

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									137	135	136	137	136	137
DETENTION TIME									129	130	123	132	130	130
REVOLUTION COUNTER (END OF WATCH)									130	130	130	130	128	130
TOTAL REVOLUTIONS (FOR WATCH)									148	143	147	147	145	147
AVERAGE RPM									150	147	148	150	148	148
F.O. METER (END OF WATCH)									106	106	106	108	108	109
F.O. CONSUMED									160	160	160	161	160	161
									238	240	240	240	240	241
									145	145	145	145	145	145
									138	138	136	136	135	138
									330 260	330 260	330 260	330 260	335 260	335 260
									710	720	710	710	715	715
									735 635	735	735 635	740 625	740	740 635
									200	200	200	200	200	200
									92 88	90 88	92 90	94 90	94 92	92 88
										4.0			4.0	
										4.0			4.0	
											107		100	109
											107			109
									16	16	16	16	16	16
									6	6	6	6	6	6
									53/20	53/20	53/20	53/20	53/20	53/20
</														

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	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND		
1200 TO 1600	1	1200	445		9	125	116		62	1400	1400	240	METER PREVIOUS NOON	8470/3680	ON HAND AT START OF DAY			
	2	1200	445		7	148	134		70	1400	1400	240	CONSUMED BY METER	850/5370	EVAPORATED OR RECEIVED			
1600 TO 2000	1	1200	445		9	124	114		62	1400	1400	240	ON HAND AT START OF DAY	8820/8310	ON HAND			
	2	1200	445		7	148	136		70	1400	1400	240	RECEIVED DURING DAY	10749	CONSUMED			
2000 TO 2400	1	1200	445		9	125	115		62	1350	1350	240	EXPENDED DURING DAY	407/888	ON HAND AT START OF DAY			
	2	1200	445		7	147	134		70	1350	1350	240	REMAINING ON BOARD	10032	RECEIVED			
0400 TO 0800	1	1200	445		9	123	113		62	1300	1300	240	ON HAND AT START OF DAY		ON HAND			
	2	1200	445		7	146	133		70	1300	1300	240	EVAPORATED OR RECEIVED		CONSUMED			
0800 TO 1200	1	1200	445		9	123	113		62	1350	1350	240	ON HAND		DIE 2000			
	2	1200	445		7	146	133		70	1350	1350	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 HRS	PERCENT OF SLIP				
DETENTION TIME													BBL FUEL/MI					
TOTAL REVOLUTIONS													13576	WIND DIRECTION				
AVERAGE R.P.M.													94.3	STATE OF SEA				
TOTAL MILES BY ENGINE													502	STATE OF WEATHER				
TOTAL MILES BY OBSERVATION													442					

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES MACH'Y IN OPERATION - 1#2 BLS & FD FANS - 1#2 DC GEN -
 1#2 1/4" FD PUMPS - 1#2 FO. SERVICE PUMPS - 1#2 1/4" COND PUMPS - 1/4" CIRC. PUMP - F.W.
 PUMP - M/AIR COMP - L.O. SERVICE PUMP - L.O. PURIFIER - A.C. UNIT - M/AIR FILTER - STBD
 STEERING MOTOR / EMER. DIESEL GEN TEST RUN FROM 1300 TO 1400 @ 200 AMPS. - LOWER
 LEVEL GAGE GLASS #2 BLS BLEW - SECURED SAME - ROUTINE WATCH OTHERWISE

HP & LP ENDRAY.070

WATCH ENGR'S SIGNATURE-

William H. Leggett

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

C. J. Frey

2000-2400 WATCH

as before, except; changed to Inboard Settler @ 2310 - Pumped Engine
 Space Bilges -

WATCH ENGR'S SIGNATURE-

M. F. of

2400-0400 WATCH

SAME AS BEFORE EXCEPT SPLIT THE PLANT
 COMPLIED WITH NITE ORDERS
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William H. Leggett

0400-0800 WATCH

AS BEFORE

COMPLIED W/DEPT ORDERS
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

C. J. Frey

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.
 Space Bilges

WATCH ENGR'S SIGNATURE-

M. F. of

#1 FOH - 2203680 #2 FOH - 5528470 CTR - 75021210

CHIEF ENGINEER

12	PORT	STBD
PA	1051	1285
TA	1343	1577
CH	414	331
PO	35	35
SO	45	42
SH	2264	2232

CHIEF ENGR'S SIGNATURE-

M. F. of

USNS		VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE						
GEN POP TAP 110		2 F	HONOLULU	VIETNAM	P2S2R2	312/13-66						
		WATCH					WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200					
RUNNING TIME		180										
DETENTION TIME												
REVOLUTION COUNTER (END OF WATCH)		7504 03700										
TOTAL REVOLUTIONS (FOR WATCH)		16100										
AVERAGE RPM		89.4										
F.O. METER (END OF WATCH)		30500 05540	6530930 2205890	31310 06230	31710 06580	3532110 2206940						
F.O. CONSUMED		700	880	720	750	760						
MACHINERY PARTICULARS	THROTTLE											
	H.P. AHEAD	✓										
	L.P. AHEAD											
	VACUUM		27.28 27.28	26.5 26.528	28 28	26.5 27.28	26.5 26.528					
	L.O. TO TURBINES	A	13	13	13	13	13					
	AUX. STEAM		150	150	150	150	150					
	BACK PRESSURE		9	9	9	9	9					
	GLAND STEAM	R	3.0	3	2	2	2					
	H.P. BLEEDER											
	L.P. BLEEDER	1										
MACHINERY PARTICULARS	STEAM AT THROTTLE											
	L.P. EXHAUST		122 125	126 130	137 157	146	128 137	124 128	132	132		
	CONDENSATE	0	94	95	89	88	89					
	CIRC. WATER IN		86	85	85	84	84					
	CIRC. WATER OUT	U	88	100	100	86	86					
	L.O. TO COOLERS		110	110	110	110	110					
	L.O. FROM COOLERS	S	106									
	TEMPERATURE THRUST BEARING											
	FORWARD H.P. ROTOR BEARING											
MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING											
	FORWARD L. P. ROTOR BEARING	M										
	AFT. L.P. ROTOR BEARING											
	HOTTEST GEAR BEARING FORWARD											
	HOTTEST GEAR BEARING AFT	A										
	AUX. COND. CONDENSATE		94	95	89	86	89					
	1ST STAGE FEED WATER HEATER	N	108	110								
	D. C. FEED WATER HEATER		240	241	240	240	240					
	3RD STAGE FEED WATER HEATER											
MACHINERY PARTICULARS (CONT'D)	F.O. TO BURNERS	12	145	145	145	145	145					
	F. O. BACK PRESSURE											
	AIR TO FURNACE		130	130	126	123	125					
	UPTAKE	U	260 235	260 235	250 225	275 245	275 245					
	MAIN STEAM		520									
	SUPER HEAT	✓	660 530		655 545	660 545	660 545					
	F.O. TO BURNERS		240		235	240	220					
	F.O. TEMP. IN SETTLING TANKS		92 90	92 90	93 90	92 90	92 90					
	PORT BOILER UPTAKE	R	1.2	1.2		1.0	1.4					
	STBD. BOILER UPTAKE		0.8	.8		0.5	1					
MACHINERY PARTICULARS (CONT'D)	ENGINE ROOM TEMPERATURE											
	FIRE ROOM TEMPERATURE											
	NOZZLES IN USE											
	NO. OF BURNERS IN USE	U	2	2	2	2	2					
	BURNER TIP SIZE											

