
	PRESSURES: L.O. TO TURBINES	14	14	14	14	14	14
	PRESSURES: AUX. STEAM	135	135	135	135	135	135
	PRESSURES: BACK PRESSURE	10	10	10	10	10	10
	PRESSURES: GLAND STEAM	0	.8	.3	0	.8	.8
	PRESSURES: H.P. BLEEDER	70	80	80	75	80	80
	PRESSURES: I.P. BLEEDER	7	7	7	7	7	7
	PRESSURES: L.P. BLEEDER	14	14	14	14	14	14
	TEMPERATURES: STEAM AT THROTTLE	725	725	730	730	730	730
	TEMPERATURES: L.P. EXHAUST	100	100	99	99	98	100
	TEMPERATURES: CONDENSATE	95	94	96	96	96	97
	TEMPERATURES: CIRC. WATER IN	66	66	68	67	66	69
	TEMPERATURES: CIRC. WATER OUT	82	80	82	82	82	82
	TEMPERATURES: L.O. TO COOLERS	122	126	126	124	126	126
	TEMPERATURES: L.O. FROM COOLERS	110	110	110	110	112	110
	TEMPERATURES: TEMPERATURE THRUST BEARING	109	111	112	110	110	112
	TEMPERATURES: FORWARD H.P. ROTOR BEARING	123	124	125	125	125	125

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	125	126	126	124	126	126
	TEMPERATURES (CONT'D): FORWARD L. P. ROTOR BEARING	128	130	130	130	130	130
	TEMPERATURES (CONT'D): AFT. L.P. ROTOR BEARING	124	130	130	128	131	132
	TEMPERATURES (CONT'D): HOTTEST GEAR BEARING FORWARD	141	144	145	142	140	140
	TEMPERATURES (CONT'D): HOTTEST GEAR BEARING AFT	132	134	135	133	136	136
	TEMPERATURES (CONT'D): AUX. COND. CONDENSATE		94	95		94	97
	TEMPERATURES (CONT'D): 1ST STAGE FEED WATER HEATER	165	166	166	165	166	166
	TEMPERATURES (CONT'D): D. C. FEED WATER HEATER	240	240	238	240	240	238
	TEMPERATURES (CONT'D): 3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS	TEMPERATURES: F.O. TO BURNERS	185	180	180	185	182	180
	TEMPERATURES: F. O. BACK PRESSURE						
	TEMPERATURES: AIR TO FURNACE	116	115	115	115	110	115
	TEMPERATURES: UPTAKE	275/260	280/265	285/270	285/275	290/270	285/270
	TEMPERATURES: MAIN STEAM	725	725	730	730	730	730
	TEMPERATURES: SUPER HEAT	465	465	465	465	465	465
	PRESSURES: F.O. TO BURNERS	202/115	200/110	210/100	210/100	210/100	210/100
	PRESSURES: F.O. TEMP. IN SETTLING TANKS	114	100	108	115	115	112/85
	PRESSURES: PORT BOILER UPTAKE						
	PRESSURES: STBD. BOILER UPTAKE						
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	90	86	89	87	88	91
	FIRE ROOM TEMPERATURE						
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	N	N	N	N	N	N

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	3	1200	440	725	9	132	114		62	1250	1250	240
	4	1200	440	725	9.5	137	128		50	1250	1250	240
1600 TO 2000	3	1200	440	725	9	133	115		50	1150	1150	240
	4	1200	440	725	9.5	136	125		62	1150	1150	240
2000 TO 2400	3	1200	440		9	137	110		62	1100	1100	240
	4	1200	440		9.5	132	128		50	1100	1100	240
2400 TO 0400	3	1200	430	725	9	132	114		62	1100	1100	240
	4	1200	430	725	9.8	136	128		50	1100	1100	240
0400 TO 0800	#3	1200	430	725	9	132	114		62	1250	1250	240
	4	1200	430	725	9.8	135	125		50	1250	1250	240
0800 TO 1200	3	1200	430	725	9	132	110		62	1200	1250	240
	4	1200	430	725	9.5	136	125		50	1200	1300	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4 1/3	4 2/3	4

SUMMARY

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

REMARKS

1200-1600 WATCH Underway on 18 Nozz.-Machinery in operation follows as per Code B-3&4, D-3&4, P-3&4, F-3&4, M-2, MC-3, ME-G, L-3, G-3&4, FW-3, SP-2, C-2 and S-2. LC-2 Sump to Sump. Test Run FS-2. Same operated satisfactorily. Bilges at safe Level. Blew Tubes on B-3&4 @ 1515 B/P from Bridge. Stdby F/Pump Line up with #4 Main Routine Underway Watch

