

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE																																																																																																															
GREEN POPE TAP 110		2		HONOLULU		VIETNAM		P2S2R2		2-28/3-1-66																																																																																																															
WATCH																																																																																																																									
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RUNNING TIME		240 240 260 260 260 240				AFT. H. P. ROTOR BEARING		135 135 135 135 135 135																																																																																																																	
DETENTION TIME						FORWARD L. P. ROTOR BEARING		125 122 122 122 120 122																																																																																																																	
REVOLUTION COUNTER (END OF WATCH)		7352 5020 43390 7357 1830 6260 20640 7364 3200				AFT. L. P. ROTOR BEARING		129 127 127 128 127 130																																																																																																																	
TOTAL REVOLUTIONS (FOR WATCH)		22360 22370 24440 24430 24380 22560				HOTTEST GEAR BEARING FORWARD		148 146 146 147 145 147																																																																																																																	
AVERAGE RPM		93.2 93.2 94. 94. 93.8 94.				HOTTEST GEAR BEARING AFT		148 145 145 149 146 148																																																																																																																	
F.O. METER (END OF WATCH)		S 2119510 80710 2122010 2123310 24670 2125890 P 5437510 40690 5441940 5443180 44440 5445630				AUX. COND. CONDENSATE		102 99 99 99 100 103																																																																																																																	
F.O. CONSUMED		2390 2380 2550 2570 2590 2410				1ST STAGE FEED WATER HEATER		160 158 158 160 159 160																																																																																																																	
PRESSURES		THROTTLE		445 448 450 450 450 450				D. C. FEED WATER HEATER		240 238 238 240 240 242																																																																																																															
		H.P. AHEAD		430 432 430 430 430 430				3RD STAGE FEED WATER HEATER																																																																																																																	
		L.P. AHEAD		18 18 18 18 18 18				F.O. TO BURNERS		150 150 150 150 150 150																																																																																																															
		VACUUM		28" 28" 28" 28" 28" 28"				F.O. BACK PRESSURE																																																																																																																	
		L.O. TO TURBINES		13 13 13 13 13 13				AIR TO FURNACE		132 130 130 130 130 133																																																																																																															
		AUX. STEAM		150 150 150 150 150 150				UPTAKE		P 310 300 300 305 310 310 S 250 250 250 250 250 250																																																																																																															
		BACK PRESSURE		9 9 9 9 9 9				MAIN STEAM		700 700 700 700 695 695																																																																																																															
		GLAND STEAM		- 0.5 - 0.5				SUPER HEAT TEMP S		P 725 720 720 715 715 715 S 615 625 625 620 620 620																																																																																																															
		H.P. BLEEDER		70 70 70 70 70 70				F.O. TO BURNERS		155 150 150 150 150 150																																																																																																															
		I.P. BLEEDER		7 7 7 7 7 7				F.O. TEMP. IN SETTLING TANKS S		P 85 86 86 90 90 90 S 81 84 84 88 88 88																																																																																																															
L.P. BLEEDER		11 11 11 11 11 11				PORT BOILER UPTAKE		7.0																																																																																																																	
TEMPERATURES		STEAM AT THROTTLE		670 672 670 670 665 665				STBD. BOILER UPTAKE		8.5																																																																																																															
		L.P. EXHAUST		104 104 104 102 104 104				ENGINE ROOM TEMPERATURE																																																																																																																	
		CONDENSATE		102 99 99 99 100 99				FIRE ROOM TEMPERATURE																																																																																																																	
		CIRC. WATER IN		79 77 77 77 78 75				NOZZLES IN USE		16 16 16 16 16 16																																																																																																															
		CIRC. WATER OUT		89 89 89 87 89 87				NO. OF BURNERS IN USE		6 6 6 6 6 6																																																																																																															
		L.O. TO COOLERS		124 127 126 125 127 128				BURNER TIP SIZE		53/70 53/70 53/70 53/70 53/70 53/70																																																																																																															
		L.O. FROM COOLERS		106 109 109 107 109 108				CO2 % PORT BOILER																																																																																																																	
		TEMPERATURE THRUST BEARING		116 116 116 116 115 116				CO2 % STBD. BOILER																																																																																																																	
		FORWARD H.P. ROTOR BEARING		119 119 119 119 119 120				OIL LEVEL MAIN SUMP		N N N N N N																																																																																																															
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REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - MACH 4 IN OPERATION - #1 & #2 BLCS & F.D. FANS - #1 D.C. GEN -
 #1 & #2 M.W. F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS - M.W. CIRC. PUMP - #1 M.W. COND. PUMP - 1/4 AIR
 EJECTOR - M.W. AIR COMP. - L.O. SERVICE PUMP - L.O. PURIFIER - ~~STBD~~ - STBD STEERING MOTOR -
 F.W. PUMP UNDER REPAIR - SINGLED PLANT - SECURED AUX. CIRC. PUMP, #2 COND. PUMP,
 & AUX. AIR EJECTOR - ROUTINE TESTS & INSPECTIONS -

H.P. & L.P. END PUMP 010

WATCH ENGR'S SIGNATURE -

William W. Leggett

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILERS:

COMPLIED W/DEPT ORDERS:

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

CW Fry

2000-2400 WATCH

as Before; Except, Set clock Back 20 minutes @ 2300 - Changed
 to Inboard Settler @ 2245 - Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

AS BEFORE

CONDUCTED CASUALTY DRILL E-14 - L.O. LOSS MAIN UNIT - BRIDGE NOTIFIED -

RETARDED CLOCK 20 MIN. @ 0100

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William W. Leggett

0400-0800 WATCH

AS BEFORE

RETARDED CLOCK 20 MIN @ 0500

SIMULATED CASUALTY DRILL E-14, L.O. FAILURE TO M.W. UNIT, BRIDGE NOTIFIED

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

CW Fry

0800-1200 WATCH

Machinery as Before Except; Blew Tubes #1 & #2 Boilers 0800-0820 -

Test Ran #1 & #2 Lifebot Motors - Changed & cleaned Fuel oil Hot Strainers

& Burners - Changed to Outboard Settler @ 1100 - Pumped Eng. Space

Bilges - Held Eng. Casualty Drill E-14 1000-1020 - 4 men Present - Notified
 Bridge -