REMARKS

1200-1600 WATCH

MANEUVERING TO ANCHORAGE IN HARBOR @ VINTAGE - ARRIVAL @ 1430 - F.O.M. -
P-5529880 S-2204680 CTR-75037310 - BELLS AS PER BELL BOOK

WATCH ENGR'S SIGNATURE-

William W. Leggett

1600-2000 WATCH

BELLS AS PER BOOK FIVE @ 1630; RPM IND. 75040630; F.O.M. - P 5530120
F.O.M. - S. 2205220; MN UNIT ON JACKING GEAR @ 1633;

BLEW TUBES P/S BOILER:

ROUTINE WATCH

WATCH ENGR'S SIGNATURE

W. Leggett

2000-2400 WATCH

Machinery as Before, except; changed to Inboard helter @ 2315 - Pumped
Eng. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Roe

2400-0400 WATCH

AS BEFORE EXCEPT SECURED STEERING MOTOR B/O BRIDGE

COMPLIED WITH NITE ORDERS

ROUTINE PORT WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

0400-0800 WATCH

AS BEFORE

ROUTINE WATCH

COMPLIED W/DEPT ORDERS

WATCH ENGR'S SIGNATURE

W. Leggett

0800-1200 WATCH

Machinery as Before, except; Blew Tubes #1 & 2 Boilers 0800-0820-
changed & cleaned Fuel oil Burners - Replaced Lower Stages
#2 Boiler - Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Roe

#1 FOM- 2206940 #2 FOM- 5532110

CHIEF ENGINEER

13	PORT	STBD
PA	9.93	1051
TA	1285	1343
CH	4.14	3.31
PO	30	30
SO	55	42
SH	2288	2254

CHIEF ENGR'S SIGNATURE-

M. Roe

WATCH							WATCH						
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)													
F.O. CONSUMED													
PRESSURES	THROTTLE						TEMPERATURES	AFT. H. P. ROTOR BEARING					
	H.P. AHEAD							FORWARD L. P. ROTOR BEARING					
	L.P. AHEAD							AFT. L.P. ROTOR BEARING					
	VACUUM	28.5	28.75	28.	28.9	27.8		28	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	89	92.	92	94
	BACK PRESSURE	9	9	9	9	9		9	1ST STAGE FEED WATER HEATER				
	GLAND STEAM	2	2	2	2	2		2	D. C. FEED WATER HEATER	240	240	240	240
	H.P. BLEEDER								3RD STAGE FEED WATER HEATER				
	I.P. BLEEDER								F.O. TO BURNERS	145	145	145	145
L.P. BLEEDER							F. O. BACK PRESSURE						
TEMPERATURES	STEAM AT THROTTLE						PRESSURES	AIR TO FURNACE	126	123	122	124	
	L.P. EXHAUST	130	128	125	125	122		124	UPTAKE	250	240	245	280
	CONDENSATE	89	92	92	94	93		96	MAIN STEAM	270	275	275	225
	CIRC. WATER IN	85	86	85	85	85		84	SUPER HEAT	650	670	670	670
	CIRC. WATER OUT	85	88	87	85	86		86	F.O. TO BURNERS	560	560	560	555
	L.O. TO COOLERS	110	110	111	110	110		110	F.O. TEMP. IN SETTLING TANKS	190	200	210	210
	L.O. FROM COOLERS								PORT BOILER UPTAKE	91	92	92	92
	TEMPERATURE THRUST BEARING								STBD. BOILER UPTAKE	94	94	94	97
	FORWARD H.P. ROTOR BEARING								ENGINE ROOM TEMPERATURE			103	
									FIRE ROOM TEMPERATURE			103	
							MISCELLANEOUS	NOZZLES IN USE					
								NO. OF BURNERS IN USE	2	2	2	2	
								BURNER TIP SIZE	53/60	53/60	56/60	53/60	
								CO ₂ % PORT BOILER					
								CO ₂ % STBD. BOILER					
								OIL LEVEL MAIN SUMP	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	FUEL OIL	WATER	BOILER	LUBE OIL	DOMESTIC WATER	
1200 TO 1600	1	1200	440		9	123	113		63	1150	1150	METER AT NOON	2480	ON HAND AT START OF DAY			
	2	1200	440		7	146	133		70	1150	1150	METER PREVIOUS NOON	2410	EVAPORATED OR RECEIVED			
1600 TO 2000	1	1200	440		9	122	112		62	1250	1250	CONSUMED BY METER	4440	ON HAND			
	2	1200	440		7	144	132		70	1250	1250	ON HAND AT START OF DAY	9795	CONSUMED			
2000 TO 2400	1	1200	440		9	122	112		62	1200	1200	RECEIVED DURING DAY		ON HAND AT START OF DAY			
	2	1200	440		7	145	133		70	1200	1200	EXPENDED DURING DAY	10357	RECEIVED			
2400 TO 0400	1	1200	440		9	122	112		62	1150	1150	REMAINING ON BOARD	9639	ON HAND			
	2	1200	440		7	145	133		70	1150	1150	ON HAND AT START OF DAY		CONSUMED			
0400 TO 0800	1	1200	440		9	122	110		62	1150	1150	EVAPORATED OR RECEIVED					
	2	1200	440		7	144	132		70	1150	1150	ON HAND					
0800 TO 1200	1	1200	440		9	123	114		62	1300	1300	CONSUMED					
	2	1200	440		7	146	133		70	1300	1300						
												LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
												L.O. CENTRIFUGE - HOURS OPERATED					
												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
												SUMMARY					
												RUNNING TIME		PERCENT OF SLIP			
												DETENTION TIME		BBL FUEL/MI			
												TOTAL REVOLUTIONS		WIND DIRECTION			
												AVERAGE R.P.M.		STATE OF SEA			
												TOTAL MILES BY ENGINE		STATE OF WEATHER			
												TOTAL MILES BY OBSERVATION					