© on Eng. Bd. 1372640 WATCH ENGR'S SIGNATURE- William W. Leggett

1600-2000 WATCH UNDER WAY ON 18 NOZZLES. MACHINERY AS ABOVE. CLEANED FUEL OIL SUC. STRAINERS. PUMPED BILDGES AND SHAFT ALLEY. ROUTINE WATCH

C- ON ENG ROOM Bd. 1410300 WATCH ENGR'S SIGNATURE- Henry Beazley

2000-2400 WATCH Underway on 18 Nozz. Mach. as before. Retarded Clocks 20 Min. @ 2252

© on Eng. Rm. Bd. 1450710 Routine Underway Watch WATCH ENGR'S SIGNATURE- Richard Seggerman

2400-0400 WATCH Underway on 18 Nozz.-Mach. as before Retarded Clocks 20 Mins.

© on Eng. Bd. 1491110 WATCH ENGR'S SIGNATURE- William W. Leggett

0400-0800 WATCH UNDERWAY ON 18 NOZZLES RETARDED CLOCKS @ 0500. CLEANED FUEL OIL SUC. STRAINERS. PUMPED BILDGES + SHAFT ALLEY. MACH. AS BEFORE. ROUTINE WATCH, REPAIRS AS NESISSARY + POSSIBLE.

© ON ENG BD 1532133 CHIEF ENG. MR O'HALLORAN 0705-0717 WATCH ENGR'S SIGNATURE- Henry Beazley

0800-1200 WATCH Underway on 18 Nozz. - Mach. as before Blew tubes on #3+4 Boilers @ 0800 B/p Bridge. Fire warning system tested @ 0844.

© on Eng. Rm. Bd. 1568750 Chief Eng. in Eng. Rm. 0800-0815 WATCH ENGR'S SIGNATURE- Richard Seggerman

CHIEF ENGINEER

~~1402~~P 15.27
~~18.2~~M 20.44
~~18.10~~CL 3.73
~~3.49~~ CO_3 73
~~37~~ 45 PO_4 45
10.5 PH 10.5
.41 FW .41

CHIEF ENGR'S SIGNATURE- Jim O'Halloran

Tue - Wed

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. Pope	3-A	San Francisco	Vietnam	P-2-H	14-15 June 66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	925 110	947 140	969 160	991 200	1013 110	1035 170
TOTAL REVOLUTIONS (FOR WATCH)	22020	22030	22020	22040	21910	22060
AVERAGE RPM	91.7	91.8	91.8	92.9	91.3	91.9
F.O. METER (END OF WATCH)	1002 010	1004 880	1007 640	1010 390	1013 230	1016 070
F.O. CONSUMED	2770	2870	2760	2750	2740	2840
MACHINERY PARTICULARS – PRESSURES – THROTTLE	430	430	430	435	430	430
H.P. AHEAD	430	430	430	435	430	430
L.P. AHEAD	19	19	19	19	20	20
VACUUM	28.5	29.5	29.5	28.5	29.5	29.3
L.O. TO TURBINES	14	14	14	14	14	14
AUX. STEAM	135	135	130	135	135	135
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	.2	.2	.5	0	.7	.6
H.P. BLEEDER	75	80	80	80	80	80
I.P. BLEEDER	7	7	7	7	7	7
L.P. BLEEDER	14	14	14	14	14	14
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	725	725	730	730	730	730
L.P. EXHAUST	102	102	102	100	100	102
CONDENSATE	100	100	101	100	100	101
CIRC. WATER IN	70	70	70	70	70	70
CIRC. WATER OUT	74	84	85	84	86	85
L.O. TO COOLERS	126	126	126	124	126	126
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	110	112	112	110	110	112
FORWARD H.P. ROTOR BEARING	126	126	126	123	126	126

