

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. POPE TAP 110	2	GUAM	VN	P252R2	2-23-66

							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)							7105 3680	75610	7109 7090	7111 8240	40210	7116 2050	
TOTAL REVOLUTIONS (FOR WATCH)							22480	21930	24480	21650	21470	20940	
AVERAGE RPM							93.7	91.4	89.5	90.2	89.5	91.4	
F.O. METER (END OF WATCH) S							1983030	24730	85450	86630	87020	89100	
F.O. CONSUMED							2680	2520	2320	2360	2380	2560	
PRESSURES	THROTTLE	440	440	445	440	440	440						
	H.P. AHEAD	425	425	430	425	430	425						
	L.P. AHEAD	20	16	15.5	16	15.5	20.5						
	VACUUM	27.0	27	27.2	27.4	27.5	27.1						
	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	0	12						
	H.P. BLEEDER	70	70	70	70	70	70						
	I.P. BLEEDER	6	7	6	6	7	6						
L.P. BLEEDER	12	11	11	11	11	11							
TEMPERATURES	STEAM AT THROTTLE	700	705	700	700	700	700						
	L. P. EXHAUST	124	125	122	120	120	126						
	CONDENSATE	107	105	104	105	102	106						
	CIRC. WATER IN	84	84	84	84	82	83						
	CIRC. WATER OUT	94	95	93	93	91	94						
	L.O. TO COOLERS	126	126	126	126	126	126						
	L.O. FROM COOLERS	110	110	110	110	110	110						
	TEMPERATURE THRUST BEARING	118	117	117	117	116	116						
	FORWARD H.P. ROTOR BEARING	118	117	117	118	117	117						
	AFT. H.P. ROTOR BEARING	138	135	135	138	135	135						
FORWARD L.P. ROTOR BEARING	133	128	128	131	124	124							
AFT. L.P. ROTOR BEARING	129	126	126	128	126	126							
MACH. PARTICULARS (CONT'D)							TEMPERATURES (CONT'D)						
							HOTTEST GEAR BEARING FORWARD	142	144	144	146	144	144
							HOTTEST GEAR BEARING AFT	150	150	150	149	146	146
							AUX. COND. CONDENSATE	107	105	104	105	102	106
							1ST STAGE FEED WATER HEATER	162	161	155	156	156	160
							D. C. FEED WATER HEATER	239	240	239	240	240	240
							3RD STAGE FEED WATER HEATER						
							SUPER HEAT P	720	720	710	715	710	705
							S	615	615	620	620	620	615
							F.O. TO BURNERS	185	185	185	185	185	190
							AIR TO FURNACE P	144	140	139	138	136	141
							S	144	140	139	138	136	141
							F.O. TEMP. IN SETTLING TANKS P	119	116	112	114	112	114
							S	103	102	102	102	102	102
							PORT BOILER UPTAKE	320	315	315	310	310	310
							STBD. BOILER UPTAKE	255	250	260	255	250	260
							F. O. BACK PRESSURE						
							MAIN STEAM	450	450	450	450	450	450
							F.O. TO BURNERS	220	185	190	180	190	210
							MAIN COND. SALINITY	0.41	0.41	0.41	0.41	0.41	0.41
							ENGINE ROOM TEMPERATURE						
							FIRE ROOM TEMPERATURE	110		105			108
							NOZZLES IN USE	16	14	14	14	14	16
							NO. OF BURNERS IN USE P	3	3	3	3	3	3
							S	3	3	3	3	3	3
							BURNER TIP SIZE P	53/70	53/70	53/70	53/70	53/70	53/70
							S	53/70	53/70	53/70	53/70	53/70	53/70
							CO ₂ % PORT BOILER						
							CO ₂ % STBD. BOILER						
							OIL LEVEL MAIN SUMP	ADJ	N	N	V	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		DIESEL OIL	
													METER AT NOON		METER PREVIOUS NOON		ON HAND AT START OF DAY		EVAPORATED OR RECEIVED	
1200 TO 1600	1	1200	440		9	123	112		63	1300	1300	240	CONSUMED BY METER	14820	ON HAND AT START OF DAY	7394	CONSUMED		ON HAND AT START OF DAY	
	2	1200	440		7	147	133		68	1300	1300	240	RECEIVED DURING DAY		EXPENDED DURING DAY	336/337	REMAINING ON BOARD	7416	ON HAND	
1600 TO 2000	1	1200	440		9	121	111		63	1300	1300	240	ON HAND AT START OF DAY	1171	EVAPORATED OR RECEIVED		ON HAND		ON HAND	
	2	1200	440		7	146	132		68	1300	1300	240	ON HAND	1172	ON HAND		CONSUMED		RECEIVED	
2000 TO 2400	1	1200	440		9	121	111		63	1250	1250	240	CONSUMED		CONSUMED		CONSUMED		CONSUMED	
	2	1200	440		7	146	132		68	1300	1250	240								
2400 TO 0400	1	1200	440		9	121	110		63	1250	1250	240								
	2	1200	440		7	146	133		68	1250	1250	240								
0400 TO 0800	1	1200	440		9	130	110		63	1250	1250	240								
	2	1200	440		7	144	132		68	1250	1250	240								
0800 TO 1200	1	1200	440		9	120	110		63	1350	1350	240								
	2	1200	440		7	144	132		68	1300	1300	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													241435		PROPELLER SLIP (%)					
DETENTION TIME															BBL FUEL/MI					
TOTAL REVOLUTIONS													13095		WIND DIRECTION					
AVERAGE R.P.M.													90.9		STATE OF SEA					
TOTAL MILES BY ENGINE													488		STATE OF WEATHER					
TOTAL MILES BY OBSERVATION													461							

REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZ WITH #1 & 2 BOILERS, FORCED DRAFT BLOWERS, M/FEE & PUMPS, S/S GEN, MAIN COND. PUMPS AND MAIN & AUX. CIRC. MAIN AIR EJECTOR, #2 F.O. S/PUMP, MAIN L.O. PUMP, #1 F.W. PUMP, AIR COMP AND A.C. UNIT. L.O. PURIFIER SUMP TO SUMP. MV FEED FROM #1 STBD. FW SUCT ON #2 P/S. 1330 SPLIT SHIPS ELECT. LOADS. 1430 F.E. 6-110-2 SAFETY PLUG BLEW - ROUTINE WATCH.

WATCH ENGR'S SIGNATURE-

William W. Leggett

1600-2000 WATCH

UNDERWAY AS BEFORE EXCEPT;

REDUCED SPEED TO 14 NOZ @ 1800 B/O BRIDGE:

BLEW TUBES P/S BOILERS

Routine Watch - Complied W/DEPT ORDERS

WATCH ENGR'S SIGNATURE-

Cliffney

2000-2400 WATCH

mach. as before, Routine watch, complied with Night & dept. orders,

switched from S. TO P. Settler 2330

WATCH ENGR'S SIGNATURE-

A. Duncan

2400-0400 WATCH

UNDERWAY AS BEFORE.