REMARKS

1200-1600 WATCH

@ ANCHOR - MAINTAINING VACUUM ON MN. UNIT - JACKING GEAR ENGAGED - MACH'S IN OPERATION - #1 & 2 BURS & F.D. FANS - #1 & 2 D.C. GENS - MN. & AUX. AIR EJECTORS - MN. & AUX. CIRC. PUMPS - #1 & 2 MN. F.D. PUMPS - #1 & 2 F.O. SERVICE PUMP - #1 & 2 MN. COND. PUMPS - MN. AIR COMP. - H.O. SERVICE PUMP - F.W. PUMP / ROUTINE PORT WATCH -

WATCH ENGR'S SIGNATURE-

William H. Lyggett

1600-2000 WATCH

As Before
Blew Tubes #1 & 2 Boilers
Routine Watch.

WATCH ENGR'S SIGNATURE-

C. W. Fry

2000-2400 WATCH

As Before, Except; changed & cleaned Fuel oil Hot Strainers -
@ 2025 a minor fire was put out by pulling elect. plug on motor for water cooler
on ice making machine @ Frame 3-92-1 3rd. Deck - Bridge notified - Pumped 4⁵ &
Eng. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

As Before

COMPLIED WITH AITE ORDERS

WATCH ENGR'S SIGNATURE-

William H. Lyggett

0400-0800 WATCH

As Before

COMPLIED W/DEPT ORDERS
ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

C. W. Fry

0800-1200 WATCH

Machinery as Before, except; Blew Tubes #1 & 2 Boilers 0800-0820 - changed &
cleaned Fuel oil Hot Strainers & Burners - Preparing Plant for shifting ship - Disengaged J. Star
& opened Steps & Warming Engine @ 0925 - S.B.E. @ 0945 #1 FOM 2208760 #2 FOM 5534240 CTR-75041540
Bells on Bow Bell Book - F.W.E. @ 1040 #1 FOM 2208910 #2 FOM-5534390 CTR-75042020 - Main Unit on
Jacking Gear - changed to outboard Settler @ 1130 - Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

#1 F.O.M.-2209000 #2 F.O.M.-5534490

CHIEF ENGINEER

14	PORT	STBD
PA	1051	1226
TA	1343	1460
CH	414	331
PO ⁴	30	35
SO ³	42	50
SH	2314	2278

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	
RUNNING TIME													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)													
F.O. CONSUMED													
MACHINERY PARTICULARS	PRESSURES	THROTTLE					MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING				
		H.P. AHEAD							FORWARD L. P. ROTOR BEARING				
		L.P. AHEAD							AFT. L.P. ROTOR BEARING				
		VACUUM	28"	27 1/2"	28"	28"			HOTTEST GEAR BEARING FORWARD				
		L.O. TO TURBINES	13	13	13	13			HOTTEST GEAR BEARING AFT				
		AUX. STEAM	150	150	150	150			AUX. COND. CONDENSATE	95	88	90	98
		BACK PRESSURE	9	9	9	9			1ST STAGE FEED WATER HEATER				
		GLAND STEAM	2	2	2	2			D. C. FEED WATER HEATER	241	240	241	240
		H.P. BLEEDER							3RD STAGE FEED WATER HEATER				
		L.P. BLEEDER							F.O. TO BURNERS	145	145	145	145
TEMPERATURES	PRESSURES	STEAM AT THROTTLE					BOILER PARTICULARS	TEMPERATURES	F. O. BACK PRESSURE				
		L.P. EXHAUST	122	124 1/2	140	135			AIR TO FURNACE	130	125	126	125
		CONDENSATE		88	90				UPTAKE	295 230	290 240	290 230	300 240
		CIRC. WATER IN	85	85	85	85			MAIN STEAM				
		CIRC. WATER OUT	85	86	86	85			SUPER HEAT	645 555	660 635	655 560	660 640
		L.O. TO COOLERS	110	110	110	110			F.O. TO BURNERS	230	240	230	235
		L.O. FROM COOLERS							F.O. TEMP. IN SETTLING TANKS	93 88	92 88	94 90	94 90
		TEMPERATURE THRUST BEARING							PORT BOILER UPTAKE		1.5		0.7
		FORWARD H.P. ROTOR BEARING							STBD. BOILER UPTAKE		1.2		0.3
							MISCELLANEOUS	TEMPERATURES	ENGINE ROOM TEMPERATURE		104		105
									FIRE ROOM TEMPERATURE		104		105
									NOZZLES IN USE				
									NO. OF BURNERS IN USE	2	2	2	2
									BURNER TIP SIZE	53/60	53/60	53/60	53/60
									CO2 % PORT BOILER				
									CO2 % STBD. BOILER				
									OIL LEVEL MAIN SUMP	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		DOMESTIC WATER			
1200 TO 1600	1	1200	440		9	124	113		63	1200	1200	240	METER AT NOON	840/1140	ON HAND AT START OF DAY			
													METER PREVIOUS NOON	440/9000	EVAPORATED OR RECEIVED			
1600 TO 2000	2	1200	440		7	145	133		69	1200	1200	240	CONSUMED BY METER	2350/2140	ON HAND			
	1	1200	440		9	124	112		63	1300	1300	240	ON HAND AT START OF DAY	9639	CONSUMED			
2000 TO 2400	2	1200	440		7	144	132		70	1300	1300	240	RECEIVED DURING DAY		ON HAND AT START OF DAY			
	1	1200	440		9	123	113		62	1200	1200	240	EXPENDED DURING DAY	106/146	RECEIVED			
2400 TO 0400	2	1200	440		7	145	133		70	1200	1200	240	REMAINING ON BOARD	9495	ON HAND			
	1	1200	440		9	123	113		62	1200	1200	240	ON HAND AT START OF DAY		CONSUMED			
0400 TO 0800	2	1200	440		7	145	133		70	1200	1200	240	EVAPORATED OR RECEIVED		DIE. 2000			
	1	1200	440		9	123	113		62	1200	1200	240	ON HAND					
0800 TO 1200	2	1200	440		7	144	132		70	1200	1200	240	CONSUMED					
	1	1200	440		9	122	112		62	1150	1150	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
													3	4	3	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

@ ANCHORAGE VIETNAM, MAINTAINING YACHTING GEAR ENGAGED - MACH'Y IN OPERATION - #1 & #2 BLKS & F.D. FANS - MN & AUX AIR EJECTORS - #1 & #2 D.C. GENS - #1 & #2 MN F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS - MN & AUX. CIRC. PUMPS - L.O. SERVICE PUMP - ~~L.O.~~ ^{PURIFIER} - MN AIR COMPRESSOR - F.W. PUMP - A.C. UNIT / TRANSFERRED L.O. FROM STORAGE TK TO SETTLING TK. / STBY @ 1535 ~~3~~ 1550 + 1555 2 1558 - SEC. BALLASTING 3 P/s @ 1559.