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING	130	130	128	125	125	128
FORWARD L. P. ROTOR BEARING	131	131	131	130	130	130
AFT. L.P. ROTOR BEARING	128	128	128	125	128	128
HOTTEST GEAR BEARING FORWARD	144	144	144	142	142	144
HOTTEST GEAR BEARING AFT	135	135	138	132	132	132
AUX. COND. CONDENSATE		98	99		98	102
1ST STAGE FEED WATER HEATER	165	166	167	166	166	170
D. C. FEED WATER HEATER	240	239	240	240	238	239
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	185	185	180	180	180	180
F. O. BACK PRESSURE						
AIR TO FURNACE	119	119	120	121	120	120
UPTAKE	275/270	280/290	275/280	290/275	280/275	275/280
MAIN STEAM	725	725	730	730	730	730
BOILER PARTICULARS – PRESSURES – SUPER HEAT	465	465	465	465	465	465
F.O. TO BURNERS	220/115	210/110	210/105	210/105	210/105	205/115
F.O. TEMP. IN SETTLING TANKS	100	80	90	100	115	95
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	92	90	92	90	91	93
FIRE ROOM TEMPERATURE						
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	16
BURNER TIP SIZE	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	N	N	N	N	N	N

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	3	1200	430	725	9	132	114		62	1150	1150	240
	4	1200	430	725	9.6	140	126		50	1150	1150	240
1600 TO 2000	3	1200	430	725	9	132	114		62	1150	1150	240
	4	1200	430	725	9.5	143	126		50	1150	1150	240
2000 TO 2400	3	1200		730	9	132	110		62	1200	1200	240
	4	1200		730	9.5	140	126		49	1200	1200	240
2400 TO 0400	3	1200	435	730	9	132	115		62	1100	1100	240
	4	1200	435	730	9.8	137	128		50	1100	1100	240
0400 TO 0800	3	1200	435	730	9	134	116		62	1200	1200	240
	4	1200	435	730	9.8	136	126		50	1200	1200	240
0800 TO 1200	3	1200	430	730	9	132	110		62	1200	1200	240
	4	1200	430	730	9.7	140	126		50	1200	1200	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

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

REMARKS

1200-1600 WATCH
Underway on 18 Nozz. - Machinery in operation follows as per Code. B-3 & 4, G-3 & 4, M-2, ME-3, ME-6 O-3 & 4, P-3 & 4, C-2, W-3, F-3 & 4, L-3, S-2, ~~FS~~ SF-2, LC-2 on Line. Cleaned L.O. Purifier and Mn. Unit L.O. Strainer. Changed to Outbd Settler @ 1230. Blow Tubes on O-3 & 4 B/P from Bridge.
Tested Overspeed Trip and Low L.O. Pressure on Mn. Unit.

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

WATCH ENGR'S SIGNATURE- William H. Leggett

1600-2000 WATCH
UNDERWAY, 18 NOZZLES MACHINERY AS BEFORE
CLEANED BURNERS. #1 P+S. - FUEL OIL SUC STRAINERS.
PUMPED BILDGES + SHAFT ALLEY. ROUTINE WATCH.

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

WATCH ENGR'S SIGNATURE- Henry Beazley

(C) ON BOARD. 1643280

2000-2400 WATCH
Underway on 18 Nozz. - Machinery as before.
Changed + Cleaned Strainers on #3 + 4 Gen.

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

WATCH ENGR'S SIGNATURE- Richard O. Leggerman

2400-0400 WATCH
Underway as before - Cleaned STBD F.O. Disch. Strainer and Mn. Unit L.O. Strainer. Cond. Test 0.41 GPG Added .3 gal. L.O. to #4 Mn. F/Pump.
Routine Underway Watch.

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

WATCH ENGR'S SIGNATURE- William H. Leggett

0400-0800 WATCH
UNDERWAY ON 18 NOZZLES. CLEANED #1 BURNERS P+S. BOILERS. PUMPED BILDGES + SHAFT ALLEY. CLEANE FUEL OIL SUC STRAINERS.
MACH. AS BEFORE.

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

WATCH ENGR'S SIGNATURE- Henry Beazley

0800-1200 WATCH
Underway on 18 Nozz. - Machinery as before.
Blew tubes as before. Fire Warning tested at 0826.
Cleaned + changed F.O. Strainers. Cond. Tested. .2 G.P.G.
Changed to Outb'd. Settler @ 1030

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

WATCH ENGR'S SIGNATURE- Richard O. Leggerman

CHIEF ENGINEER

~~#3~~ BOILER ~~#4~~

13.43 P.ALK 14.00
17.53 T.ALK 18.10
3.73 CHLO 3.31
54 PH. 4 38
49 SO. 3 43
10 PH 10
~~WS. HRS.~~
FS. HRS.
.41 FW .41
7.5 PH. 7.8

CHIEF ENGR'S SIGNATURE- [illegible]

Wed-Thu

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Hen. Pope	3-A	San Francisco	Vietnam	P-2-H	15-16 June 66