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

	PORT	STBD
PA	7.59	935
TA	1051	1158
CH	331	331
PO ⁴	35	35
SO ³	30	30
SH	2034	1992

CHIEF ENGR'S SIGNATURE -

M. Fox

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 (CONT'D)						
RUNNING TIME							AFT. H. P. ROTOR BEARING						
DETENTION TIME							FORWARD L. P. ROTOR BEARING						
REVOLUTION COUNTER (END OF WATCH)							AFT. L. P. ROTOR BEARING						
TOTAL REVOLUTIONS (FOR WATCH)							HOTTEST GEAR BEARING FORWARD						
AVERAGE RPM							HOTTEST GEAR BEARING AFT						
F.O. METER (END OF WATCH)							AUX. COND. CONDENSATE						
F.O. CONSUMED							1ST STAGE FEED WATER HEATER						
							D. C. FEED WATER HEATER						
							3RD STAGE FEED WATER HEATER						
							F.O. TO BURNERS						
							F. O. BACK PRESSURE						
							AIR TO FURNACE						
							UPTAKE						
							MAIN STEAM						
							SUPER HEAT						
							F.O. TO BURNERS						
							F.O. TEMP. IN SETTLING TANKS						
							PORT BOILER UPTAKE						
							STBD. BOILER UPTAKE						
							ENGINE ROOM TEMPERATURE						
							FIRE ROOM TEMPERATURE						
							NOZZLES IN USE						
							NO. OF BURNERS IN USE						
							BURNER TIP SIZE						
							CO 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		
1200 TO 1600	1	1200	440		9	120	110		62	700	700	240	METER AT NOON	53050	3297	ON HAND AT START OF DAY			EVAPORATED OR RECEIVED		
	2	1200	440		7	134	123		69	700	700	240	METER PREVIOUS NOON	5890	4600						
1600 TO 2000	1	1200	440		9	120	110		62	700	700	240	CONSUMED BY METER	7429	7050	ON HAND					
	2	1200	440		7	139	128		69	600	600	240	ON HAND AT START OF DAY	17661		CONSUMED					
2000 TO 2400	1	1200	440		9	120	110		62	550	550	240	RECEIVED DURING DAY			ON HAND AT START OF DAY					
	2	1200	440		7	139	128		69	600	600	240	EXPENDED DURING DAY	345	372	RECEIVED					
2400 TO 0400	1	1200	440		9	120	110		63	600	600	240	REMAINING ON BOARD	16944		ON HAND					
	2	1200	440		7	140	128		69	600	600	240	ON HAND AT START OF DAY	1369		CONSUMED					
0400 TO 0800	1	1200	445		9	120	110		63	650	650	240	DOMESTIC WATER			ON HAND					
	2	1200	445		7	140	128		69	650	650	240	EVAPORATED OR RECEIVED								
0800 TO 1200	1	1200	440		9	120	110		63	750	750	240	ON HAND	1368							
	2	1200	440		7	140	128		70	650	650	240	CONSUMED								

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

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

SUMMARY

RUNNING TIME	24.425	PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS	13563	WIND DIRECTION	
AVERAGE R.P.M.	94.18	STATE OF SEA	
TOTAL MILES BY ENGINE	502	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	622		

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACHINERY IN OPERATION - #1 & #2 BLKS. & F.D. FANS - #1 & #2 D.C. GENs -
 1/2 AIR EXTRACTOR - #1 & #2 M.V. F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M.V. COND. PUMPS - M.V. CIRC.
 PUMP - 1/2 AIR COMP. - L.O. SERVICE PUMP - L.O. PURIFIER - STD. STEERING MOTOR / L.T. OFF
 #2 D.C. GEN. @ 1330 ON LINE @ 1345 - STARTED A.C. UNIT @ 1400 - SECURED DUE TO ELECTRICAL
 MALFUNCTION - #1 BLK F.O. RATIO CONTROL ON MANUAL OPERATION - ROUTINE TESTS &
 INSPECTIONS -

H.P. & L.P. FAN PLAY-OVO

WATCH ENGR'S SIGNATURE-

William W. Leggett

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILERS

ROUTINE WATCH

1ST A/E WORKING ON COMBUSTION CONTROL BOARD

WATCH ENGR'S SIGNATURE-

CW Frey

2000-2400 WATCH

as before, except; changed to Inboard Settler @ 2230 - Purged fire
 Space Bilge -

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

AS BEFORE - COMPLIED WITH NITE ORDERS
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

0400-0800 WATCH

AS BEFORE

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

CW Frey

0800-1200 WATCH

Machinery as before, except; changed & cleaned fuel oil hot strainers & burner -
 Blew tubes #1 & #2 Boilers 0800-0820 - Started A.C. Unit @ 0930 - on line @ 1100
 Started #1 Fire Pump - Test Run #1 & #2 Lifeboat Motors - Secured L.P. Eng. @
 0945 - changed to outboard Settler @ 1130

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

	PORT	STARBOARD
PA	759	759
TA	1051	1051
CH	331	331
PO	35	20
SO	30	30
SH	2048	2016

CHIEF ENGR'S SIGNATURE-

M. Fox

USNS		Voyage No.	FROM	TO	Type of Vessel	Date
ROPE TAP-10		2	HONOLULU	VIETNAM	P ₂ S ₂ R ₂	3-3/4-66
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)	7380 1630	24430	7384 9430	7387 4130	98360	7392 0730
TOTAL REVOLUTIONS (FOR WATCH)	22800	22800	25000	24700	24230	22370
AVERAGE RPM	95.0	95.0	96.1	95.0	93.2	93.2
F.O. METER (END OF WATCH)	5454350 2134150	55660	5737090 2136750	58440	59840	5461100 2140630
F.O. CONSUMED	2480	2570	2750	2710	2760	2440
MACHINERY PARTICULARS (CONT'D)						
THROTTLE	440	440	440	440	445	440
H.P. AHEAD	430	425	430	430	430	430
L.P. AHEAD	23	24.5	24	24	22	18
VACUUM	27.5"	27.4	27.5"	27.5"	27.5	27.5
L.O. TO TURBINES	13	13	13	13	13	13
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM		1.0	1		1.0	1
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	7	7	7	7	7	7
L.P. BLEEDER	12	12	12	12	10	11
STEAM AT THROTTLE	685	686	685	680	685	675
L.P. EXHAUST	108	110	109	107	106	106
CONDENSATE	106	105	105	104	102	102
CIRC. WATER IN	80	80	80	78	77	78
CIRC. WATER OUT	92	94	92	90	90	90
L.O. TO COOLERS	125	127	126	124	126	126
L.O. FROM COOLERS	106	109	108	106	109	108
TEMPERATURE THRUST BEARING	116	117	117	115	116	116
FORWARD H.P. ROTOR BEARING	120	120	121	120	120	121
MACHINERY PARTICULARS (CONT'D)						
AFT. H. P. ROTOR BEARING	136	135	136	137	134	136
FORWARD L. P. ROTOR BEARING	125	125	126	127	124	125
AFT. L.P. ROTOR BEARING	129	128	130	128	127	128
HOTTEST GEAR BEARING FORWARD	148	144	144	145	143	145
HOTTEST GEAR BEARING AFT	150	146	147	150	145	147
AUX. COND. CONDENSATE	106	105	107	104	102	104
1ST STAGE FEED WATER HEATER	165	164	163	164	160	159
D. C. FEED WATER HEATER	240	240	241	240	240	241
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS						
F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE	132	130	133	132	128	134
UPTAKE	P 315 S 250	310 255	310 255	315 255	315 255	315 250
MAIN STEAM	710	715	710	710	710	700
SUPER HEAT	P 735 S 625	735	735 635	730 630	735	735 630
F.O. TO BURNERS	160	160	160	160	165	160
F.O. TEMP. IN SETTLING TANKS	P 84 S 80	84 80	85 80	84 80	88 80	88 86
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS						
ENGINE ROOM TEMPERATURE						
FIRE ROOM TEMPERATURE						
NOZZLES IN USE	16	16	16	16	16	16
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO ₂ % PORT BOILER						
CO ₂						