Routine INSPECTIONS MADE OF MACHINERY AND SPACES

WATCH ENGR'S SIGNATURE-

William W. Leggett

0400-0800 WATCH

UNDERWAY AS BEFORE:

Routine Watch:

ADDED 3 GAL L.O. TO #2 MN FO PUMP

WATCH ENGR'S SIGNATURE-

Cliffney

0800-1200 WATCH

Notified ELECT. THAT "J" circuit Telephone is out of order. - Blew Tubes P. & S. boilers - TESTED #1 & #2 lifeboats - 16 Nozz. @ 0945 B.O. ch. - Routine watch; mach. as before.

switched from P. TO S. Settler @ 1100

WATCH ENGR'S SIGNATURE-

A. Duncan

CHIEF ENGINEER

3	PORT	STBD
PA	2.92	3.50
TA	4.67	7.01
CH	1.24	2.49
PH	10	15
SH	1443	1421

CHIEF ENGR'S SIGNATURE-

William W. Leggett

USNS <i>GEN POPE TAP 110</i>	VOYAGE NO. <i>2</i>	FROM <i>GUAM</i>	TO <i>VN</i>	TYPE OF VESSEL <i>P2S2R2</i>	DATE <i>2-3/4-66</i>
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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	HOTTEST GEAR BEARING FORWARD	146	145	145	147	144	147
DETENTION TIME							HOTTEST GEAR BEARING AFT	149	148	148	150	145	150
REVOLUTION COUNTER (END OF WATCH)	7118 4610	07400	7122 4460	7125 2070	71970	7129 3640	AUX. COND. CONDENSATE	106	106	107	106	104	104
TOTAL REVOLUTIONS (FOR WATCH)	22560	22790	22060	22610	19850	21720	1ST STAGE FEED WATER HEATER	162	156	161	159	150	148
AVERAGE RPM	93.6	94.0	95.0	91.9	94.2	88.7	D. C. FEED WATER HEATER	240	240	240	240	241	239
F.O. METER (END OF WATCH) 5	990440	91810	93130	94430	95150	96030	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	2680	2740	2640	2600		1760	SUPER HEAT P	720	730	715	715	710	715
PRESSURES	THROTTLE	440	440	445	440	440	S	630	630	625	625	620	720
	H.P. AHEAD	425	430	430	425	430	F.O. TO BURNERS	185	185	190	185	190	190
	L.P. AHEAD	20	20	20.5	20	17	AIR TO FURNACE P	142	142	141	138	144	142
	VACUUM	27.0	27	27	27.0	27.8	S	142	142	141	138	144	142
	L.O. TO TURBINES	13	13	13	13	13	F.O. TEMP. IN SETTLING TANKS P	105	104	102	103	102	102
	AUX. STEAM	150	150	150	150	150	S	103	102	102	103	102	98
	BACK PRESSURE	9	9	9	9	9	PORT BOILER UPTAKE	335	330	320	325	325	310
	GLAND STEAM	-	0	0.5	0	0	STBD. BOILER UPTAKE	265	255	260	270	265	260
	H.P. BLEEDER	70	70	70	70	70	F. O. BACK PRESSURE						
	I.P. BLEEDER	6	6	6	6	6	MAIN STEAM	450	450	450	450	450	450
TEMPERATURES	L.P. BLEEDER	12	11	11	11	11	F.O. TO BURNERS	220	220	205	190	175	180
	STEAM AT THROTTLE	700	710	700	710	690	MAIN COND. SALINITY	0.41	0.41	0.41	0.41	0.41	-
	L. P. EXHAUST	125	122	124	117	105	ENGINE ROOM TEMPERATURE						
	CONDENSATE	106	106	107	106	104	FIRE ROOM TEMPERATURE			108			108
	CIRC. WATER IN	83	83	84	84	84	NOZZLES IN USE	16	16	16	16	14	14
	CIRC. WATER OUT	94	96	95	93	93	NO. OF BURNERS IN USE P	3	3	3	3	3	3
	L.O. TO COOLERS	123	123	126	126	123	S	3	3	3	3	3	3
	L.O. FROM COOLERS	110	110	110	110	108	BURNER TIP SIZE P	5370	5370	5370	5370	5370	5370
	TEMPERATURE THRUST BEARING	115	117	117	117	116	S	5370	5370	5370	5370	5370	5370
	FORWARD H.P. ROTOR BEARING	117	117	117	118	117	CO ₂ % PORT BOILER						
MISCELLANEOUS	AFT. H.P. ROTOR BEARING	136	135	135	138	135	CO ₂ % STBD. BOILER						
	FORWARD L.P. ROTOR BEARING	137	127	127	131	130	OIL LEVEL MAIN SUMP	NORN	N	N	N	N	N
	AFT. L.P. ROTOR BEARING	128	128	129	130	130							

GENERATORS											FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED
1200 TO 1600	1	1200	440		9	123	112		63	1250	1250			15840		
	2	1200	440		7	148	133		68	1250	1250			358/355		
1600 TO 2000	1	1200	440		9	123	112		63	1300	1300			6693		
	2	1200	440		7	147	133		68	1300	1300					
2000 TO 2400	1	1200	440		9	123	112		63	1200	1200			1172		
	2	1200	440		7	147	133		68	1300	1300			1167		
2400 TO 0400	1	1200	440		9	122	112		63	1250	1250					
	2	1200	440		7	147	133		68	1250	1250					
0400 TO 0800	1	1200	440		9	122	112		63	600	600					
	2	1200	440		7	147	133		68	600	600					
0800 TO	1	1200	440		9	121	110		63	700	700					
	2	1200	440		7	144	132		68	600	600					
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	24412.5	PROPELLER SLIP (%)			
											DETENTION TIME		BBL FUEL/MI			
											TOTAL REVOLUTIONS	13149	WIND DIRECTION			
											AVERAGE R.P.M.	91.31	STATE OF SEA			
											TOTAL MILES BY ENGINE	488	STATE OF WEATHER			
											TOTAL MILES BY OBSERVATION	448				

REMARKS

1200-1600 WATCH

Underway on 16 No 22. with #1 & 2 Boilers, Forced Draft Blowers, M/Feed Pump, S/S Gen. - #2 F.O. S/Pump, Main Air Ejector, Main & Aux. Circ. L.O. S/Pump, FW Pump and AC Unit. - L.O. for 1st & 2nd Sump, #1 & 2 M/Cond Pumps. E.R. J Circuit out of order.
Routine Watch

STBY @ 1516 FOR FIRE DRILL. Scored FIRE DRILL @ 1524. ABANDON S/DALL @ 1524. Scored FROM A/S DALL @ 1530.
LP & HP Turbine End Play Approx. 010

1600-2000 WATCH

UNDERWAY AS BEFORE:

BLEW TUBES P/S BOILERS:

CONDUCTED CASUALTY DRILL EIO HEAVY SHOT IN GEN. switches at DIST. BOARD.
ROUTINE WATCH - COMPLIED W/DEPT ORDERS

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

Added 3 gal. L.O. To #1 & #2 MN. Fd. Pumps, Changed 6 burners, Mach. AS before, Routine watch, Complied with Night & dept. orders.