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	260	260	260	240
DETENTION TIME				1103 245			
REVOLUTION COUNTER (END OF WATCH)		1057 310	1079 240	~~1024~~ ~~670~~	1127 190	1167 020	1173 080
TOTAL REVOLUTIONS (FOR WATCH)		22140	21930	24005	23945	23830	22060
AVERAGE RPM		92.3	91.4	92.3	92.1	91.7	91.9
F.O. METER (END OF WATCH)		1018 840	9021 610	9024 670	9027 410	9030 700	9033 480
F.O. CONSUMED		2770	2870	3060	2740	3290	2780
MACHINERY PARTICULARS – PRESSURES	THROTTLE	430	430	430	430	430	430
	H.P. AHEAD	430	430	430	430	430	430
	L.P. AHEAD	20	20	19	20	19	20
	VACUUM	28.5	29.3	29.3	28.5	29.	29
	L.O. TO TURBINES	14	14	14	14	14	14
	AUX. STEAM	135	135	135	135	135	133
	BACK PRESSURE	10	10	10	10	10	10
	GLAND STEAM	0	1	.5	1.0	.9	1
	H.P. BLEEDER	70	80	80	80	80	80
	I.P. BLEEDER	7	7	7	7	7	7
	L.P. BLEEDER	14	14	13	14	14	13
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	740	740	740	740	750	740
	L.P. EXHAUST	102	102	104	104	104	108
	CONDENSATE	102	102	102	103	106	105
	CIRC. WATER IN	72	72	72	73	74	76
	CIRC. WATER OUT	86	96	88	88	88	92
	L.O. TO COOLERS	126	126	126	124	124	126
	L.O. FROM COOLERS	110	110	110	110	110	110
	TEMPERATURE THRUST BEARING	112	110	112	112	112	112
	FORWARD H.P. ROTOR BEARING	125	125	126	124	124	124

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	130	130	130	130	130	130
	FORWARD L. P. ROTOR BEARING	130	130	130	130	130	130
	AFT. L.P. ROTOR BEARING	126	126	127	126	126	126
	HOTTEST GEAR BEARING FORWARD	143	143	143	142	142	142
	HOTTEST GEAR BEARING AFT	133	134	13	134	134	134
	AUX. COND. CONDENSATE		102	102		106	107
	1ST STAGE FEED WATER HEATER	165	165	168	167	164	170
	D. C. FEED WATER HEATER	240	240	239	240	240	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS	185	180	180	180	180	180
	F. O. BACK PRESSURE						
	AIR TO FURNACE	128	123	118	125	117	122
	UPTAKE	285/275	290/285	275/280	285/275	285/290	285/285
	MAIN STEAM	740	740	740	740	750	740
BOILER PARTICULARS – PRESSURES	SUPER HEAT	465	465	465	465	465	465
	F.O. TO BURNERS	190/115	200/115	210/115	210/115	210/116	215/110
	F.O. TEMP. IN SETTLING TANKS	100	100	112	100	110	116
	PORT BOILER UPTAKE						
	STBD. BOILER UPTAKE						
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	91		91	91	94	96
	FIRE ROOM TEMPERATURE						
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	N	N	N	N	N	N

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	3	1200	430	740	9	132	115		62	1350	1350	240
	4	1200	430	740	9.6	139	128		49	1350	1350	240
1600 TO 2000	3	1200	430	740	9	132	115		62	1300	1300	240
	4	1200	430	740	9.6	140	130		50	1300	1300	240
2000 TO 2400	3	1200	430	740	9	132	110		62	1200	1150	240
	4	1200	430	740	9.7	140	127		50	1200	1150	240
2400 TO 0400	3	1200	430	740	9	133	115		62	1100	1100	240
	4	1200	430	740	9.8	140	130		49	1100	1100	240
0400 TO 0800	3	1200	430	750	9	134	115		62	1500	1500	240
	4	1200	430	750	9.5	140	130		49	1500	1500	240
0800 TO 1200	3	1200	430	740	9	134	113		62	1500	1150	240
	4	1200	430	740	9.9	145	135		48	1500	1150	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

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

REMARKS

1200-1600 WATCH Underway on 18 Nozz. - Machinery in operation follow as per code B-3 & 4, B-3 & 4, M-2 ME-6, D-3 & 4, P-3 & 4, F-3 & 4, C-2, W-3, L-3, S-2, LC-2, SP-2. Cleaned L.O. Strainers on Mn. Unit, LC-B on Sump to Sump. Tested overspeed Trip on Mn Unit.
Bilges at Safe Level. Cond. Test 0.41 GPG. Permission not Granted to Blow Tubes.
Routine Underway Watch
Sec. @ 1557 4L
Std By @ 1516½ - Fire Drill - sec. F/Drill 1534 A/S Drill 1534½