WATCH ENGR'S SIGNATURE -

William H. Leggett

1600-2000 WATCH

AS ABOVE EXCEPT STARTED BALLASTING 3 @ 1600: F.W.E @ 1625 JACHING GEAR ENGAGED: BLEW TUBES: ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

C. W. Fry

2000-2400 WATCH

As Before, Bilges @ Safe Level -

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

AS BEFORE - TRANSFERRING OIL - STORAGE TK. M.T. - L.O. PURIFIER ON SUMP TO SUMP COMPLIED WITH NITE ORDERS.

WATCH ENGR'S SIGNATURE -

William H. Leggett

0400-0800 WATCH

AS BEFORE
COMPLIED W/DEPT ORDERS
ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

C. W. Fry

0800-1200 WATCH

Machinery as Before, Except: Blew Tubes #1 & #2 Boilers 0800-0810 - changed & cleaned Fuel Oil Hot Strainers & Burners - changed & cleaned Generator Lube Oil Strainers - secured #2 main Condensate Pump - changed to Inboard Settler @ 1120 - Pumped fmg. Space Bilges -

WATCH ENGR'S SIGNATURE -

M. Fox

#1 FOM-2211140

#2 FOM-5536840

CHIEF ENGINEER

15	PORT	STBD
PA	1110	1110
TA	1402	1402
CH	414	331
PH	35	35
SO	50	42
SH	2334	2312

CHIEF ENGR'S SIGNATURE -

M. Fox

USNS GREEN PORE TAP 110 VOYAGE NO. 2 FROM VUNG TAY TO OKINAWA TYPE OF VESSEL P2S2R2 DATE 3-15/16-66

WATCH							WATCH									
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200				
RUNNING TIME																
DETENTION TIME																
REVOLUTION COUNTER (END OF WATCH)																
TOTAL REVOLUTIONS (FOR WATCH)																
AVERAGE RPM																
F.O. METER (END OF WATCH)																
F.O. CONSUMED																
PRESSURES	THROTTLE					440	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING				136	136			
	H.P. AHEAD					425		FORWARD L. P. ROTOR BEARING				134	135			
	L.P. AHEAD					21		AFT. L.P. ROTOR BEARING		M		127	130			
	VACUUM	28	27	28	28	28		HOTTEST GEAR BEARING FORWARD				147	146			
	L.O. TO TURBINES	13	13	13	13	13		HOTTEST GEAR BEARING AFT			A	148	148			
	AUX. STEAM	150	150	150	150	150		AUX. COND. CONDENSATE	98	95	99	109	112			
	BACK PRESSURE	9	9	9	9	9		1ST STAGE FEED WATER HEATER				162	159			
	GLAND STEAM	2	2	2	2	2.5		D. C. FEED WATER HEATER	240	240	241	240	240			
	H.P. BLEEDER					70		3RD STAGE FEED WATER HEATER								
	I.P. BLEEDER					7										
L.P. BLEEDER					10	11										
TEMPERATURES	STEAM AT THROTTLE					690	695	BOILER PARTICULARS	F.O. TO BURNERS	145	145	145	143	145	140	
	L.P. EXHAUST	113	132	113	118	✓	116		112	F. O. BACK PRESSURE				✓		
	CONDENSATE		95	99		✓	109		112	AIR TO FURNACE	130	128	127		134	136
	CIRC. WATER IN	85	86	85	87	84	85		UPTAKE	300	290	290	✓	330	330	260
	CIRC. WATER OUT	86	88	86		96	96		MAIN STEAM	230	240	240		720	720	
	L.O. TO COOLERS	110	110	111	R	126	126		SUPER HEAT	685	690	690		730	730	645
	L.O. FROM COOLERS					109	109		F.O. TO BURNERS	200	220		✓	200	195	
	TEMPERATURE THRUST BEARING					117	116		F.O. TEMP. IN SETTLING TANKS	90	92	94		92	96	92
	FORWARD H.P. ROTOR BEARING					120	121		PORT BOILER UPTAKE	94	92	94		92	96	98
									STBD. BOILER UPTAKE		1.0	1.4	R	3.2		
							MISCELLANEOUS	ENGINE ROOM TEMPERATURE						110		
								FIRE ROOM TEMPERATURE						110		
								NOZZLES IN USE					16	16		
								NO. OF BURNERS IN USE	2	2	2	N	6	6		
								BURNER TIP SIZE	53/60	53/60	53/60		53/70	53/70		
								CO ₂ % PORT BOILER								
								CO ₂ % STBD. BOILER								
								OIL LEVEL MAIN SUMP	N	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	
1200 TO 1600	1	1200	460		9	124	114		62	1200	1200	240	METER AT NOON	1550/1570		ON HAND AT START OF DAY		
	2	1200	440		7	146	133		70	1200	1200	240	METER PREVIOUS NOON	260/440		EVAPORATED OR RECEIVED		
1600 TO 2000	1	1200	440		9	124	114		62	1200	1200	240	CONSUMED BY METER	9140		ON HAND		
	2	1200	440		7	146	134		70	1200	1200	240	ON HAND AT START OF DAY	9495		CONSUMED		
2000 TO 2400	1	1200	440		9	123	114		62	1200	1200	240	RECEIVED DURING DAY			ON HAND AT START OF DAY		
	2	1200	440		7	146	133		70	1200	1200	240	EXPENDED DURING DAY	217/45		RECEIVED		
2400 TO 0400	1	1200	440		9	123	114		62	1200	1200	240	REMAINING ON BOARD	9133		ON HAND		
	2	1200	440		7	146	133		70	1200	1200	240	ON HAND AT START OF DAY			CONSUMED		
0400 TO 0800	1	1200	440		9	122	112		62	1350	1350	240	EVAPORATED OR RECEIVED			DIE 2000		
	2	1200	440		7	146	132		70	1350	1350	240	ON HAND					
0800 TO 1200	1	1200	440		9	125	115		62	1350	1350	240	CONSUMED					
	2	1200	440		7	147	134		70	1350	1350	240	DOMESTIC WATER					
													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