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MAINT IN OPERATION - #1 & #2 PHS & F.D. PHS - #1 & #2 DC GEN'S -
 #1 & #2 M/FD PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M/COND. PUMPS - M/Air EXTRACTOR - M/Air CIRC
 PUMP - FIRE PUMP - FW PUMP - AIR COMPRESSOR - L.O. SERVICE PUMP - L.O. PURIFIER - STBD
 STEERING MOTOR / A.C. UNIT IN OPERATION - ROUTINE TESTS & INSPECTIONS -

HP & L.P. END PLAY 010

WATCH ENGR'S SIGNATURE -

William H. Leggett

1600-2000 WATCH

UNDERWAY AS BEFORE
 BLEW TUBES P/S BOILERS
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

C. W. Fry

2000-2400 WATCH

As Before, except; changed to Inboard Settler @ 2230 - Set clock
 Back 20 minutes @ 2300 - Pumped fwd. Spar Bilge -

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

AS BEFORE
 COMPLIED WITH WIFE ORDERS
 RETARDED CLOCK 20 MIN.
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William H. Leggett

0400-0800 WATCH

AS BEFORE
 LP EVAP STARTED
 RETARDED CLOCK 20 MIN @ 0500
 ROUTINE WATCH
 COMPLIED W/DEPT ORDERS

WATCH ENGR'S SIGNATURE -

C. W. Fry

0800-1200 WATCH

Machinery as Before, except; Blew Tubes #1 & 2 Boilers 0800-0820 -
 Secured Air Condition Unit @ 0830 - changed & cleaned Fuel oil Hot
 Strainers & Burners - changed & cleaned Generator Lube Oil Strainers -
 changed to outboard Settler @ 1000 - Pumped #3 Hold Bilge & fwd.
 Spar Bilge -

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

4	PORT	STBD
PA	9.35	9.35
TA	11.68	11.68
CH	331	331
PO ⁴	30	30
SO ³	40	30
SH	2072	2040

CHIEF ENGR'S SIGNATURE -

M. Fox

USNS GEN POPE TAP 110 VOYAGE NO. 2 FROM HONOLULU TO VIETNAM TYPE OF VESSEL PSR2 DATE 3-4/5-66

							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		AFT. H. P. ROTOR BEARING													138	135	136	136	135	136
DETENTION TIME																			FORWARD L. P. ROTOR BEARING													125	122	125	124	122	126
REVOLUTION COUNTER (END OF WATCH)													7394 2970	65230	7398 7640	7401 0080	32520	7405 4950	AFT. L.P. ROTOR BEARING													129	128	128	128	127	128
TOTAL REVOLUTIONS (FOR WATCH)													22240	22260	22410	22440	22440	22430	HOTTEST GEAR BEARING FORWARD													146	145	145	146	145	146
AVERAGE RPM													92.7	92.8	93.3	93.5	93.5	93.4	HOTTEST GEAR BEARING AFT													150	147	148	148	146	147
F.O. METER (END OF WATCH)													546230 241800	63540	546450 244220	65950	67120	5468400 2147830	AUX. COND. CONDENSATE													103	102	104	101	102	105
F.O. CONSUMED													2400	2430	2410	2410	2430	2420	1ST STAGE FEED WATER HEATER													159	160	158	158	158	158
																			D. C. FEED WATER HEATER													242	242	241	241	240	241
																			3RD STAGE FEED WATER HEATER																		

GENERATORS													FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R. P. M.	STEAM PRESSURE	STEAM TEMP.	L. O. PRESSURE	L. O. TO COOLER	L. O. FROM COOLER	TEMP. OF HOTTEST BEARING	L. O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER	LUBE OIL		
													METER AT NOON	ON HAND AT START OF DAY		METER PREVIOUS NOON	EVAPORATED OR RECEIVED	CONSUMED BY METER
1200 TO 1600	1	1200	445		9	120	110		62	800	800	240	68400	7830				
	2	1200	445		7	142	130		69	800	800	240	64100	40630				
1600 TO 2000	1	1200	445		9	120	110		62	700	700	240	7300	7200				
	2	1200	445		7	140	129		70	700	700	240		16220				
2000 TO 2400	1	1200	445		9	119	110		62	700	700	240						
	2	1200	445		7	140	129		70	700	700	240						
2400 TO 0400	1	1200	445		9	120	110		62	700	700	240						
	2	1200	445		7	140	129		70	700	700	240						
0400 TO 0800	1	1200	445		9	120	110		62	700	700	240						
	2	1200	445		7	141	129		70	700	700	240						
0800 TO 1200	1	1200	445		9	120	110		62	750	750	240						
	2	1200	445		7	140	129		70	750	750	240						
1200 TO 1600	1	1200	445		9	120	110		62	750	750	240						
	2	1200	445		7	140	129		70	750	750	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		3		4		4								
SUMMARY																		
RUNNING TIME													24 HRS		PERCENT OF SLIP			
DETENTION TIME															BBL FUEL/MI			
TOTAL REVOLUTIONS													13422		WIND DIRECTION			
AVERAGE R. P. M.													93.00		STATE OF SEA			
TOTAL MILES BY ENGINE													497		STATE OF WEATHER			
TOTAL MILES BY OBSERVATION													450					

REMARKS

1200-1600 WATCH

UNDERWAY 16 Nozzles - 1 MACH. IN OPERATION - #1 & #2 BLES. & F.D. Fans - #1 & #2 DC GENs -
 1 M/AIR EXTRACTOR - #1 & #2 M/FD. PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M/L AND PUMPS - M/L CIRC. PUMP -
 AIR COMP - L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - FIRE PUMP - STBD. STEERING MOTOR -
 EMERGENCY DIESEL GEN. RAN FROM 1300 TO 1500 @ 200 AMPS - ROUTINE TESTS & INSPECTIONS -
 STBY @ 1515 FIRE & COLLISION DRILL @ 1515 SECURED @ 1528 BOAT DRILL @ 1529
 4H @ 1537 - CH. ENG. IN E.R. DURING DRILLS - SECURED #1 FIRE PUMP -

WATCH ENGR'S SIGNATURE-

HP & L.O. END DAY - 010

1600-2000 WATCH

AS BEFORE
 BLEW TUBES P/S BOILER
 XTRA FO FROM DWTH
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

As Before, Except; Changed all Burners, Port Boiler - changed to Inboard
 Settles @ 2330 - Pumped Eng. Space Bilge -

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

AS BEFORE

CLEANED L.O. PURIFIER - BACK ON SUPPLY TO SUMP -
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

AS BEFORE

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

Machinery as Before, Except; Blew Tubes #1 & #2 Boilers 0800-0820 - changed &
 cleaned Fuel oil Hot Strainers & Burners - Held Eng. Casualty Drill E-15
 "High Pressure Turbine Rubbing" 1000-1020 4 Men Present, Bridge Notified
 Changed to Outboard Settles @ 1130 - Pumped Eng. Space & #3 Hold Bilge -

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

PORT	STBD
PA 993	935
TA 1343	1168
CH 373	331
PO 35	30
SC 45	38
SH 2096	2064

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
MACHINERY PARTICULARS													
TEMPERATURES													
PRESSURES													
MISCELLANEOUS													
MACHINERY PARTICULARS (CONT'D)													
TEMPERATURES (CONT'D)													
PRESSURES													
MISCELLANEOUS													