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

WATCH ENGR'S SIGNATURE- William W. Liggett

1600-2000 WATCH BRIDGE - WATERTIGHT DOORS RELEASED. 1600. BLEW TUBES @ 1605
BRIDGE WILL CLOSE ALL WATER TIGHT DOORS AT SUNSET THIS WATCH @ 1932
CLEANED SUC STRAINER (FUEL OIL); PUMPED BILDGES.
UNDERWAY 18 NOZZLES. MACHINERY AS BEFORE. ROUTINE WATCH.

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

WATCH ENGR'S SIGNATURE- Henry Beezley

2000-2400 WATCH Underway on 18 Nozz. - Machinery as before except: #2 Elec. F.W. Pump Secured @ 2115. Lost suction - Started Pt. Stm. F.W. Pump. Secured Pt. Stm. F.W. Pump at 2250 also secured F.W. Discharge from F.W. Tank + Stm. to Hot water Heater at same time - Plumber working on F.W. system. Held Eng. Casualty Drill from 2200-2220. - Bridge Notified. Changed + Cleaned F.O. Dis. strainers + Gen. L.O. strainers.
Clocks Retarded 20 min. @ 2253

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

WATCH ENGR'S SIGNATURE- Richard O. Loggerman

2400-0400 WATCH Underway on 18 Nozz. - Mach. in operation same as 1200-1600 Watch.
Held E-2 Casualty Drill (Ruptured Boiler Tube) for Watch. (Bridge Notified)
Bilges at Safe Level. Cleaned F.O. Strainers
Routine Underway Watch.

F.O. / F.W. / MUF / MU-U 2 / EVAP / GAL-D

WATCH ENGR'S SIGNATURE- William W. Liggett

0400-0800 WATCH UNDERWAY ON 18 NOZZLES CLOCK RETARDED 20 MINS @ 0500
HELD SIMULATED EMERGENCY DRILL E1 0630-0623. BRIDGE NOTIFIED
PUMPED BILDGES, CLEANED SUC FUEL OIL STRAINERS. MACH. AS BEFORE. ROUTINE WATCH.

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

WATCH ENGR'S SIGNATURE- Henry Bagley

0800-1200 WATCH Underway on 18 Nozz. - Mach. as before
Blew tubes @ 0810. St'bd. on Telegraph @ 0855 - Poor Visability.
L+ @ 0856. Fire Warning Tested @ 0904. Cond. tested .1 GPG
Changed to Outbd Settler @ 1130.
Routine Underway Watch

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

WATCH ENGR'S SIGNATURE- Richard O. Loggerman

CHIEF ENGINEER

BOILER

#3		#4
14.02	P. ALK	13.43
19.10	T. ALK	16.35
5.49	CHLO	5.90
50	PO. 4	50
59	SO. 3	45
10	PH	10.5
	WS. HRS.	
	FS. HRS.	
.41	FW.	.41
11	PH	8

CHIEF ENGR'S SIGNATURE- for O'Halloran

Thu - Fri

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. Pope	3-A	San Francisco	Vietnam	P-2-E	16-17 June 66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1195 110	1217 000	1238 990	1261 040	1283 000	1304 920
TOTAL REVOLUTIONS (FOR WATCH)	22030	21890	21990	22050	21960	21920
AVERAGE RPM	91.8	91.3	91.6	91.9	91.5	91.3
F.O. METER (END OF WATCH)	9036 170	9038 940	9041 730	9044 430	9047 270	9050 110
F.O. CONSUMED	2690	2770	2790	2700	2840	2840
MACHINERY PARTICULARS – PRESSURES: THROTTLE	430	430	430	430	430	430
H.P. AHEAD	430	430	430	430	430	430
L.P. AHEAD	21	20	20	20	20	20
VACUUM	28.5	29	29	28.5	29	28.7
L.O. TO TURBINES	14	14	14	14	14	14
AUX. STEAM	135	135	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.5	1.2	.6	.6	1.1	1.2
H.P. BLEEDER	75	77	80	75	75	78
I.P. BLEEDER	7	7	7	7	7	7
L.P. BLEEDER	14	14	13	13	13	13
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	740	740	740	740	740	740
L.P. EXHAUST	105	105	106	105	106	106
CONDENSATE	104	104	105	104	106	105
CIRC. WATER IN	74	74	74	74	75	74
CIRC. WATER OUT	87	88	91	87	90	91
L.O. TO COOLERS	122	126	126	122	126	126
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	110	110	112	110	112	112
FORWARD H.P. ROTOR BEARING	122	122	124	122	124	124