@ ANCHOR - MAINTAINING VACUUM MN. UNIT - JACKING GEAR ENGAGED - MACH'Y IN OPERATION - #1 & #2 BARS & F.D. FANS - #1 & #2 D.C. GEN. - MN & AUX AIR EJECTORS - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 MN. FD PUMPS - MN & AUX CIRC. PUMPS - #1 MN. COND. PUMP - F.W. PUMP - L.O. SERVICE PUMP - L.O. PURIFIER - MN. AIR COMP. - A.C. UNIT. - CHANGED TO OUTBOARD SETTLER @ 1300 - ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILERS
ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

Clifford

2000-2400 WATCH

As Before, Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

STM. ON MN. UNIT @ 0100 - TESTED E.R. TELEGRAPH @ 0116 - TIME CHECK @ 0119 - STBY @ 0200 F.O.M. - P-5538200 S-221250 - CTR-75043280 - BELLS AS PER BELL BOOK - DEPT. @ 0306 16 NOZZLES - F.O.M. - P-38440 S-2212700 CTR-75045250 - CHANGED TO INBOARD SETTLER @ 0100
CONDUCTED CASUALTY DRILL E-16 - 4 MEN PRESENT - BRIDGE NOTIFIED - BRIDGE NOTIFIED

WATCH ENGR'S SIGNATURE-

William W. Leggett

0400-0800 WATCH

UNDERWAY W/16 NOZ

STIMULATED CAS/DRILL E-16 SERIOUS FLOODING ENG. SPACES:
COMPLIED W/DEPT ORDERS
ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

Clifford

0800-1200 WATCH

Machinery as Before, except; Blew Tube #1 & #2 Boilers 0800-0820 -
Charged & cleaned Fuel Oil Hot Strainers & Burners - Held engine
Casualty Drill E-16 - 1000-1020 - 4 men Present - notified Bridge
Pumped #3 P & Eng. Space Bilges - changed to outboard settler @ 1130

#1 FOM - 2215590

#2 FOM - 5341530

CTR - 75093990

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

16	PORT	5700
PA	1226	1236
TA	1466	1466
CA	414	414
PO ⁴	45	45
SO ³	50	50
SH	2358	2336

CHIEF ENGR'S SIGNATURE-

M. Fox

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE						
USNS ROPE TAP 110		2-G		VANGUARD		OKINAWA		PS2R2		3-16/17-66						
		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									
DETENTION TIME																
REVOLUTION COUNTER (END OF WATCH)		7511 6760	89316	7516 1930	7518 4690	07430	7523 0060									
TOTAL REVOLUTIONS (FOR WATCH)		22770	22550	22620	22760	22740	22630									
AVERAGE RPM		94.9	94.0	94.2	94.8	94.8	94.2									
F.O. METER (END OF WATCH)		5542960 2216880	44380 18340	5545830 2219680	47300 20990	48780 22310	5530140 2223610									
F.O. CONSUMED		2820	2790	2780	2780	2800	2760									
		MACHINERY PARTICULARS (CONT'D)								MACHINERY PARTICULARS (CONT'D)						
		TEMPERATURES (CONT'D)								TEMPERATURES (CONT'D)						
		AFT. H. P. ROTOR BEARING						138		136	137	137	135	136		
		FORWARD L. P. ROTOR BEARING						138		132	134	132	132	132		
		AFT. L. P. ROTOR BEARING						130		129	131	130	127	130		
		HOTTEST GEAR BEARING FORWARD						148		146	146	147	145	146		
		HOTTEST GEAR BEARING AFT						150		148	148	150	147	148		
		AUX. COND. CONDENSATE						109		109	108	108	107	107		
		1ST STAGE FEED WATER HEATER						161		160	160	160	159	160		
		D. C. FEED WATER HEATER						242		242	241	242	240	240		
		3RD STAGE FEED WATER HEATER														
		F.O. TO BURNERS						140		140	140	140	140	140		
		F. O. BACK PRESSURE														
		AIR TO FURNACE						138		136	136	136	136	136		
		UPTAKE						325 265		325	325 260	325 270	335	335 270		
		MAIN STEAM						710		710	715	715	700	710		
		SUPER HEAT						750 640		745	755 615	745 630	735	740 625		
		F.O. TO BURNERS						190		190	190	190	200	190		
		F.O. TEMP. IN SETTLING TANKS						94 89		92 90	90 90	94 91	94 92	94 90		
		PORT BOILER UPTAKE								3.2			3.2	3.2		
		STBD. BOILER UPTAKE								3.2			3.5	3		
		ENGINE ROOM TEMPERATURE									109				108	
		FIRE ROOM TEMPERATURE						110			109	107			108	
		NOZZLES IN USE						16		16	16	16	16	16	16	
		NO. OF BURNERS IN USE						6		6	6	6	6	6	6	
		BURNER TIP SIZE						53/70		53/70	53/70	53/70	53/70	53/70	53/70	
		CO ₂ % PORT BOILER														
		CO ₂ % STBD. BOILER														
		OIL LEVEL MAIN SUMP						N		N	N	N	N	N	N	

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH'Y IN OPERATION - #1 & #2 BURS & F.D. FANS - #1 & #2 D.C. GENS -
 MAIN AIR EJECTOR - #1 & #2 F.O. SERVICE PUMPS - #1 & #2 M/FD. PUMPS - #1 M/V. COND. PUMP - M/V. CIRC.
 PUMP - AIR COMP - L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - A.C. UNIT / SINGLED PLANT -
 BALLASTING #3 & - ROUTINE WATCH

H.P. & L.P. END PLAY - 010

1600-2000 WATCH

AS BEFORE

WATCH ENGR'S SIGNATURE-

William H. Leggett

BLEW TUBES N/S BOILER'S

DEBALLASTING 3 P/S THRU STBD SIDE

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

Machinery as Before, except; Second Deballasting 3 P/S & @ 2230 - Notified
 Bridge - changed to Inboard Settler @ 1030 - Pumped frg. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