GENERATORS													FUEL - WATER AND LUBE OIL											
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL			DOMESTIC WATER								
													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	
200 TO 600	1	1200	440		9	120	110		62	700	700	240	72200	5780	7800	7350	18	509	360	385	14	764	13	57
600 TO 1000	2	1200	440		7	143	131		69	700	700	240												
1000 TO 1400	1	1200	445			120	110			700	700	240												
			1																					
1400 TO 1800	2	1200	445			140	131			700	700	240												
	1	1200	445		9	120	110		62	700	700	240												
1800 TO 2200	2	1200	445		7	141	130		69	700	700	240												
	1	1200	445		9	120	110		62	700	700	240												
2200 TO 2400	2	1200	445		7	142	130		70	700	700	240												
	1	1200	445		9	120	110		63	700	700	240												
2400 TO 2600	2	1200	445		7	140	129		70	700	700	240												
	1	1200	445		9	120	110		63	750	758	240												
2600 TO 2800	2	1200	445		7	141	136		70	750	750	240												
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)													L.O. CENTRIFUGE - HOURS OPERATED											
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200						
													4	4	4 1/2	4 1/2	4 1/2	4						
SUMMARY																								
RUNNING TIME													254			254			PERCENT OF SLIP					
DETENTION TIME																			BBL FUEL/MI					
TOTAL REVOLUTIONS													14072						WIND DIRECTION					
AVERAGE R.P.M.													93.81						STATE OF SEA					
TOTAL MILES BY ENGINE													521						STATE OF WEATHER					
TOTAL MILES BY OBSERVATION													463											

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES MACH'Y IN OPERATION - #1 & #2 BLES & F.D. FANS - #1 & #2 D.C. GENS. - #1 & #2 M.V. F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M.V. COND. PUMPS - M.V. Circ. PUMP - M.V. AIR EXTRACTOR - M.V. AIR COMP. - L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - STBD STEERING MOTOR - / CONDUCTED CASUALTY DRILL E-15 - BRIDGE NOTIFIED - ROUTINE TESTS & INSPECTIONS.

H.P. & L.P. END PLAY - DID

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILERS
ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William H. Leggett

2000-2400 WATCH

Machinery as Before, except; Set clock back 20 minutes @ 2300 - changed to Inboard Settler @ 2330 - Pumped #1 Hold & Eng. Spaces Bilges -

WATCH ENGR'S SIGNATURE -

C. W. Gray

2400-0400 WATCH

SAME AS BEFORE

RETARDED CLOSURE 20 MIN.

COMPLIED W/ NITE ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

M. Fox

0400-0800 WATCH

AS BEFORE

COMPLIED W/ DEPT ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William H. Leggett

0800-1200 WATCH

Machinery as Before, except; Blew Tubes #1 & #2 Boilers 0800-0820 - changed & cleaned Fuel oil Hot Strainers & Burners - changed & cleaned Generator Lube oil Strainers - changed to Outboard Settler @ 1130 - Pumped Eng. Spaces Bilges -

WATCH ENGR'S SIGNATURE -

C. W. Gray

#1 F.O.M. 2155180

#2 F.O.M. 5476200

CTR. 74195670

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

G	PORT	STBD
PA	1051	1051
TA	1402	1343
CH	373	331
PO ⁴	35	30
SO ³	45	45
SH	2120	2088

CHIEF ENGR'S SIGNATURE -

M. Fox

USNS GEN POPE TAP 110 VOYAGE NO. 2 FROM HONOLULU, H.I. TO VIETNAM TYPE OF VESSEL P2S2R2 DATE 3-6/7-66

							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)							7421 8180	40700 22580	7426 3310	7428 6040	08640 22600	7433 1220	
TOTAL REVOLUTIONS (FOR WATCH)							22510	22580	22610	22730	22600	22580	
AVERAGE RPM							93.8	93.8	94.2	94.7	94.2	94.	
F.O. METER (END OF WATCH)							5477440 2156360	78960 57540	5479930 2158710	81200 59890	82470 61070	5483880 2162360	
F.O. CONSUMED							2420	2400	2140	2450	2250	2640	
PRESSURES	THROTTLE	445	445	445	445	445	440						
	H.P. AHEAD	430	430	430	430	430	425						
	L.P. AHEAD	17	17.5	18	18	18	21						
	VACUUM	28"	27.8"	28"	28"	27.8"	27.5"						
	L.O. TO TURBINES	13	13	13	13	13	13						
	AUX. STEAM	150	150	150	150	150	150						
	BACK PRESSURE	9	9	9	9	9	9						
	GLAND STEAM		0			0							
	H.P. BLEEDER	70	70	70	70	70	70						
	I.P. BLEEDER	7	7	7	7	7	7						
L.P. BLEEDER	12	12	12	12	12	10							
TEMPERATURES	STEAM AT THROTTLE	685	685	685	685	680	685						
	L.P. EXHAUST	106	107	105	106	106	113						
	CONDENSATE	103	104	102	102	102	103						
	CIRC. WATER IN	82	82	80	81	81	81						
	CIRC. WATER OUT	91	92	91	91	92	92						
	L.O. TO COOLERS	126	127	126	126	127	126						
	L.O. FROM COOLERS	109	109	108	108	108	108						
	TEMPERATURE THRUST BEARING	117	117	117	116	115	116						
	FORWARD H.P. ROTOR BEARING	120	119	120	119	118	120						
								WATCH					
							1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
AFT. H. P. ROTOR BEARING							137	135	136	137	135	136	
FORWARD L. P. ROTOR BEARING							129	126	127	122	125	130	
AFT. L.P. ROTOR BEARING							130	127	129	130	127	130	
HOTTEST GEAR BEARING FORWARD							147	145	146	147	145	145	
HOTTEST GEAR BEARING AFT							149	146	147	149	146	147	
AUX. COND. CONDENSATE							103	104	104	103	102	118	
1ST STAGE FEED WATER HEATER							160	158	157	159	160	158	
D. C. FEED WATER HEATER							240	240	240	240	240	240	
3RD STAGE FEED WATER HEATER													
F.O. TO BURNERS							150	150	150	150	150	150	
F. O. BACK PRESSURE													
AIR TO FURNACE							134	132	132	132	131	132	
UPTAKE							P 305 S 255	310	310 250	310 255	310	315 260	
MAIN STEAM							710	715	715	710	710	710	
SUPER HEAT							P 730 S 640	730	735 635	730 630	730	735 640	
F.O. TO BURNERS							150	145	150	150	145	190	
F.O. TEMP. IN SETTLING TANKS							P 90 S 83	90 86	92 86	92 88	94 84	94 84	
PORT BOILER UPTAKE											5.0	6.4	
STBD. BOILER UPTAKE											4.0	4.2	
ENGINE ROOM TEMPERATURE													
FIRE ROOM TEMPERATURE													
NOZZLES IN USE							16	16	16	16	16	16	
NO. OF BURNERS IN USE							6	6	6	6	6	6	
BURNER TIP SIZE							53/70	53/70	53/70	53/70	53/70	53/70	
CO ₂ % PORT BOILER													
CO ₂ % STBD. BOILER													
OIL LEVEL MAIN SUMP							When	N	N	N	N	N	