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	128	130	130	128	130	130
FORWARD L. P. ROTOR BEARING	130	130	130	130	130	130
AFT. L.P. ROTOR BEARING	126	126	128	126	126	128
HOTTEST GEAR BEARING FORWARD	140	142	142	140	142	142
HOTTEST GEAR BEARING AFT	131	133	133	131	132	133
AUX. COND. CONDENSATE		102	105		106	105
1ST STAGE FEED WATER HEATER	169	170	170	169	170	170
D. C. FEED WATER HEATER	240	240	240	239	239	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	185	180	180	185	180	180
F. O. BACK PRESSURE						
AIR TO FURNACE	120	120	120	124	124	124
UPTAKE	280/275	285/275	285/280	280/275	280/273	285/280
MAIN STEAM	740	740	740	740	740	740
BOILER PARTICULARS – PRESSURES: SUPER HEAT	465	465	465	465	465	465
F.O. TO BURNERS	210/115	210/110	205/105	210/115	210/115	215/115
F.O. TEMP. IN SETTLING TANKS	118	115	95	95	110	95
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	91	92	93	93	93	96
FIRE ROOM TEMPERATURE						
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	N	N	N	N	N	N

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	3	1200	430	740	9	132	115		62	1300	1300	240
	4	1200	430	740	9.9	139	130		48	1300	1300	240
1600 TO 2000	3	1200	430	740	9	132	114		62	1250	1250	240
	4	1300	430	740	9.7	140	130		49	1250	1250	240
2000 TO 2400	3	1200	430	740	9	132	112		62	1250	1250	240
	4	1200	430	740	9.5	142	132		49	1250	1250	240
2400 TO 0400	3	1200	430	740	9	132	115		62	1250	1250	240
	4	1200	430	740	9.9	139	135		49	1250	1250	240
0400 TO 0800	3	1200	430	740	9	132	114		62	1300	1300	240
	4	1200	430	740	9.7	140	134		49	1300	1300	240
0800 TO 1200	3	1200	430	740	9	132	112		62	1250	1250	240
	4	1200	430	740	9.5	143	125		49	1150	1150	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

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

REMARKS

1200-1600 WATCH Underway on 18 Nozz. - Mach. in operation follows as per Mach. code - B-3 & B-4 H-3 & 4, M-2, MC-3, ME-6, D-3 & 4, P-3 & 4, F-3 & 4, W-4, L-3, S-2, LC-2 and FS-3. Over Speed Trip Tested. C-2 out of order. Replaced slide valve on L-4. Cleaned Mn. Unit L.O. strainer and Stbd F.O. Disch. strainer. Cond Test 0.41 GPG. Blew Tubes @ 1515 B/P of Bridge

F.O. / 17' PBS F.W. / Dis. D/B MUF / MU-U / EVAP / GAL-D

Instructions on Steering Casualty Drill 1305-1335

WATCH ENGR'S SIGNATURE- William W. Leggett

1600-2000 WATCH UNDERWAY 18 NOZZLES. 1905 BRIDGE SECURED WATERTIGHT DOORS. CLEANED FUEL OIL SUC STRAINERS. PUMPED BILDGES + SHAFT ALLEY. CLEANED BURNERS. MACHINERY AS BEFORE. ROUTINE WATCH.

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

WATCH ENGR'S SIGNATURE- Henry Bezley

2000-2400 WATCH Underway on 18 Nozz. - Mach. as before. Held Eng. Casualty Drill E3 - Simulated only - Notified Bridge @ 2000-2020 Changed + cleaned F.O. Disch. Strainer + Generator Strainers Cond. Tested .2 G.P.G. Routine Watch

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

WATCH ENGR'S SIGNATURE- Richard O. Seggerman

2400-0400 WATCH Underway on 18 Nozz. Mach. as before except cleaned and adjusted 3-way valve on C-2 and put same in service. Held E-3 Casualty Drill for Watch, Bridge Notified. Cond. Test 0.41 GPG. Cleaned Stbd F.O. Strainer.