AS BEFORE

COMPLIED WITH MITE 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 - changed & cleaned
 Fuel Oil Hot Strainers & Burners - changed & cleaned Generator Lube
 Oil Strainers - Test Ran #1 & #2 Lifeboat Motors - changed to Outboard
 Settler @ 0930 - Pumped frg. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

#1 FOM - 2223610 #2 FOM - 5550240 CTR - 75230060

CHIEF ENGINEER

17	PORT	STBD
PA	9.93	1226
TA	1285	1466
CH	414	414
PO ⁴	35	35
SO ³	4.8	42
SH	2382	2360

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)													
TEMPERATURES (CONT'D)													
AFT. H. P. ROTOR BEARING													
FORWARD L. P. ROTOR BEARING													
AFT. L.P. ROTOR BEARING													
HOTTEST GEAR BEARING FORWARD													
HOTTEST GEAR BEARING AFT													
AUX. COND. CONDENSATE													
1ST STAGE FEED WATER HEATER													
D. C. FEED WATER HEATER													
3RD STAGE FEED WATER HEATER													
F.O. TO BURNERS													
F. O. BACK PRESSURE													
AIR TO FURNACE													
UPTAKE													
MAIN STEAM													
SUPER HEAT													
F.O. TO BURNERS													
F.O. TEMP. IN SETTLING TANKS													
PORT BOILER UPTAKE													
STBD. BOILER UPTAKE													
ENGINE ROOM TEMPERATURE													
FIRE ROOM TEMPERATURE													
NOZZLES IN USE													
NO. OF BURNERS IN USE													
BURNER TIP SIZE													
CO2 % PORT BOILER													
CO2 % STBD. BOILER													
OIL LEVEL MAIN SUMP													
MISCELLANEOUS													
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		LUBE OIL		
													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
200 TO 600	1	1200	445		9	123	113		62	1000	1000	240							
	2	1200	445		7	147	133		71	1000	1000	240							
600 TO 1000	1	1200	445		9	122	110		62	1000	1000	240							
	2	1200	445		7	144	130		72	1000	1000	240							
1000 TO 1400	1	1200	445		9	121	111		62	1000	1000	240							
	2	1200	445		7	144	132		72	1000	1000	240							
1400 TO 1800	1	1200	445		9	121	111		62	950	950	240							
	2	1200	445		7	144	132		71	950	950	240							
1800 TO 2200	1	1200	445		9	120	110		62	900	900	240							
	2	1200	445		7	140	130		72	900	900	240							
2200 TO 2400	1	1200	445		9	120	111		62	1100	1100	240							
	2	1200	445		7	144	132		72	1100	1100	240							
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)												L.O. CENTRIFUGE - HOURS OPERATED							
												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
												4	4	4	4	4	4		
SUMMARY																			
RUNNING TIME												244.25	PERCENT OF SLIP						
DETENTION TIME													BBL FUEL/MI						
TOTAL REVOLUTIONS												13633	WIND DIRECTION						
AVERAGE R.P.M.												94.67	STATE OF SEA						
TOTAL MILES BY ENGINE												504	STATE OF WEATHER						
TOTAL MILES BY OBSERVATION																			

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH'S IN OPERATION - #1 & #2 BURS & F.D. FANS - #1 & #2 D.C. GENS -
 MN. AIR EJECTOR - #1 & #2 MN. FD. PUMPS - #1 & #2 F.O. SERVICE PUMPS - #1 MN. COND. PUMP - MN. CIRC. PUMP -
 L.O. SERVICE PUMP - L.O. PURIFIER - MN. AIR COMP - F.W. PUMP - PORT STEERING MOTOR - / A.C. UNIT
 SECURED @ 1330 - ROUTINE WATCH

HP & LP 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; - changed to Inboard Settler @ 2320 - Pumped #2^P &
 Eng. Space Bilges -

WATCH ENGR'S SIGNATURE -

CW Frey

2400-0400 WATCH

AS BEFORE

COMPLIED WITH WITE 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

Machinery as Before, Except; Blew Tubes #1 & #2 Boilers 0800-0820 -
 changed & cleaned Fuel oil Hot Strainers & Burners - changed & cleaned Generator
 Lube oil Strainers - Test Ran #1 & #2 Lifelboat Motors & #1 & #2 Fire Pumps -
 Secured Fresh Water Pump @ 0835 for Plumbing Repair. Lit off @ 0920 - changed
 to Outboard Settler @ 1120 - Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE -

CW Frey

#1 FOM - 2230930 #2 FOM - 5558180 CTR - 75366390

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER		
10	PORT	STBD
PA	1460	1285
TA	1869	1577
CH	414	414
PO ⁴	30	30
SO ³	52	42
JH	2404	2384