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							
200 TO 600	1	1200	445		9	120	110		62	750	750	246	METER AT NOON	3880	2300	ON HAND AT START OF DAY								
													METER PREVIOUS NOON	200	55180	EVAPORATED OR RECEIVED								
600 TO 1000	2	1200	445		7	143	131		70	750	750	240	CONSUMED BY METER	7680	7120	ON HAND								
													ON HAND AT START OF DAY	14764		CONSUMED								
1000 TO 1400	1	1200	445		9	120	110		62	650	650	240	RECEIVED DURING DAY			ON HAND AT START OF DAY								
													EXPENDED DURING DAY	352	370	RECEIVED								
1400 TO 1800	2	1200	445		7	142	130		70	650	650	240	REMAINING ON BOARD	14044		ON HAND								
													ON HAND AT START OF DAY	1385		CONSUMED								
1800 TO 2400	1	1200	445		9	120	110		62	650	650	240	EVAPORATED OR RECEIVED			DIE 2000								
													ON HAND	1424										
2400 TO 0400	2	1200	445		7	141	130		70	650	650	240	CONSUMED											
													LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)											
0400 TO 0800	1	1200	445		9	120	110		62	650	650	240	L.O. CENTRIFUGE - HOURS OPERATED											
													1200 TO 1600	4	1600 TO 2000	4	2000 TO 2400	4	2400 TO 0400	4	0400 TO 0800	4	0800 TO 1200	4
0800 TO 1200	2	1200	445		7	142	130		71	650	650	240	SUMMARY											
													RUNNING TIME	24475	PERCENT OF SLIP									
1200 TO 1600	1	1200	445		9	120	110		62	750	750	240	DETENTION TIME		BBL FUEL/MI									
													TOTAL REVOLUTIONS		13555	WIND DIRECTION								
1600 TO 2000	2	1200	445		7	140	130		70	750	750	240	AVERAGE R.P.M.		94.1	STATE OF SEA								
													TOTAL MILES BY ENGINE		502	STATE OF WEATHER								
2000 TO 2400	1	1200	440		9	121	111		62	1400	1400	240	TOTAL MILES BY OBSERVATION		456									
2400 TO 0000	2	1200	440		7	143	132		70	1400	1400	240												

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH & IN OPERATION - #1 & #2 BLRS. & F.D. FANS - #1 & #2 DC @ FENS -
 #1 & #2 MN. FD. PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 MN. COND. PUMPS - MN. CIRC. PUMP - MN. AIR
 EXTRACTOR - MN. AIR COMP. - L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - STBD. STEERING MOTOR
 ROUTINE TESTS & INSPECTIONS

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILERS
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William H. Leggett

WATCH ENGR'S SIGNATURE-

C. W. Frey

2000-2400 WATCH

As Before, except; Pumped 4 1/2 ft. of frg. Space Bilges - changed to
 Inboard Settler @ 2330-

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

SAME AS BEFORE

COMPLIED WITH NITE ORDERS

ROUTINE TESTS & INSPECTIONS

WATCH ENGR'S SIGNATURE-

William H. Leggett

0400-0800 WATCH

AS BEFORE

COMPLIED W/DEPT ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

C. W. Frey

0800-1200 WATCH

Machinery as Before, except; Blew Tubes #1 & #2 Boilers 0800-0820 - Added
 6 gal. Lube Oil to #2 main feed Pump - Lit Off Air Conditioning Unit @ 0900 -
 changed & cleaned Fuel oil Hot Strainers & Burners - changed & cleaned
 Generator Lube Oil Strainers - changed to Outboard Settler @ 1130 - Pumped
 frg. Space Bilges - Test Ran #1 & #2 Lifeboat Motors -

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

7

PA	PORT	STBD
TA	10.51	10.51
CH	14.02	14.02
PO	3.73	3.31
SO	35	30
SH	45	45
5H	2144	2112

CHIEF ENGR'S SIGNATURE-

McJohnson

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE							
GEN. POPE TAP 110		2		HONOLULU		VIETNAM		P2S2R2		3-2/8-66							
WATCH																	
<table><tr><td>1200 TO 1600</td><td>1600 TO 2000</td><td>2000 TO 2400</td><td>2400 TO 0400</td><td>0400 TO 0800</td><td>0800 TO 1200</td></tr></table>												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												
WATCH																	
<table><tr><td>1200 TO 1600</td><td>1600 TO 2000</td><td>2000 TO 2400</td><td>2400 TO 0400</td><td>0400 TO 0800</td><td>0800 TO 1200</td></tr></table>												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)																	
F.O. CONSUMED																	
MACHINERY PARTICULARS (CONT'D)																	
AFT. H. P. ROTOR BEARING																	
FORWARD L. P. ROTOR BEARING																	
AFT. L. P. ROTOR BEARING																	
HOTTEST GEAR BEARING FORWARD																	
HOTTEST GEAR BEARING AFT																	
AUX. COND. CONDENSATE																	
1ST STAGE FEED WATER HEATER																	
D. C. FEED WATER HEATER																	
3RD STAGE FEED WATER HEATER																	
F.O. TO BURNERS																	
F. O. BACK PRESSURE																	
AIR TO FURNACE																	
UPTAKE																	
MAIN STEAM																	
SUPER HEAT																	
F.O. TO BURNERS																	
F.O. TEMP. IN SETTLING TANKS																	
PORT BOILER UPTAKE																	
STBD. BOILER UPTAKE																	
ENGINE ROOM TEMPERATURE																	
FIRE ROOM TEMPERATURE																	
NOZZLES IN USE																	
NO. OF BURNERS IN USE																	
BURNER TIP SIZE																	
CO2 % PORT BOILER																	
CO2 % STBD. BOILER																	
OIL LEVEL MAIN SUMP																	
MISCELLANEOUS																	
THROTTLE																	
H.P. AHEAD																	
L.P. AHEAD																	
VACUUM																	
L.O. TO TURBINES																	
AUX. STEAM																	
BACK PRESSURE																	
GLAND STEAM																	
H.P. BLEEDER																	
I.P. BLEEDER																	
L.P. BLEEDER																	
STEAM AT THROTTLE																	
L.P. EXHAUST																	
CONDENSATE																	
CIRC. WATER IN																	
CIRC. WATER OUT																	
L.O. TO COOLERS																	
L.O. FROM COOLERS																	
TEMPERATURE THRUST BEARING																	
FORWARD H.P. ROTOR BEARING																	
GENERATORS																	
WATCH																	
GENERATOR NUMBER																	
R.P.M.																	
STEAM PRESSURE																	
STEAM TEMP.																	
L.O. PRESSURE																	
L.O. TO COOLER																	
L.O. FROM COOLER																	
TEMP. OF HOTTEST BEARING																	
L.O. GOVERNOR PRESSURE																	
AMPS POSITIVE																	
AMPS NEGATIVE																	
VOLTS																	
1200 TO 1600																	
1600 TO 2000																	
2000 TO 2400																	
2400 TO 0400																	
0400 TO 0800																	
0800 TO 1200																	
FUEL - WATER AND LUBE OIL																	
METER AT NOON																	
METER PREVIOUS NOON																	
CONSUMED BY METER																	
ON HAND AT START OF DAY																	
RECEIVED DURING DAY																	
EXPENDED DURING DAY																	
REMAINING ON BOARD																	
ON HAND AT START OF DAY																	
EVAPORATED OR RECEIVED																	
ON HAND																	
CONSUMED																	
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																	
L.O. CENTRIFUGE - HOURS OPERATED																	
1200 TO 1600																	
1600 TO 2000																	
2000 TO 2400																	
2400 TO 0400																	
0400 TO 0800																	
0800 TO 1200																	
SUMMARY																	
RUNNING TIME																	
DETENTION TIME																	
TOTAL REVOLUTIONS																	
AVERAGE R.P.M.																	
TOTAL MILES BY ENGINE																	
TOTAL MILES BY OBSERVATION																	
PERCENT OF SLIP																	
BBL FUEL/MI																	
WIND DIRECTION																	
STATE OF SEA																	
STATE OF WEATHER																	