Switched from S to P Settler @ 2245

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

UNDERWAY AS BEFORE WITH SAME MACH. IN OPERATION. Complied with Night and STANDING ORDERS.

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

UNDERWAY AS BEFORE EXCEPT; WATER IN F.O. & LOSS OF PRES @ 0545.5
HT 40628; HT & 14 NOT @ 0634: SPLIT PLANT OPERATION ON B BOARD ONLY
PLANT OPER AS OR PREU WATCH EXCEPT AS NOTED ~~###~~: #1 F.O. BYPASS MALTROUPT
STAN SETT IN SERVO,

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

No Air Press. To #1 bl'r F.O. Ratio Controller, Blew Tubes P & S. boilers, AID
Elect. Load split 0810, TESTED #1 & #2 LIFEBOATS, #1 MN. Air Ejector Comp.
NOT WORKING, in service @ 1040, F.O. Reading INACCURATE due to using
Recirc. line To control Press.

Switched from S to P. Settler @ 0800

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

4	PORT	STBD
PA	4.08	5.25
TA	7.01	8.18
CH	1.66	2.90
PH	10	15
SH	1467	1445

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
Gen. Pope TAT-110				HAWAII, Honolulu		VN		P2		2-4/5-66	

		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	222	✓			139	140	140	140	140	-	
DETENTION TIME										144	143	143	144	144	-	
REVOLUTION COUNTER (END OF WATCH)		7131 3370	33080	7135 2860	7137 2490	92140				101	101	101	100	99	40089	
TOTAL REVOLUTIONS (FOR WATCH)		19730	19710	19780	19630	19640				141	140	140	140	137	100	
AVERAGE RPM		82.2	82.1	82.4	81.8	81.8				240	240	242	241	240	243	
F.O. METER (END OF WATCH)		5 1996960	97900	98950	99800	99810	01160									
F.O. CONSUMED		1860	1880	1900	1900	2020	700									
MACHINERY PARTICULARS	PRESSURES	THROTTLE	440	440	440	440	440		TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD	139	140	140	140	140	-
		H.P. AHEAD	425	425	425	425	430			HOTTEST GEAR BEARING AFT	144	143	143	144	144	-
		L.P. AHEAD	9	9	9	9	9			AUX. COND. CONDENSATE	101	101	101	100	99	40089
		VACUUM	27.5"	27.6	27.7	27.7	27.8			1ST STAGE FEED WATER HEATER	141	140	140	140	137	100
		L.O. TO TURBINES	13	13	13	13	13			D. C. FEED WATER HEATER	240	240	242	241	240	243
		AUX. STEAM	150	150	150	150	150			3RD STAGE FEED WATER HEATER						
		BACK PRESSURE	9	9	9	9	9			SUPER HEAT	P 705	715	695	690	685	540
		GLAND STEAM	1	1	1.5	1.5	1	3		S 625	625	610	620	615	640	
		H.P. BLEEDER	70	70	70	-	-	-		F.O. TO BURNERS	185	185	190	190	180	190
	TEMPERATURES	I.P. BLEEDER	6	6	6	-	-	-	AIR TO FURNACE	P 142	139	141	139	136	136	
		L.P. BLEEDER	10	10	16	16	SEC	-	S 142	139	141	139	136	136		
		STEAM AT THROTTLE	700	695	690	690	680	-	F.O. TEMP. IN SETTLING TANKS	P 104	104	102	105	104	100	
		L. P. EXHAUST	107	108	107	107	105	-	S 104	104	102	105	104	100		
		CONDENSATE	101	101	101	100	99		PORT BOILER UPTAKE	300	300	295	295	295	260	
		CIRC. WATER IN	84	85	84	85	83	81	STBD. BOILER UPTAKE	255	250	250	245	240	220	
		CIRC. WATER OUT	90	92	91	90	90	95	F. O. BACK PRESSURE							
		L.O. TO COOLERS	121	123	124	123	122	123	MAIN STEAM	450	450	450	450	450	440	
		L.O. FROM COOLERS	110	109	110	110	110	110	F.O. TO BURNERS	140	150	140	130	160	100	
TEMPERATURES	TEMPERATURE THRUST BEARING	113	114	115	115	115	-	MAIN COND. SALINITY	0.41	0.41	0.41	0.41	0.41	0.41		
	FORWARD H.P. ROTOR BEARING	114	115	115	116	116	-	ENGINE ROOM TEMPERATURE								
	AFT. H.P. ROTOR BEARING	131	131	130	132	131	-	FIRE ROOM TEMPERATURE			107			102		
	FORWARD L.P. ROTOR BEARING	125	125	125	121	118	-	NOZZLES IN USE	THROTTLE							
	AFT. L.P. ROTOR BEARING	125	125	125	126	125	-	P 3	3	3	3	3	1			
								S 3	3	3	3	3	1			
								P 5370	5370	5370	5370	5370	5370			
								S 5370	5370	5370	5370	5370	5370			
								BURNER TIP SIZE								
							CO ₂ % PORT BOILER									
							CO ₂ % STBD. BOILER									
							OIL LEVEL MAIN SUMP									