CHIEF ENGR'S SIGNATURE -

McJohnson

		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	220	220	220	240	MACHINERY PARTICULARS (CONT'D)		AFT. H. P. ROTOR BEARING		137	134	134	135	134	135
DETENTION TIME										FORWARD L. P. ROTOR BEARING		132	128	130	125	120	123
REVOLUTION COUNTER (END OF WATCH)		7538	1180	7543	7545	7280	7544			AFT. L. P. ROTOR BEARING		131	127	129	128	127	130
TOTAL REVOLUTIONS (FOR WATCH)		22850	22640	20640	20210	20160	22040			HOTTEST GEAR BEARING FORWARD		148	145	145	147	145	146
AVERAGE RPM		95.2	94.3	93.8	91.9	91.6	91.8			HOTTEST GEAR BEARING AFT		150	146	146	149	146	147
F.O. METER (END OF WATCH)		2232210	223420	2234510	223670	223720	223790			AUX. COND. CONDENSATE		104	103	101	103	99	98
F.O. CONSUMED		2540	2500	2260	2370	2310	2520			1ST STAGE FEED WATER HEATER		158	156	156	157	154	154
MACHINERY PARTICULARS		THROTTLE		445	445	445	445	445	445	D. C. FEED WATER HEATER		239	240	240	240	240	241
		H.P. AHEAD		430	430	430	430	430	430	3RD STAGE FEED WATER HEATER							
		L.P. AHEAD		19	18.5	18.5	19	19	19	F.O. TO BURNERS		140	140	140	140	140	140
		VACUUM		27.5"	27.5	27.5	27.5"	27.5	28"	F.O. BACK PRESSURE							
		L.O. TO TURBINES		13	13	13	13	13	13	AIR TO FURNACE		136	135	130	126	119	120
		AUX. STEAM		150	150	150	150	150	150	UPTAKE		315	315	315	315	320	320
		BACK PRESSURE		9	9	9	9	9	9	MAIN STEAM		710	705	695	705	720	710
		GLAND STEAM			1.5	1.5		1.0	1	SUPER HEAT		735	735	735	735	735	735
		H.P. BLEEDER		70	70	70	70	70	70	F.O. TO BURNERS		170	170	170	170	170	170
		I.P. BLEEDER		7	7	7	7	7	7	F.O. TEMP. IN SETTLING TANKS		91	90	90	90	88	84.5
		L.P. BLEEDER		11	10	10	11	12	11	PORT BOILER UPTAKE			3.2		3.2	3.2	3.2
		STEAM AT THROTTLE		680	675	665	675	690	680	STBD. BOILER UPTAKE			2.0		3.5	3.5	3
		TEMPERATURES		L.P. EXHAUST		110	109	107	107	105	105	ENGINE ROOM TEMPERATURE				100	
CONDENSATE				104	103	101	103	99	98	FIRE ROOM TEMPERATURE				100			93
CIRC. WATER IN				83	82	80	80	78	77	NOZZLES IN USE		16	16	16	16	16	16
CIRC. WATER OUT				92	91	89	90	88	87	NO. OF BURNERS IN USE		6	6	6	6	6	6
L.O. TO COOLERS				126	125	125	124	125	126	BURNER TIP SIZE		53/70	53/70	53/70	53/70	53/70	53/70
L.O. FROM COOLERS				109	109	108	107	109	108	CO ₂ % PORT BOILER							
TEMPERATURE THRUST BEARING				117	115	115	115	116	117	CO ₂ % STBD. BOILER							
FORWARD H.P. ROTOR BEARING				120	119	119	118	117	119	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	1	1200	445		9	122	112		63	1100	1100	240
	2	1200	445		7	145	133		71	1100	1100	240
1600 TO 2000	1	1200	445		9	120	110		63	1000	1000	240
	2	1200	445		7	144	132		72	1000	1000	240
2000 TO 2400	1	1200	445		9	118	109		62	1000	1000	240
	2	1200	445		7	142	130		72	1000	1000	240
2400 TO 0400	1	1200	445		9	117	109		63	1000	1000	240
	2	1200	445		7	142	129		71	1000	1000	240
0400 TO 0800	1	1200	445		9	117	108		63	1000	1000	240
	2	1200	445		7	139	128		72	1000	1000	240
0800 TO 1200	1	1200	445		9	118	110		62	1000	1000	240
	2	1200	445		7	139	127		72	1000	1000	240

FUEL - WATER AND LUBE OIL									
FUEL OIL	METER AT NOON	830/980	BOILER WATER	ON HAND AT START OF DAY					
	METER PREVIOUS NOON	8180/6930		EVAPORATED OR RECEIVED					
	CONSUMED BY METER	7450/7050		ON HAND					
	ON HAND AT START OF DAY	773 C		CONSUMED					
	RECEIVED DURING DAY			ON HAND AT START OF DAY					
	EXPENDED DURING DAY	345/342		RECEIVED					
DOMESTIC WATER	REMAINING ON BOARD	7084	LUBE OIL	ON HAND					
	ON HAND AT START OF DAY			CONSUMED					
	EVAPORATED OR RECEIVED			DIE 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	3 ² / ₃	3 ² / ₃	3 ² / ₃	4				
SUMMARY									
RUNNING TIME		2314125		PERCENT OF SLIP					
DETENTION TIME				BBL FUEL/MI					
TOTAL REVOLUTIONS		128524		WIND DIRECTION					
AVERAGE R.P.M.		93.1		STATE OF SEA					
TOTAL MILES BY ENGINE		476		STATE OF WEATHER					
TOTAL MILES BY OBSERVATION									

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH'Y IN OPERATION - 7 & 8 BLES & F.D. FANS - 1 & 2 D.C. GENS -
 #1 & 2 M.N. F.D. PUMPS - #1 & 2 F.O. SERVICE PUMPS - #1 M.N. COND. PUMP - M.N. CIRC. PUMP - L.O. SERVICE
 PUMP - L.O. PURIFIER - M.N. AIR EXHAUST - F.W. PUMP - AIR COMP - PORT STEERING MOTOR
 STBY & FIRE DRILL @ 1300 BOAT DRILL @ 1305 LT-1324 - EMER. DIESEL GEN - TEST RUN
 @ 200 AMPS FROM 1330 - ~~1500~~ STBY @ 1523 STEERING CASUALTY DRILL LT-1527.

HPALP END DAY 010

1600-2000 WATCH

UNDERWAY AS BEFORE

BLEW TUBES P/S BOILERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William H. Suggitt

2000-2400 WATCH

as Before, except; Set clock ahead 20 minutes @ 2300 - changed to
 Inboard Settler @ 2315 - Pumped frg. Space Bilge -

WATCH ENGR'S SIGNATURE -

Cliffrey

2400-0400 WATCH

AS BEFORE

ADVANCED CLOCK 20 MINS. @ 0100

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

M. Fox

0400-0800 WATCH

AS BEFORE

ADVANCED CLOCK 20 MIN @ 0500

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William H. Suggitt

0800-1200 WATCH

Machinery as Before, except; Blew Tubes #1 & 2 Boilers 0800-0820 - changed &
 cleaned fuel oil tank strainers & Burners - changed to outboard Settler @
 1120 - Pumped frg. Space Bilge