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH 4 IN OPERATION - #1 & #2 BLES - & F.D. FANS - #1 & #2 D.C. GEN'S -
 #1 & #2 M.N. FD PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M.N. COND. PUMPS - M.N. CIRC. PUMP - L.O.
 SERVICE PUMP - M.N. AIR COMP - L.O. PURIFIER - F.W. PUMP - STBD STEERING MOTOR - M.N. AIR
 FEEDER - A.C. UNIT / ROUTINE TESTS & INSPECTIONS

HP & L. P. END PLAY - 010

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILER
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William W. Leggett

2000-2400 WATCH

As Before, except; Set clock back 20 minutes @ 2300 - changed to
 Inboard Settler @ 2330 - Bumped #4^s cargo hold & frg. spec Bilge

WATCH ENGR'S SIGNATURE -

C. J. Fry

2400-0400 WATCH

SAME AS BEFORE

COMPLIED WITH NITE ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

M. Fox

0400-0800 WATCH

AS BEFORE

Routine Watch

Retried Clock 20 min @ 0500:

WATCH ENGR'S SIGNATURE -

William W. Leggett

0800-1200 WATCH

Machinery as Before, except; Blew Tubes #1 & #2 Boilers 0800-0820 - changed &
 cleaned Fuel Oil Hot Strainers & Burners - Test Ran #1 & #2 Lifboat Motors -
 Steering Casualty Drill SBE @ 1017 HT @ 1031 - changed to Outboard Settler @
 1015 - added 5 Gal. Lube oil #1 Feed Pump - Bumped frg. spec Bilge

WATCH ENGR'S SIGNATURE -

C. J. Fry

#1 F.O.M. 2170480 #2 F.O.M. 5493070 CTR. 74472600

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

	PORT	STBD
PA	1226	1226
TA	1460	1460
CH	373	331
PG ⁴	35	35
SC ³	45	45
SH	2168	2136

CHIEF ENGR'S SIGNATURE -

M. E. Johnson

USNS GEN POPE TAP 110 VOYAGE NO. 2-F FROM HONOLULU TO VIETNAM TYPE OF VESSEL P2S2R2 DATE 3-8/9-66

		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			AFT. H. P. ROTOR BEARING	137	135	136	138	135	136		
DETENTION TIME										FORWARD L. P. ROTOR BEARING	133	129	130	130	126	135		
REVOLUTION COUNTER (END OF WATCH)		7449 5200	12216	7454 0370	7456 3020	85570	7460 8180			AFT. L.P. ROTOR BEARING	130	130	130	130	129	130		
TOTAL REVOLUTIONS (FOR WATCH)		22600	22510	22660	22650	22550	22610			HOTTEST GEAR BEARING FORWARD	147	145	145	147	148	146		
AVERAGE RPM		942	93.8	94.3	94.4	94.6	94.2			HOTTEST GEAR BEARING AFT	150	147	148	150	148	148		
F.O. METER (END OF WATCH)		5494530 217820	94530 23180	5497370 214520	78800 25860	00280 77200	5501740 2178570			AUX. COND. CONDENSATE	105	104	104	105	105	105		
F.O. CONSUMED		2800	2780	2760	2770	2820	2830			1ST STAGE FEED WATER HEATER	161	159	160	161	160	161		
PRESSURES		THROTTLE	445	445	445	445	445	445			D. C. FEED WATER HEATER	240	240	240	238	240	241	
		H.P. AHEAD	430	430	430	430	430	430	430			3RD STAGE FEED WATER HEATER						
		L.P. AHEAD	21	21	21	22	22	22	22			F.O. TO BURNERS	150	150	150	150	150	150
		VACUUM	27.5"	27.4	27.5"	27.5"	27.1	27.1"	27.1"			F. O. BACK PRESSURE						
		L.O. TO TURBINES	13	13	13	13	13	13	13			AIR TO FURNACE	136	136	138	134	134	138
		AUX. STEAM	150	150	150	150	150	150	150			UPTAKE	340 255	325	325 255	325 260	330	330 255
		BACK PRESSURE	9	9	9	9	9	9	9			MAIN STEAM	710	720	715	715	718	710
		GLAND STEAM		0.5			0.5					SUPER HEAT	735 640	740	740 640	735 635	740	740 635
		H.P. BLEEDER	70	70	70	70	70	70	70			F.O. TO BURNERS	180	180	185	190	190	195
		I.P. BLEEDER	7	7	7	7	7	7	7			F.O. TEMP. IN SETTLING TANKS	92 88	96	94 88	93 92	94 92	90 90
TEMPERATURES		L.P. BLEEDER	12	10	12	12	10	11			PORT BOILER UPTAKE							
		STEAM AT THROTTLE	680	685	690	685	685	685	685			STBD. BOILER UPTAKE						
		L.P. EXHAUST	116	115	116	113	114	115	115			ENGINE ROOM TEMPERATURE						
		CONDENSATE	105	104	104	105	105	105	105			FIRE ROOM TEMPERATURE	109		108	107		110
		CIRC. WATER IN	83	84	84	83	82	84	84			NOZZLES IN USE	16	16	16	16	16	16
		CIRC. WATER OUT	93	94	94	94	94	94	94			NO. OF BURNERS IN USE	6	6	6	6	6	6
		L.O. TO COOLERS	126	127	126	126	126	126	126			BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
		L.O. FROM COOLERS	109	109	109	109	109	109	109			CO2 % PORT BOILER						
		TEMPERATURE THRUST BEARING	116	116	117	117	116	117	117			CO2 % STBD. BOILER						
		FORWARD H.P. ROTOR BEARING	120	119	120	120	119	120	120			OIL LEVEL MAIN SUMP	Norm	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
1200 TO 1600	1	1200	445		9	124	114		62	1400	1400
	2	1200	445		7	146	133		69	1400	1400
1600 TO 2000	1	1200	445		9	124	112		62	1400	1400
	2	1200	445		7	146	132		70	1400	1400
2000 TO 2400	1	1200	445		9	122	112		62	1400	1400
	2	1200	445		7	145	133		70	1400	1400
2400 TO 0400	1	1200	445		9	123	113		62	1250	1250
	2	1200	445		7	146	133		70	1250	1250
0400 TO 0800	1	1200	445		9	122	110		62	1400	1400
	2	1200	445		7	144	132		70	1400	1400
0800 TO 1200	1	1200	445		9	123	113		62	1400	1400
	2	1200	445		7	145	132		68	1400	1400