		GENERATORS										FUEL - WATER AND LUBE OIL									
		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL	
1200 TO 1600	1	1200	440			9	122	111		63	625	625	240	METER AT NOON		ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		ON HAND	
	2	1200	440			7	145	133		68	625	625	240	METER PREVIOUS NOON		CONSUMED		ON HAND		CONSUMED	
1600 TO 2000	1	1200	440			9	120	110		63	650	650	240	CONSUMED BY METER	10260	ON HAND AT START OF DAY	6693	ON HAND		CONSUMED	
	2	1200	440			7	144	132		68	650	650	240	RECEIVED DURING DAY		ON HAND AT START OF DAY		ON HAND		CONSUMED	
2000 TO 2400	1	1200	440			9	120	110		63	650	650	240	EXPENDED DURING DAY	231/281	ON HAND AT START OF DAY		ON HAND		CONSUMED	
	2	1200	440			7	144	132		68	650	650	240	REMAINING ON BOARD	6181	ON HAND AT START OF DAY		ON HAND		CONSUMED	
2400 TO 0400	1	1200	440			9	120	110		63	650	650	240	ON HAND AT START OF DAY		ON HAND AT START OF DAY		ON HAND		CONSUMED	
	2	1200	440			7	145	132		70	650	650	240	EXPENDED DURING DAY		ON HAND AT START OF DAY		ON HAND		CONSUMED	
0400 TO 0800	1	1200	440			9	118	109		63	650	650	240	RECEIVED DURING DAY		ON HAND AT START OF DAY		ON HAND		CONSUMED	
	2	1200	440			7	143	131		70	650	650	240	REMAINING ON BOARD		ON HAND AT START OF DAY		ON HAND		CONSUMED	
0800 TO 1200	1	1200	440			9	118	109		63	650	650	235	ON HAND AT START OF DAY		ON HAND AT START OF DAY		ON HAND		CONSUMED	
	2	1200	440			7	143	131		70	650	650	235	EXPENDED DURING DAY		ON HAND AT START OF DAY		ON HAND		CONSUMED	

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

REMARKS

1200-1600 WATCH

UNDERWAY ON 14 NOV 22 WITH #1 & 2 BOILERS, FORCED DRAFT BLOWERS, H/F & PUMPS, MAIN COND PUMPS AND S/S GEN. MAIN AND AUX. CIRC., L.O. S/PUMP, #2 F.O. S/PUMP, #1 F.W. PUMP, MAIN AIR EJECTOR AND A.C. UNIT. L.O. PURIFIER Sump To Sump. Reduced Speed To Nozz. BLACK @ 1230 B/O BRIDGE. Added 3 GAL. L.O. To #1 Feed Pump. CLEARED L.O. PURIFIER. F.O. SUCT. FROM STBY SETTLER.

WATCH ENGR'S SIGNATURE-

William N. Leggett

1600-2000 WATCH

UNDERWAY AS BEFORE:

BLEW TUBES P/S BOILERS:

ROUTINE WATCH:

COMPLIED W/DEPT ORDERS

WATCH ENGR'S SIGNATURE-

Clifford

2000-2400 WATCH

Held Eng. CASUALTY drill "E-10" Notified bridge, 4 men present, Routine watch, Complied with Night & dept. orders, mach. as before.

Switched settlers @ 2330 S.T.O.P.

WATCH ENGR'S SIGNATURE-

A. Duncan

2400-0400 WATCH

UNDERWAY AS BEFORE - HELD E.R. CASUALTY DRILL E-10 FOR WATCH PERSONNEL. Complied with Night AND STANDING ORDERS.

WATCH ENGR'S SIGNATURE-

William N. Leggett

0400-0800 WATCH

UNDERWAY AS BEFORE: STBY 0730; TACK 71391360 S-FOM 2000 770
SHAFT CTR 79306040; ARRIVAL 0742 TACK 71392360: S-FOM. 2000 850
SHAFT CTR : BELLS AS PER BELL LOG MANEU SPEED 60 RPM @ 0755

WATCH ENGR'S SIGNATURE-

Clifford

0800-1200 WATCH

Hi Sea Sect. open @ 0800, Bells @ per bell book, F.W.F. @ 0855
C-71395579 F.O.M. 2001000, MN. UNIT ON JACKING GEAR @ 0900, BLEW TUBES P & S. boilers, Added 4 GAL. L.O. To #1 MN. Fd. Pump,

Switched Settlers P.T.O S. @ 1130

WATCH ENGR'S SIGNATURE-

A. Duncan

CHIEF ENGINEER

	PORT	STBD
PA	526	584
TA	818	876
CH	290	290
PH	10	30
SH	1491	1469

CHIEF ENGR'S SIGNATURE-

William N. Leggett

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
GEN FORG		2		@ VN				PSSR2		2-5/6-66	

		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								MACH. PARTICULARS (CONT'D)							
DETENTION TIME								TEMPERATURES (CONT'D)							
REVOLUTION COUNTER (END OF WATCH)								AUX. COND. CONDENSATE		105	82	88	90	87	87
TOTAL REVOLUTIONS (FOR WATCH)								1ST STAGE FEED WATER HEATER		105	102	104	103	103	99
AVERAGE RPM								D. C. FEED WATER HEATER		243	241	240	242	241	242
F.O. METER (END OF WATCH)		5	200/410	1690	1940	2190	2450	3RD STAGE FEED WATER HEATER							
F.O. CONSUMED		500	560	500	500	590	520	SUPER HEAT		P	655	655	650	660	665
								S		510	535	540	545	545	
								F.O. TO BURNERS		180	185	190	185	185	
								P		130	130	128	124	124	
								S		130	130	128	124	124	
								F.O. TEMP. IN SETTLING TANKS		P	100		102	110	
								S		109		104	111		
								PORT BOILER UPTAKE		310	300	300	315	310	
								STBD. BOILER UPTAKE		240	210	240	242	270	
								F. O. BACK PRESSURE							
								MAIN STEAM		440	440	440	440	440	
								F.O. TO BURNERS		160	160	150	140	140	
								MAIN COND. SALINITY			424	0.41	0.83	0.83	
								ENGINE ROOM TEMPERATURE							
								FIRE ROOM TEMPERATURE				104		100	
								NOZZLES IN USE							
								NO. OF BURNERS IN USE		P	1	1	1	1	
								S		1	1	1	1		
								P		53/60	53/60	53/60	53/60		
								S		53/60	53/60	53/60	53/60		
								CO ₂ % PORT BOILER							
								CO ₂ % STBD. BOILER							
								OIL LEVEL MAIN SUMP		N	N	N	N	N	

		PRESSURES										TEMPERATURES									
THROTTLE												STEAM AT THROTTLE									
H.P. AHEAD												L. P. EXHAUST		145	109	110	110	110	110	110	110
L.P. AHEAD												CONDENSATE		107	82						
VACUUM		27.5	28	28	28	28	28	28	28	28	28.2	CIRC. WATER IN		82	82	82	81	81	81	81	81
L.O. TO TURBINES		14	13	13	13	13	13	13	13	13	12	CIRC. WATER OUT		88	82	90	87	90	90	90	90
AUX. STEAM		150	150	150	150	150	150	150	150	150	150	L.O. TO COOLERS		109	112	102	100	104	104	105	105
BACK PRESSURE		9	9	9	9	9	9	9	9	9	9	L.O. FROM COOLERS		105	102	108	90				
GLAND STEAM		3	3	4	3	3	3	3	3	3	3	TEMPERATURE THRUST BEARING									
H.P. BLEEDER												FORWARD H.P. ROTOR BEARING									
I.P. BLEEDER												AFT. H.P. ROTOR BEARING									
L.P. BLEEDER												FORWARD L.P. ROTOR BEARING									
												AFT. L.P. ROTOR BEARING									