WATCH ENGR'S SIGNATURE -

Cliffrey

#1 FOM-2237980

#2 FOM-5565630 CTR- 75494930

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

29 PORT 5730

PA 13.43 11.68

TA 17.52 15.18

CH 2.14 4.14

PC 35 35

SO 6.2 50

SH 2428 2468

CHIEF ENGR'S SIGNATURE -

McJohnson

USNS GEN ROBE TAP 110 VOYAGE NO. 2-8 FROM VUNG TAU TO OKINAWA TYPE OF VESSEL P2S2R2 DATE 3-19/20-66

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	142	240	240	240	240							
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)	7551 7420	37000	7553 3920	7557 6100	98240	7562 6440							
TOTAL REVOLUTIONS (FOR WATCH)	22490		20700	22180	22140	22200							
AVERAGE RPM	93.7		86.2	92.4	97.3	92.5							
F.O. METER (END OF WATCH)	5506490 2239270	67860 40180	5569220 2241360	70570 42640	71910 43900	5573240 2245120							
F.O. CONSUMED	2650	1880	2320	2630	2600	2550							
PRESSURES	THROTTLE	445	445	445	445	445	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	138	136	135	134	135
	H.P. AHEAD	430	430	430	430	430		FORWARD L. P. ROTOR BEARING	122	122	118	117	119
	L.P. AHEAD	23	19	19	18.5	19		AFT. L.P. ROTOR BEARING	131	129	128	127	129
	VACUUM	28"	28.6"	29"	28.8"	29"		HOTTEST GEAR BEARING FORWARD	148	147	152	150	144
	L.O. TO TURBINES	13	13	13	13	13		HOTTEST GEAR BEARING AFT	150	148	147	146	148
	AUX. STEAM	150	150	150	150	150		AUX. COND. CONDENSATE	101	97	96	97	96
	BACK PRESSURE	9	9	9	9	9		1ST STAGE FEED WATER HEATER	161	157	156	156	156
	GLAND STEAM		1.5		1.5	1.5		D. C. FEED WATER HEATER	239	241	240	240	241
	H.P. BLEEDER	70	70	70	70	70		3RD STAGE FEED WATER HEATER					
	L.P. BLEEDER	7	7	7	7	7		F.O. TO BURNERS	140	140	140	140	140
TEMPERATURES	STEAM AT THROTTLE	680	665	660	680	680	BOILER PARTICULARS	F. O. BACK PRESSURE					
	L.P. EXHAUST	104	101	100	102	100		AIR TO FURNACE	120	120	118	116	118
	CONDENSATE	101	97	96	97	96		UPTAKE	310 250	310- 235	315 250	330 255	330 255
	CIRC. WATER IN	77	75	74	75	75		MAIN STEAM	710	690	690	715	705
	CIRC. WATER OUT	87	85	83	86	85		SUPER HEAT	725 630	725 615	725 605	735	740 640
	L.O. TO COOLERS	126	126	124	126	127		F.O. TO BURNERS	190	180	180	180	175
	L.O. FROM COOLERS	109	107	106	108	109		F.O. TEMP. IN SETTLING TANKS	82 80	82 80	83 80	80 78	82 84
	TEMPERATURE THRUST BEARING	117	116	115	115	116		PORT BOILER UPTAKE					
	FORWARD H.P. ROTOR BEARING	119	119	117	116	118		STBD. BOILER UPTAKE					
								ENGINE ROOM TEMPERATURE					92
								FIRE ROOM TEMPERATURE					92
MISCELLANEOUS							MISCELLANEOUS	NOZZLES IN USE	16	16	16	16	16
								NO. OF BURNERS IN USE	6	6	6	6	6
								BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70
								CO2 % PORT BOILER					
								CO2 % STBD. BOILER					
								OIL LEVEL MAIN SUMP	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			
1200 TO 1600	1	1200	445		9	118	110		62	1000	1000	256	METER AT NOON 3240/5120		ON HAND AT START OF DAY					
													METER PREVIOUS NOON 3230/7980		EVAPORATED OR RECEIVED					
1600 TO 2000	2	1200	445		7	139	127		71	1000	1000	240	CONSUMED BY METER 7610/140		ON HAND					
	1	1200	445		9	118	110		62	850	850	240	ON HAND AT START OF DAY 7084		CONSUMED					
													RECEIVED DURING DAY		ON HAND AT START OF DAY					
													EXPENDED DURING DAY 351/335		RECEIVED					
2000 TO 2400	2	1200	445		7	139	120		70				REMAINING ON BOARD 6398		ON HAND					
	1	1200	445		9	117	109		62	1000	1000	240	ON HAND AT START OF DAY		CONSUMED					
													EVAPORATED OR RECEIVED		DIE 20000					
													ON HAND							
2400 TO 0400	2	1200	445		7	137	126		72	1000	1000	240	CONSUMED							
	1	1200	445		9	118	110		62	950	950	240	ON HAND AT START OF DAY							
													EVAPORATED OR RECEIVED							
													ON HAND							
0400 TO 0800	2	1200	445		7	137	125		71	950	950	240	CONSUMED							
	1	1200	445		9	119	109		62	950	950	240	ON HAND AT START OF DAY							
													EVAPORATED OR RECEIVED							
													ON HAND							
0800 TO 1200	2	1200	445		7	136	124		72	950	950	240	CONSUMED							
	1	1200	445		9	117	109		62	1000	1000	240	ON HAND AT START OF DAY							
													EVAPORATED OR RECEIVED							
													ON HAND							
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 W/ 16 NOZZLES - MACH'Y IN OPERATION - #1 & #2 BLRS & FDFANS - #1 & #2 D.C. GEN'S -
 MN & AUX AIR EJECTORS - MN & AUX CIRC. PUMPS - #1 & #2 MA. COND. PUMPS - #1 & #2 F.O. SERVICE
 PUMPS - #1 & #2 MN. FD. PUMPS - FW. PUMP - L.O. PURIFIER - MN. AIR COMP. - L.O. SERVICE PUMP -
 PORT STEERING MOTOR / SPLIT THE PLANT - ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

1600-2000 WATCH

UNDERWAY AS BEFORE EXCEPT

BLEW TUBES P/S BOILERS - REDUCED SPEED @ 1730 from 16 KNOTS TO BLOCK-10 KNOTS;
 STBY 1730 CTR 75527800 - S-FOM 5567650 - P-FOM 2239880
 ARRIVAL 1742 - CTR 75528900 - S-FOM 5567720 - P-FOM 2239930
 BELLS AS PER BELL BOOK

WATCH ENGR'S SIGNATURE-

C. W. Fry

2000-2400 WATCH

Departure @ 2000 - #1 FOM-2240240 #2 FOM-5568020 CTR-75533220 - Underway on 16
 Nozzles - Heating Steam on B/O 1ST/ENGR - changed to Inboard Settles @ 2300 - Pumped
 4th & 5th Eng. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

MACH'Y AS BEFORE

COMPLIED WITH NITE ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

0400-0800 WATCH

AS BEFORE

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 -
 PA changed & cleared Fuel oil Hot Strainers & Burners - changed & cleared
 TH Generator Lube oil Strainers - changed to Outboard Settles @ 1045 -
 CH Pumped Eng. Space Bilges -
 PO⁴
 S.

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

20	PORT	STARBOARD
PA	18.51	14.60
TH	13.43	18.10
CH	4.14	4.14
PO ⁴	45	45
SO ³	60	60
SH	2452	2432

CHIEF ENGR'S SIGNATURE-

M. Fox