20' INBD - F.O. / 19' PBS #2 - F.W. / Dis. D/B - MUF / MU-U / EVAP / GAL-D

WATCH ENGR'S SIGNATURE- William W. Leggett

0400-0800 WATCH UNDERWAY ON 18 NOZZLES HELD SIMULATED DRILL E2 BRIDGE NOTIFIED 0715-0730. CLEAND FUEL OIL SUC STRAINER MACH. AS BEFORE. ROUTINE WATCH.

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

WATCH ENGR'S SIGNATURE- Henry Bezley

0800-1200 WATCH Underway on 18 Nozz. - Mach. as before. Blew tubes @ 0810. Fire Warning System Tested @ 0853. Requested Permission to leave Watertight door 6-130-1 open. - Permission granted @ 1045 - Welding cable leading through doorway. Changed Settlers to Outbd @ 1050. Cond. tested .3 G.P.G.

3' Fbd, 20' F.O. / 19' #2 F.W. PtS / Dis. MUF D/B / MU-U / EVAP / GAL-D

WATCH ENGR'S SIGNATURE- Richard O. Seggerman

CHIEF ENGINEER

BOILER	#3	#4
P.ALK	11.10	12.85
T.ALK	16.35	16.35
CHLO	4	3.31
PH. 4	40	33
SO. 3	51	55
PH	10	10.5
WS. HRS.		
FS. HRS.		
FW	.41	.41
PH	7	7.5

CHIEF ENGR'S SIGNATURE- J. O'Halloran

Pri-Sat

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. Pope	3-A	San Francisco	Vietnam	P-2-H	17-18 June 66

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	260	260	260	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1326 770	1348 620	1372 570	1396 520	1420 290	1440 420
TOTAL REVOLUTIONS (FOR WATCH)		21850	21850	23950	23960	23740	20130
AVERAGE RPM		91.2	91.1	92.1	92.2	9.4	83.9
F.O. METER (END OF WATCH)		9032 890	9056 620	9058 740	9061 810	9064 530	9067 400
F.O. CONSUMED		2780	2830	3120	3070	3020	2870
MACHINERY PARTICULARS	PRESSURES: THROTTLE	80	430	430	430	430	430
	H.P. AHEAD	435	435	430	430	430	430
	L.P. AHEAD	23	20	20	20	20	25
	VACUUM	28.3	28.6	28.6	28.5	28.5	28.0
	L.O. TO TURBINES	14	14	13	14	14	14
	AUX. STEAM	130	130	130	130	130	130
	BACK PRESSURE	10	10	10	10	10	10
	GLAND STEAM	1.5	.8	1.0	1.0	1.3	2.0
	H.P. BLEEDER	75	75	78	75	75	80
	I.P. BLEEDER	7	7	7	7	7	6
	L.P. BLEEDER	13	13	13	13	13	11
	TEMPERATURES: STEAM AT THROTTLE	740	740	740	740	740	740
	L.P. EXHAUST	109	109	108	106	109	110
	CONDENSATE	110	110	108	108	110	110
	CIRC. WATER IN	80	78	78	80	80	80
	CIRC. WATER OUT	94	94	92	94	94	94
	L.O. TO COOLERS	127	126	126	125	126	126
	L.O. FROM COOLERS	110	110	110	110	110	110
	TEMPERATURE THRUST BEARING	115	115	113	114	114	114
	FORWARD H.P. ROTOR BEARING	125	120	124	124	124	124

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	132	128	128	131	133	133
	FORWARD L. P. ROTOR BEARING	133	129	129	130	130	130
	AFT. L.P. ROTOR BEARING	128	128	128	126	126	126
	HOTTEST GEAR BEARING FORWARD	112	108	110	111	112	112
	HOTTEST GEAR BEARING AFT	121	118	120	119	120	120
	AUX. COND. CONDENSATE		108	108		112	112
	1ST STAGE FEED WATER HEATER	172	165	170	172	170	170
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	3RD STAGE FEED WATER HEATER		74				
BOILER PARTICULARS TEMPERATURES	F.O. TO BURNERS	185	180	180	180	180	180
	F. O. BACK PRESSURE						
	AIR TO FURNACE	130	131	122	125	124	122
	UPTAKE	275/285	285/285	280/285	290/280	285/290	285/280
	MAIN STEAM	740	740	740	740	740	740
PRESSURES	SUPER HEAT	465	465	465	465	465	465
	F.O. TO BURNERS	200/110	200/110	220/115	220/115	210/115	220/110
	F.O. TEMP. IN SETTLING TANKS	112	115		112	112	112
	PORT BOILER UPTAKE						
	STBD. BOILER UPTAKE						
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	98		94	94	95	97
	FIRE ROOM TEMPERATURE						
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55	53/70 51/55
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	N	N	N	N	N	N