		PRESSURES										TEMPERATURES									
STEAM AT THROTTLE												CIRC. WATER IN		82	82	82	81	81	81	81	81
L. P. EXHAUST		145	109	110	110	110	110	110	110	110	110	CIRC. WATER OUT		88	82	90	87	90	90	90	90
CONDENSATE		107	82									L.O. TO COOLERS		109	112	102	100	104	104	105	105
CIRC. WATER IN		82	82	82	81	81	81	81	81	81	81	L.O. FROM COOLERS		105	102	108	90				
CIRC. WATER OUT		88	82	90	87	90	90	90	90	90	90	TEMPERATURE THRUST BEARING									
L.O. TO COOLERS		109	112	102	100	104	104	105	105	105	105	FORWARD H.P. ROTOR BEARING									
L.O. FROM COOLERS		105	102	108	90							AFT. H.P. ROTOR BEARING									
TEMPERATURE THRUST BEARING												FORWARD L.P. ROTOR BEARING									
FORWARD H.P. ROTOR BEARING												AFT. L.P. ROTOR BEARING									
AFT. H.P. ROTOR BEARING																					
FORWARD L.P. ROTOR BEARING																					
AFT. L.P. ROTOR BEARING																					

		PRESSURES										TEMPERATURES									
STEAM AT THROTTLE												CIRC. WATER IN		82	82	82	81	81	81	81	81
L. P. EXHAUST		145	109	110	110	110	110	110	110	110	110	CIRC. WATER OUT		88	82	90	87	90	90	90	90
CONDENSATE		107	82									L.O. TO COOLERS		109	112	102	100	104	104	105	105
CIRC. WATER IN		82	82	82	81	81	81	81	81	81	81	L.O. FROM COOLERS		105	102	108	90				
CIRC. WATER OUT		88	82	90	87	90	90	90	90	90	90	TEMPERATURE THRUST BEARING									
L.O. TO COOLERS		109	112	102	100	104	104	105	105	105	105	FORWARD H.P. ROTOR BEARING									
L.O. FROM COOLERS		105	102	108	90							AFT. H.P. ROTOR BEARING									
TEMPERATURE THRUST BEARING												FORWARD L.P. ROTOR BEARING									
FORWARD H.P. ROTOR BEARING												AFT. L.P. ROTOR BEARING									
AFT. H.P. ROTOR BEARING																					
FORWARD L.P. ROTOR BEARING																					
AFT. L.P. ROTOR BEARING																					

		PRESSURES										TEMPERATURES									
STEAM AT THROTTLE												CIRC. WATER IN		82	82	82	81	81	81	81	81
L. P. EXHAUST		145	109	110	110	110	110	110	110	110	110	CIRC. WATER OUT		88	82	90	87	90	90	90	90
CONDENSATE		107	82									L.O. TO COOLERS		109	112	102	100	104	104	105	105
CIRC. WATER IN		82	82	82	81	81	81	81	81	81	81	L.O. FROM COOLERS		105	102	108	90				
CIRC. WATER OUT		88	82	90	87	90	90	90	90	90	90	TEMPERATURE THRUST BEARING									
L.O. TO COOLERS		109	112	102	100	104	104	105	105	105	105	FORWARD H.P. ROTOR BEARING									
L.O. FROM COOLERS		105	102	108	90							AFT. H.P. ROTOR BEARING									
TEMPERATURE THRUST BEARING												FORWARD L.P. ROTOR BEARING									
FORWARD H.P. ROTOR BEARING												AFT. L.P. ROTOR BEARING									
AFT. H.P. ROTOR BEARING																					
FORWARD L.P. ROTOR BEARING																					
AFT. L.P. ROTOR BEARING																					

		PRESSURES										TEMPERATURES									
STEAM AT THROTTLE												CIRC. WATER IN		82	82	82	81	81	81	81	81
L. P. EXHAUST		145	109	110	110	110	110	110	110	110	110	CIRC. WATER OUT		88	82	90	87	90	90	90	90
CONDENSATE		107	82									L.O. TO COOLERS		109	112	102	100	104	104	105	105
CIRC. WATER IN		82	82	82	81	81	81	81	81	81	81	L.O. FROM COOLERS		105	102	108	90				
CIRC. WATER OUT		88	82	90	87	90	90	90	90	90	90	TEMPERATURE THRUST BEARING									
L.O. TO COOLERS		109	112	102	100	104	104	105	105	105	105	FORWARD H.P. ROTOR BEARING									
L.O. FROM COOLERS		105	102	108	90							AFT. H.P. ROTOR BEARING									
TEMPERATURE THRUST BEARING												FORWARD L.P. ROTOR BEARING									
FORWARD H.P. ROTOR BEARING												AFT. L.P. ROTOR BEARING									
AFT. H.P. ROTOR BEARING																					
FORWARD L.P. ROTOR BEARING																					
AFT. L.P. ROTOR BEARING																					

		PRESSURES										TEMPERATURES									
STEAM AT THROTTLE												CIRC. WATER IN		82	82	82	81	81	81	81	81
L. P. EXHAUST		145	109	110	110	110	110	110	110	110	110	CIRC. WATER OUT		88	82	90	87	90	90	90	90
CONDENSATE		107	82									L.O. TO COOLERS		109	112	102	100	104	104	105	105
CIRC. WATER IN		82	82	82	81	81	81	81	81	81	81	L.O. FROM COOLERS		105	102	108	90				
CIRC. WATER OUT		88	82	90	87	90	90	90	90</												

REMARKS

1200-1600 WATCH

Anchored AT ~~Cam Rahn~~ Bay with #1 & 2 Boilers, Forced Draft Blowers, Feed Pumps AND S/S Gen. Maintaining Vacuum on M/UNIT with Jacking Gear Engaged. Main & Aux Circ. - #2 Cond Pump AND Main L.O. Pump. M.U. Evaporator Cont. Blow. #1 FW Pump - L.O. Purifier Sump To Sump. @ 1330 Found High SAL. IN #1 Res. STD D/TANK - Changed MU Feed To DW TANK.