FUEL - WATER AND LUBE OIL											
FUEL OIL						BOILER WATER					
METER AT NOON 28570 0174						ON HAND AT START OF DAY					
METER PREVIOUS NOON 28809 93070						EVAPORATED OR RECEIVED					
CONSUMED BY METER 11740						ON HAND					
ON HAND AT START OF DAY 13003						CONSUMED					
RECEIVED DURING DAY						ON HAND AT START OF DAY					
EXPENDED DURING DAY 399/352						RECEIVED					
REMAINING ON BOARD 12268						ON HAND					
ON HAND AT START OF DAY 1433						CONSUMED					
EVAPORATED OR RECEIVED						DIE 2000					
ON HAND 1447											
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 2442						PERCENT OF SLIP					
DETENTION TIME						BBL FUEL/MI					
TOTAL REVOLUTIONS 13558						WIND DIRECTION					
AVERAGE R.P.M. 94.1						STATE OF SEA					
TOTAL MILES BY ENGINE 50.2						STATE OF WEATHER					
TOTAL MILES BY OBSERVATION 432											

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH'Y IN OPERATION - #1 & #2 BLRS. & F.D. FANS - #1 & #2 D.C. GEN'S. -
 #1 & #2 M.N. F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M.N. COND. PUMPS - L.O. SERVICE PUMP -
 M.N. CIRC. PUMP - M.N. AIR COMP. - L.O. PURIFIER - F.W. PUMP - STBD. STEERING MOTOR - A.C. UNIT -
 M.N. AIR EJECTOR / ROUTINE TESTS & INSPECTIONS

HP & L.P. END PLAY O.I.O

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

2000-2400 WATCH

AS BEFORE EXCEPT; changed to Inboard Sitter @ 2330 - Pumped Eng. Space
 & #4 Bilge -

WATCH ENGR'S SIGNATURE-

C. W. Frey

2400-0400 WATCH

SAME AS BEFORE EXCEPT E.R. BILGES DRY

COMPLIED WITH NITE ORDERS

ROUTINE TESTS & INSPECTIONS

WATCH ENGR'S SIGNATURE-

M. Fox

0400-0800 WATCH

AS BEFORE, EXCEPT

AUX. CIRC. PUMP IN SERVICE:

COMPLIED W/OENT ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

0800-1200 WATCH

Machinery as Before, Except; Blew Tubes #1 & #2 Boilers 0800-0820 - changed &
 cleaned Fuel oil Hot Strainers & Burners - Test Ran #1 & #2 Lifeboat Motors -
 changed to Outboard Sitter @ 1030 - Pumped Eng. Space Bilge -

WATCH ENGR'S SIGNATURE-

C. W. Frey

#1 F.O.M. 2178570 #2 F.O.M. 5501740 CTR. 74608180

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

9	PORT	STAR
PA	1226	1226
TA	1460	1460
CH	4.14	3.31
DO	50	35
SO	45	45
SH	2192	2160

CHIEF ENGR'S SIGNATURE-

M. Fox

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
GEN. POPE TAP 110		2 F		HONOLULU		VIETNAM		P2S2R2		3-9/10-66			
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)		7463 0870	53390	7467 7880	2470 2460	2700 2700	7474 9970						
TOTAL REVOLUTIONS (FOR WATCH)		22690	22520	24490	24580	24500	22710						
AVERAGE RPM		94.5	93.8	94.1	94.5	94.2	94.6						
F.O. METER (END OF WATCH)		250390 2179950	04660 81320	5506240 2184760	07830 84260	89440 85760	5510880 2187120						
F.O. CONSUMED		2830	2840	3020	3090	3110	2800						
PRESSURES								TEMPERATURES (CONT'D)					
THROTTLE		440	440	440	440	440	445	AFT. H. P. ROTOR BEARING					
H.P. AHEAD		425	425	425	425	425	430	FORWARD L. P. ROTOR BEARING					
L.P. AHEAD		23	22.5	22	23	22.5	23	AFT. L.P. ROTOR BEARING					
VACUUM		27"	27	27"	27"	27.2	27.1"	HOTTEST GEAR BEARING FORWARD					
L.O. TO TURBINES		13	13	13	13	13	13	HOTTEST GEAR BEARING AFT					
AUX. STEAM		150	150	150	150	150	150	AUX. COND. CONDENSATE					
BACK PRESSURE		9	9	9	9	9	9	1ST STAGE FEED WATER HEATER					
GLAND STEAM			0.5		0.5	0.5		D. C. FEED WATER HEATER					
H.P. BLEEDER		70	70	70	70	70	70	3RD STAGE FEED WATER HEATER					
I.P. BLEEDER		7	7	7	7	7	7	F.O. TO BURNERS					
L.P. BLEEDER		12	10	12	12	10	12	F.O. BACK PRESSURE					
STEAM AT THROTTLE		680	690	685	680	685	695	AIR TO FURNACE					
L.P. EXHAUST		115	118	115	117	117	119	UPTAKE					
CONDENSATE		105	105	103	105	104	105	MAIN STEAM					
CIRC. WATER IN		84	84	83	85	81	84	SUPER HEAT					
CIRC. WATER OUT		94	94	93	94	92	95	F.O. TO BURNERS					
L.O. TO COOLERS		126	127	126	125	126	127	F.O. TEMP. IN SETTLING TANKS					
L.O. FROM COOLERS		109	109	108	108	108	109	PORT BOILER UPTAKE					
TEMPERATURE THRUST BEARING		117	116	117	115	115	117	STBD. BOILER UPTAKE					
FORWARD H.P. ROTOR BEARING		120	119	120	118	116	120	ENGINE ROOM TEMPERATURE					
								FIRE ROOM TEMPERATURE					
								NOZZLES IN USE					
								NO. OF BURNERS IN USE					
								BURNER TIP SIZE					
								CO2 % PORT BOILER					
								CO2 % STBD. BOILER					
								OIL LEVEL MAIN SUMP					
GENERATORS													
WATCH		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600		1	1200	440		9	125	115		62	1400	1400	240
		2	1200	440		7	146	133		69	1400	1400	240
1600 TO 2000		1	1200	440		9	124	113		62	1400	1400	240
		2	1200	440		7	146	134		70	1400	1400	240
2000 TO 2400		1	1200	440		9	123	112		62	1350	1350	240
		2	1200	440		7	145	132		70	1350	1350	240
2400 TO 0400		1	1200	440		9	122	113		62	1400	1400	240
		2	1200	440		7	146	133		69	1400	1400	240
0400 TO 0800		1	1200	440		9	120	110		62	1400	1400	240
		2	1200	440		7	144	130		70	1400	1400	240
0800 TO 1200		1	1200	445		9	121	111		62	1350	1350	240
		2	1200	445		7	146	133		70	1350	1350	240
FUEL - WATER AND LUBE OIL													
FUEL OIL		METER AT NOON		METER PREVIOUS NOON		CONSUMED BY METER		ON HAND AT START OF DAY		ON HAND		CONSUMED	
						16760		12258					
DOMESTIC WATER		ON HAND AT START OF DAY		EXPENDED DURING DAY		REMAINING ON BOARD		ON HAND AT START OF DAY		ON HAND		CONSUMED	
		1447		399367		11502		1447					
		EVAPORATED OR RECEIVED						D.I.E 2000					
		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 1/2	4 1/3	4 1/3	4							
SUMMARY													
RUNNING TIME		25423		PERCENT OF SLIP									
DETENTION TIME				BBL FUEL/MI									
TOTAL REVOLUTIONS		4179		WIND DIRECTION									
AVERAGE R.P.M.		94.5		STATE OF SEA									
TOTAL MILES BY ENGINE		525		STATE OF WEATHER									
TOTAL MILES BY OBSERVATION		456											