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	3	1200	430	740	9	134	113		62	850	850	240
	4	1200	430	740	9.7	145	134		48	850	850	240
1600 TO 2000	3	1200	430	740	9	134	110		62	1000	1000	240
	4	1200	430	740	9.7	143	118		47	1000	1000	240
2000 TO 2400	3	1200	430	740	9	135	114		62	1200	1200	240
	4	1200	430	740	9.8	145	135		48	1200	1200	240
2400 TO 0400	3	1200	430	740	9	135	115		62	1200	1200	240
	4	1200	430	740	9.8	145	135		48	1200	1200	240
0400 TO 0800	3	1200	430	740	9	135	115		61	1300	1300	240
	4	1200	430	740	9.7	146	136		49	1300	1300	240
0800 TO 1200	3	1200	430	740	9	135	115		61	1250	1250	240
	4	1200	430	740	9.7	146	136		49	1250	1250	240

FUEL - WATER AND LUBE OIL

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

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4		4 1/3	4 1/3	4 2/3	4

SUMMARY

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

REMARKS

1200-1600 WATCH Underway on 18 Nozz.-Machinery in operation as per code. B-3&4, G-3&4 M-2, MC-3, ME-6, D-3&4, P-3&4, F-3&4, C-2, W-3, L-3, S-2, LC-2, FS-3, SP-2 and Stby F/P on Line with P-4. Overspeed and Low LO cutout checked. Test Run Stby L.O. S/Pump for one hr. Cleaned Stbd F.O. Strainer. #1 & 2 E/R Elect Load split @ 1300. Cond. Test 0.41GPG. Hy. Unit L.O. Strainer checked. Blew Tubes on D-3&4 B/P from Bridge. Routine Underway Watch.

WATCH ENGR'S SIGNATURE- William W. Leggett

1600-2000 WATCH UNDERWAY on 18 NOZZLES, PUMPED BILDGES, CLEANED FUEL OIL SUC STRAINERS, CLEANED FUEL OIL BURNERS. MACH. AS BEFORE ROUTINE WATCH. WATERTIGHT DOORS SECURED 1943 - BRIDGE.

WATCH ENGR'S SIGNATURE- Henry Beagley

2000-2400 WATCH Underway on 18 Nozz. - Mach. as before.
Split Elec. Load @ 2006 ~~Time~~ Rod. Clocks Retarded 20 min. @ 2253
Cleaned & changed strainers on #3 & 4 Generators. Changed & cleaned F.O. Disch. strainers. Cond. tested .2 G.P.G. Routine watch.

WATCH ENGR'S SIGNATURE- Richard O. Saggerman

2400-0400 WATCH Underway on 18 Nozz. - Mach. as before Changed To INBd @ 0030. Cleaned Stbd F.O. Disch. Strainer. Cond. Test 0.41GPG

WATCH ENGR'S SIGNATURE- William W. Leggett

0400-0800 WATCH UNDERWAY on 18 NOZZLES CLEANED SUC STRAINERS. PUMPED BILDGES. CLOCKS RETARDED 20 MIN. 0500. BRIDGE RELEASED WATERTIGHT DOORS. 0600. MACH. AS BEFORE. ROUTINE WATCH.

CHIEF ENG. MR. O'HALLORAN 0655 - 0705 WATCH ENGR'S SIGNATURE- Henry Beagley

0800-1200 WATCH Under-way 18 Nozz. - Mach. as before.
Blew Tubes @ 0805 - Fire Warning System Tested at 0821.
Elect. Load Slipped Out on Bd. @ 0945. Rang St'by on Telegraph @ 0945.
Regained Plant @ 0958. ~~UH~~ @ 1007. Mach. still same as before.

Chief Eng. in Eng. Rm. 0845-0900 WATCH ENGR'S SIGNATURE- Richard O. Saggerman

CHIEF ENGINEER

#3 BOILER		#4
14.60	P. ALK	16.18
19.86	T. ALK	20.44
3.31	CHLO	4.14
50	PO 4	45
54	SO. 3	47
11	PH	11
	WS. HRS.	
	FS. HRS.	
.41	FW	.41
6.8	PH	6.5

CHIEF ENGR'S SIGNATURE- J. O'Halloran