WATCH ENGR'S SIGNATURE-

William W. Leggett

1600-2000 WATCH

BLEW TUBES P/S BOILERS

#1 & 2 Boiler SAL. INC TO 5.39 GAG #2 BLR ON CONST BLOW:
REDUCING STATIONS ERRATIC; BLEW DOWN MU EVAP 3 TIMES
COMPLIED W/DEPT ORDERS

WATCH ENGR'S SIGNATURE-

CW Fry

2000-2400 WATCH

Routine watch, complied with dept. orders, switch can't blow
TO #1 blr. @ 2200., performed PLANT MAINTENANCE.

WATCH ENGR'S SIGNATURE-

A. Duncan

2400-0400 WATCH

Switched settlers @ 2330 S. TO PORT.

MACHINERY AS BEFORE- ROUTINE PORT WATCH - COMPLIED WITH DEPT. ORDERS-

CHANGED FW. SECTION TO 3 @ @ 0330

WATCH ENGR'S SIGNATURE-

William W. Leggett

0400-0800 WATCH

Condit. as before
Routine Watch;

WATCH ENGR'S SIGNATURE-

CW Fry

0800-1200 WATCH

Blew Tubes P/S. boilers, switched From #2 To #1 blr. for can't blow
@ 1000, Performed PLANT MAINTENANCE, Routine Port watch,

WATCH ENGR'S SIGNATURE-

A. Duncan

CHIEF ENGINEER

G	PORT	STD
PA	292	292
TA	467	467
CA	331	331
PO	10	10
SH	1505	1493

CHIEF ENGR'S SIGNATURE-

William W. Leggett

USNS GEN JOHN POPE TAP 110 VOYAGE NO. 2 FROM CAM RANH @ V.N. TO VUNG TAW TYPE OF VESSEL PSR-2 DATE 2-6/7-66

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		60	240	240	180		HOTTEST GEAR BEARING FORWARD			140	138	132	-
DETENTION TIME							HOTTEST GEAR BEARING AFT			145	144	140	-
REVOLUTION COUNTER (END OF WATCH)		99970	7142 0010	7143 9940	4220		AUX. COND. CONDENSATE		88	97	99	90	90
TOTAL REVOLUTIONS (FOR WATCH)		3210	19040	19930	9330		1ST STAGE FEED WATER HEATER	101		106	142	104	104
AVERAGE RPM		80.2	79.8	83.0	86.6		D. C. FEED WATER HEATER	242	240	239	240	240	240
F.O. METER (END OF WATCH) S	203230	03430	04430	05400	06110	06340	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	540	900	2000	1940	1470	460	SUPER HEAT P	625	635	730	720	200	655
PRESSURES	THROTTLE		440	445	445	444	S	555	560	625	620	585	540
	H.P. AHEAD		430	430	430		F.O. TO BURNERS	185	185	190	190	190	190
	L.P. AHEAD		8	10	10		AIR TO FURNACE P	128	128	135	135	128	133
	VACUUM	28"	28	27.9	27.9	28.20	S	128	128	135	135	128	133
	L.O. TO TURBINES	13	13	14	14	13	F.O. TEMP. IN SETTLING TANKS P	112	112	106	108	108	106
	AUX. STEAM	150	150	150	150	150	S	111	112	104	106	104	96
	BACK PRESSURE	9	9	9	9	9	PORT BOILER UPTAKE	310	315	310	315	200	265
	GLAND STEAM	3	3	3		2	STBD. BOILER UPTAKE	265	270	250	250	235	230
	H.P. BLEEDER						F. O. BACK PRESSURE						
	I.P. BLEEDER						MAIN STEAM	440	450	450	450	440	440
TEMPERATURES	L.P. BLEEDER						F.O. TO BURNERS	140	140	135	140	140	90
	STEAM AT THROTTLE		700	710	700		MAIN COND. SALINITY	.84	0.83	0.41	0.41	0.41	1.24
	L. P. EXHAUST	127	110	116	107	137	ENGINE ROOM TEMPERATURE						
	CONDENSATE		88	97	99	90	FIRE ROOM TEMPERATURE			109			106
	CIRC. WATER IN	81	81	82	81	81	NOZZLES IN USE			II	I		
	CIRC. WATER OUT	89/97	96	96	90	86	NO. OF BURNERS IN USE P	1	3	3	3	1	1
	L.O. TO COOLERS			124	120	117	S	1	3	3	3	1	1
	L.O. FROM COOLERS		110	110	108	109	BURNER TIP SIZE P	53/60	53/70	53/70	53/70	53/70	53/60
	TEMPERATURE THRUST BEARING			116	117	115	S	53/60	53/70	53/70	53/70	53/70	53/60
	FORWARD H.P. ROTOR BEARING			127	113	114	CO ₂ % PORT BOILER						
MISCELLANEOUS	AFT. H.P. ROTOR BEARING			132	131	126	CO ₂ % STBD. BOILER						
	FORWARD L.P. ROTOR BEARING			120	121	118	OIL LEVEL MAIN SUMP	Norm	N	N	N	N	N
	AFT. L.P. ROTOR BEARING			127	125	122							

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	1	1200	440		9	118	108		63	600	600	240			6035		
	2	1200	440		7	142	130		68	600	600	240					
1600 TO 2000	1	1200	440		9	118	108		63	600	600	240					
	2	1200	440		7	141	129		68	600	600	240					
2000 TO 2400	1	1200	440		9	117	109		63	650	650	240					
	2	1200	440		7	141	129		68	600	600	240					
2400 TO 0400	1	1200	440		9	119	109		63	600	600	240					
	2	1200	440		7	144	131		68	650	650	240					
0400 TO 0800	1	1200	440		9	118	109		63	600	600	240					
	2	1200	440		7	142	130		68	600	600	240					
0800 TO 1200	1	1200	440		9	118	108		63	650	650	240					
	2	1200	440		7	142	130		68	650	650	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	2
SUMMARY																	
RUNNING TIME												PROPELLER SLIP (%)					
DETENTION TIME												BBL FUEL/MI					
TOTAL REVOLUTIONS												WIND DIRECTION					
AVERAGE R.P.M.												STATE OF SEA					
TOTAL MILES BY ENGINE												STATE OF WEATHER					
TOTAL MILES BY OBSERVATION																	

1200-1600 WATCH

AT ANCHOR IN CAM RANH BAY, VN. - MACHINERY IN OPERATION - #1 & #2 BOILERS & F.D. FANS -
 #1 & #2 DC. GEN'S - #2 F.O. SERVICE PUMP - #1 & #2 MAIN PUMPS - AIR COMP - M.V. & AUX. CIRC. PUMPS -
 F.W. PUMP - #2 COND. PUMP - L.O. SERVICE PUMP - L.O. PURIFIER SUMP TO SUMP - M.V. EVAP. ON
 CONT. BLOW - MAINTAINING VACUUM ON M.V. UNIT WITH JACKING GEAR ENGAGED - / ADDED 3 GAL L.O. TO
 #1 M.V. F.D. PUMP - ROUTINE TESTS & INSPECTIONS -