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH 4 IN OPERATION - #1 & #2 BLWS & F.D. FANS - #1 & #2 D.C. GEARS -
 #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M.V. F.D. PUMPS - #1 & #2 M.V. COND. PUMPS - 1 M.V. Circ. Pump - L.O.
 SERVICE PUMP - L.O. PURIFIER - M.V. AIR COMP - F.W. PUMP - FIRE PUMP - A.C. UNIT - STBD.
 STEERING MOTOR / SECURED AUX CIRC. PUMP - ROUTINE TESTS & INSPECTIONS

14 R. ELP END DAY. 000

1600-2000 WATCH

AS BEFORE

BLEW TUBES 12/5 BOILERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

2000-2400 WATCH

Machinery as before, except; Set clock back 20 minutes @ 2300 -
 Changed to Inboard Settler @ 2300 - Pumped 4⁵ of Eng. Space Bilges.

WATCH ENGR'S SIGNATURE-

C. W. Frey

2400-0400 WATCH

SAME AS BEFORE

COMPLIED WITH NITE ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

M. Fox

0400-0800 WATCH

AS BEFORE

COMPLIED W/DEPT ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

0800-1200 WATCH

As before, except; Permission given by Mr. Sessions, 3rd Mate to blow tubes
 @ 0810 - Blew same 0810-0835 - changed & cleaned Fuel oil hot strainers &
 Burners - changed to outboard Settler @ 0930 - Mr. Clemens & Ship's
 Force overhauling Bilge Valves -

WATCH ENGR'S SIGNATURE-

C. W. Frey

#1 FOM 2187120 #2 FOM 5510880 CTR- 74749770

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

10	PORT	STBD
PA	10.51	11.10
TA	13.43	2.4
CH	4.14	3.73
PO ⁴	30	35
SO ³	45	45
SH	2216	2184

CHIEF ENGR'S SIGNATURE-

M. Fox

USNS		VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. ROPE TAP/110		Z-F	HONOLULU	VIETNAM	P252R2	3-10/11-66
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)	7477 2450	95180	7481 7840	7484 0470	62920	7488 5450
TOTAL REVOLUTIONS (FOR WATCH)	22680	22730	22660	22630	22500	22480
AVERAGE RPM	94.5	94.7	94.4	94.3	938	93.6
F.O. METER (END OF WATCH)	5512340 2188490	5512340 2188490	5515240 2191240	5515240 2191240	5515240 2191240	5515240 2191240
F.O. CONSUMED	2830	2800	2870	2820	2860	2870
WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
AFT. H. P. ROTOR BEARING	138	135	137	137	133	136
FORWARD L. P. ROTOR BEARING	132	130	132	133	132	125
AFT. L. P. ROTOR BEARING	130	128	130	130	129	130
HOTTEST GEAR BEARING FORWARD	148	145	146	148	145	146
HOTTEST GEAR BEARING AFT	150	148	149	150	148	148
AUX. COND. CONDENSATE	106	106	106	107	106	106
1ST STAGE FEED WATER HEATER	161	159	160	161	160	160
D. C. FEED WATER HEATER	240	240	240	240	240	241
3RD STAGE FEED WATER HEATER						
F.O. TO BURNERS	145	145	145	145	145	145
F. O. BACK PRESSURE						
AIR TO FURNACE	134	136	138	138	136	135
UPTAKE	330 260	325 260	325 260	330 260	330 260	330 260
MAIN STEAM	715	715	710	710	715	715
SUPER HEAT	240 630	735	735 635	735 635	740	740 635
F.O. TO BURNERS	190	190	190	190	195	200
F.O. TEMP. IN SETTLING TANKS	80 86	9286	92 86	92 91	92 92	88 92
PORT BOILER UPTAKE		4.0		4.0	4.0	4
STBD. BOILER UPTAKE		4.0		4.0	4.0	4
ENGINE ROOM TEMPERATURE		100	109		100	110
FIRE ROOM TEMPERATURE			109			110
NOZZLES IN USE	16	16	16	16	16	16
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/20	53/20	53/20	53/20	53/20	53/20
CO ₂ % PORT BOILER						
CO ₂ % STBD. BOILER						
OIL LEVEL MAIN SUMP	NORM	N	N	NORM	N	N

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH' IN OPERATION - #1 & #2 BLES & F.D. PANS - #1 & #2 D.C. GENS -
 #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M.V. FD. PUMPS - #1 & #2 M.V. COND. PUMPS - M.V. CIRC. PUMP -
 M.V. AIR COMP. - L.O. SERVICE PUMP - L.O. PURIFIER - M.V. AIR ESTEER - F.W. PUMP - A.C.
 UNIT - STBD STEERING MOTOR / ROUTINE TESTS & INSPECTIONS - FWT. BARBER RELIEVED
 BY UTILITYMAN MCCENWELL @ 1430 - BARBER EXPERIENCING DIZZY SPELLS DUE TO HIGH FEVER - FIRE DRILL
 & STBY @ 1515 SECURED FROM FIRE DRILL @ 1520 - BOAT DRILL @ 1520 1/2 - ~~SECURED FROM DRILL & HT @ 1549~~
 HP & LP EMD PMS - 010 CH. ENGR. IN E.R. DURING DRILLS.

WATCH ENGR'S SIGNATURE -

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILERS
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

2000-2400 WATCH

As Before, Except; changed to Inboard Settler @ 2320 - Pumped
 Eng. Spaces Bilges -

WATCH ENGR'S SIGNATURE -

2400-0400 WATCH

SAME AS BEFORE

COMPLIED WITH NITE ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

0400-0800 WATCH

AS BEFORE

COMPLIED W/DEPT ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

0800-1200 WATCH

Machinery as Before; Except; Blew Tubes #1 & #2 Boilers 0800-0820 - changed
 & cleaned Fuel oil Hot Strainers & Burners - changed & cleaned Generator Lube
 oil Strainers - changed to outboard Settler @ 1015 - Pumped Eng. Spaces Bilges -

WATCH ENGR'S SIGNATURE -

#1 FOM. 2195370 #2 FOM 5519650 CTR-74885450

CHIEF ENGINEER

11	PORT	STBD
PA	1226	1110
TA	1460	1402
CH	414	331
PO	35	35
SO	45	32
SH	2740	2708

CHIEF ENGR'S SIGNATURE -