WATCH ENGR'S SIGNATURE-

William H. Leggett

1600-2000 WATCH

MACH'Y AS ABOVE; TELEG. TESTED & CLOCK SYNCH'D W/BRIDGE @ 1800. SCREWS CLEAR.
 AND FROM BRIDGE; JACKING GEAR DISENGAGED & ROLLING UNIT @ 1810; STBY 1830;
 TACH 71396290; F.O.M-S 2003210; BELLS AS PER BELL LOG
 DEPT 1900; TACH 71396760; F.O.M-S 2003260
 ROUTINE WATCH;

WATCH ENGR'S SIGNATURE-

C. W. Fry

2000-2400 WATCH

Secured Gland Seal ST'm. Reg. 2200 D.W. TK went dry Tested #15 2.09/6r. W.W. 34
 2.90 6r. Switched M.V.F. SUCT. TO #15. Switched TO #1 bl'r for con't. blow 2200,
 mach. AS ABOVE, ST'bd steering gear in use, Switched TO 2P/s w.w. SUCT.

WATCH ENGR'S SIGNATURE-

A. Duncan

2400-0400 WATCH

Switched settlers S. TO P. @ 2330
 SAME AS BEFORE - ROUTINE TESTS & INSPECTIONS

WATCH ENGR'S SIGNATURE-

William H. Leggett

0400-0800 WATCH

UNDERWAY AS BEFORE; STBY 0520; TACH 71448270; SHAFT CTR 79363020
 F.O.M-S 2005820; ARR. 0530; 60 RPM; TACH 71448270 SHAFT 79363820
 F.O.M-S 2005860; BELLS AS PER BELL BOOK; ENG. RM. TELEPHONES MAN'VED;
 FWE 0658 TACH 71452940; F.O.M-S 2006060 SHAFT CTR 79367640
 JACKING GEAR ENGAGED 0700;

WATCH ENGR'S SIGNATURE-

C. W. Fry

0800-1200 WATCH

BLEW TUBES P&S. boilers, Switched S.W. Air Eject ST'm Supply
 from #150 Red. ST'N TO MAIN Air Eject. Red. ST'N, Switched from
 #2 TO #1 bl'r. for con't. blow, Routine Port watch, mach. AS ABOVE,

WATCH ENGR'S SIGNATURE-

A. Duncan

CHIEF ENGINEER

couldn't switch, valve NOT working, 2nd Notified
 Switched from P TO S. Settler @ 1130

Z	PORT	STBN
PA	1.75	2.92
TA	2.92	4.67
CA	2.07	3.73
PO	20	10
SH	1529	1517

CHIEF ENGR'S SIGNATURE-

William H. Leggett

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
GEN. JOHN POPE TAP110		2		@ VUNG TAW, VN				P2S2R2		1-7/8-66	
WATCH											
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200				
WATCH											
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200				
RUNNING TIME											
DETENTION TIME											
REVOLUTION COUNTER (END OF WATCH)											
TOTAL REVOLUTIONS (FOR WATCH)											
AVERAGE RPM											
F.O. METER (END OF WATCH)		5 200650	06800	07020	07270	7520	7790				
F.O. CONSUMED		440	440	440	500	500	540				
PRESSURES											
THROTTLE											
H.P. AHEAD											
L.P. AHEAD											
VACUUM		28"	28"	28"	28"	28"	28"				
L.O. TO TURBINES		13	13	13	13	13	12				
AUX. STEAM		150	150	150	150	150	150				
BACK PRESSURE		9	9	9	9	9	9				
GLAND STEAM		2	2	2	2	2	2				
H.P. BLEEDER											
I.P. BLEEDER											
L.P. BLEEDER											
TEMPERATURES											
STEAM AT THROTTLE											
L. P. EXHAUST		150	130 112	112	135	112	110				
CONDENSATE		90	90	90	89	90	88				
CIRC. WATER IN		83	83	83	83	82	82				
CIRC. WATER OUT		98/90	98/90	98/92	96/90	96/90	98/90				
L.O. TO COOLERS		112	112	112	106	106	114				
L.O. FROM COOLERS		110	110	110	106	104	114				
TEMPERATURE THRUST BEARING											
FORWARD H.P. ROTOR BEARING											
AFT. H.P. ROTOR BEARING											
FORWARD L.P. ROTOR BEARING											
AFT. L.P. ROTOR BEARING											
MACH. PARTICULARS (CONT'D)											
HOTTEST GEAR BEARING FORWARD											
HOTTEST GEAR BEARING AFT											
AUX. COND. CONDENSATE		103	90	90	89	89	89				
1ST STAGE FEED WATER HEATER		103	101	100	99	101	102				
D. C. FEED WATER HEATER		241	241	242	241	242	240				
3RD STAGE FEED WATER HEATER											
SUPER HEAT		P	705	675	660	625	630	640			
		S	535	535	535	560	560	560			
F.O. TO BURNERS			185	185	190	185	185	190			
AIR TO FURNACE		P	130	128	128	126		128			
		S	130	128	128	126		128			
F.O. TEMP. IN SETTLING TANKS		P	94	104	108	106	111	105			
		S	109	104	105	110	111	110			
PORT BOILER UPTAKE			295	280	275	315	310	285			
STBD. BOILER UPTAKE			220	235	235	270	265	270			
F. O. BACK PRESSURE											
MAIN STEAM			440	440	440	440	440	440			
F.O. TO BURNERS			120	135	125	180	180	130			
MAIN COND. SALINITY			0.41	1.66	0.83	0.83	0.83	0.83			
ENGINE ROOM TEMPERATURE											
FIRE ROOM TEMPERATURE			107		104			103			
NOZZLES IN USE											
NO. OF BURNERS IN USE		P	1	1	1	1	1	1			
		S	1	1	1	1	1	1			
BURNER TIP SIZE		P	53/60	53/60	53/60	53/60	53/60	53/60			
		S	53/60	53/60	53/60	53/60	53/60	53/60			
CO ₂ % PORT BOILER											
CO ₂ % STBD. BOILER											
OIL LEVEL MAIN SUMP			NORM	N	N	NORM	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		DIESEL OIL		
														METER AT NOON		ON HAND AT START OF DAY		ON HAND		ON HAND		
1200 TO 1600	1	1200	440			9	121	110		63	600	600	240	CONSUMED BY METER	2860		EVAPORATED OR RECEIVED		CONSUMED		CONSUMED	
	2	1200	440			7	144	132		67	650	650	240	RECEIVED DURING DAY	64/48		ON HAND AT START OF DAY		RECEIVED		RECEIVED	
1600 TO 2000	1	1200	440			9	219	108		63	650	650	240	EXPENDED DURING DAY	5510		ON HAND		ON HAND		ON HAND	
	2	1200	440			7	142	130		67	650	650	240	REMAINING ON BOARD			CONSUMED		CONSUMED		CONSUMED	
2000 TO 2400	1	1200	440			9	119	108		63	530	530	240	ON HAND AT START OF DAY			ON HAND		ON HAND		ON HAND	
	2	1200	440			7	142	130		67	650	650	240	EVAPORATED OR RECEIVED			RECEIVED		RECEIVED		RECEIVED	
2400 TO 0400	1	1200	440			9	118	108		63	500	500	240	ON HAND			CONSUMED		CONSUMED		CONSUMED	
	2	1200	440			7	143	131		69	600	600	240	CONSUMED			ON HAND		ON HAND		ON HAND	
0400 TO 0800	1	1200	440			9	118	108		63	500	500	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)								
	2	1200	440			7	142	129		68	600	600	240	L.O. CENTRIFUGE - HOURS OPERATED								
0800 TO 1200	1	1200	440			9	118	108		63	650	650	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
	2	1200	440			7	142	129		68	600	600	240	4	4	4	4	4				
SUMMARY																						
RUNNING TIME														PROPELLER SLIP (%)								
DETENTION TIME														BBL FUEL/MI								
TOTAL REVOLUTIONS														WIND DIRECTION								
AVERAGE R.P.M.														STATE OF SEA								
TOTAL MILES BY ENGINE														STATE OF WEATHER								
TOTAL MILES BY OBSERVATION																						

1200-1600 WATCH

ANCHORED @ VUNG TAU, VIETNAM - MACHINERY IN OPERATION - #1 & #2 BOILERS & F.D. FANS - #1 & #2
~~F.D. FANS~~ D.C. GENS. - #2 F.O. SERVICE PUMP - #1 & #2 M.N. FD PUMP - M.V. AIR COMPRESSOR - M.A. & A.V.
 CIRC. PUMPS - #1 M.N. COND. PUMP - ELEC. L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - M.H. EVAP. ON
 CONT. BLOW FROM #1 BOILER - MAINTAINING VACUUM ON 19A UNIT - JACKING GEAR ENGAGED -
 ROUTINE DUCKY WATCH -

MILHORN - JR. ENG. - REPORTED TO SICK BAY @ 1300 FOR TREATMENT OF INFECTED LEFT EAR - RETURNED @ 1325.

WATCH ENGR'S SIGNATURE.

William W. Leggett

1600-2000 WATCH

MACH'Y AS BEFORE
 BLEW TUBES P/S BOILERS
 COMPLIED W/DEPT ORDERS
 #1 BOILER LEVEL (WATER) CONTROLLER ON MANUAL:
 ROUTINE WATCH:

WATCH ENGR'S SIGNATURE.

C. W. Fry

2000-2400 WATCH

S.W. Evap. Tube Nest dr's. To system @ 2130, switched to #1 bl'r for con't. blow
 Routine watch, mach. @ Above.

WATCH ENGR'S SIGNATURE.

A. Duncan

2400-0400 WATCH

SAME AS BEFORE - ADDED THREE GAL. L.O. TO #2 M.N. FD PUMP -
 ROUTINE PORT WATCH

WATCH ENGR'S SIGNATURE.

William W. Leggett

0400-0800 WATCH

AS BEFORE
 ROUTINE WATCH:
 #1 M.N. FD PUMP ON MANUAL CONTROL:

WATCH ENGR'S SIGNATURE.

C. W. Fry

0800-1200 WATCH

BLEW TUBES P. & S. boilers, TESTED #1 & #2 LIFEBOATS, Held Eng. CASUALTY drill
 E-11, Bridge Notified, 4 men present, cooling water for shaft bearings
 Secured @ 0930, ON 1030, switched to #1 bl'r for con't. blow @ 1000,
 Routine Port watch, mach. @ Above.

WATCH ENGR'S SIGNATURE.

A. Duncan

CHIEF ENGINEER

81 PORT 157309

PA	175	175
TA	350	350
CH	166	166
PH	10	10
SH	1563	1541

CHIEF ENGR'S SIGNATURE.

M. E. Johnson

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE								
GEN. JOHN POPE TAP 110		2		VUNG TAY, VIETNAM		Yokohama, JAPAN		P 52 R 2		1-8/9-66								
		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			158	240	240	240	240				145	145	145	144	144			
DETENTION TIME											148	145	149	148	148			
REVOLUTION COUNTER (END OF WATCH)			67880	7148	7151	33630	7155											
			9230	1340			5940											
TOTAL REVOLUTIONS (FOR WATCH)			11920	22150	22110	22290	22110				92	107	106	106	106			
AVERAGE RPM			71.7	92.3	92.1	92.9	92.1				107	161	153	160	160			
F.O. METER (END OF WATCH)		S 2008090	09060	10350	11500	12670	13810				242	240	239	242	239			
F.O. CONSUMED		600	1970	2600	2300	2340	2280											
PRESSURES	THROTTLE		470	440	440	440	440			SUPER HEAT		P	655	730	710	725	720	720
	H.P. AHEAD		400	420	425	425	425					S	580	625	610	615	630	625
	L.P. AHEAD		22	19.5	19	19	19.5			F.O. TO BURNERS			185	185	190	185	190	190
	VACUUM	28"	28	27.9	28"	28	28					P	130	132	135	136	136	137
	L.O. TO TURBINES	13	13	13	13	13	13					S	130	132	135	136	136	137
	AUX. STEAM	150	150	150	150	150	150			F.O. TEMP. IN SETTLING TANKS		P	107	108	105	106	106	100
	BACK PRESSURE	9	9	9	9	9	9					S	110	106	105	110	106	108
	GLAND STEAM	2	2	0.5	-	0	0.5			PORT BOILER UPTAKE			310	325	310	325	325	310
	H.P. BLEEDER			72	70	70	70			STBD. BOILER UPTAKE			270	255	255	250	255	255
	I.P. BLEEDER			6	6	6	6					F. O. BACK PRESSURE						
L.P. BLEEDER		10	10	12	12	12			MAIN STEAM			440	4	450	450	450	450	
TEMPERATURES	STEAM AT THROTTLE		690	690	700	705	705			F.O. TO BURNERS			150	150	190	170	170	175
	L. P. EXHAUST	135	114	110	111	110	113			MAIN COND. SALINITY			0.41	183	0.41	0.41	0.41	0.41
	CONDENSATE		107	106	106	105	106			ENGINE ROOM TEMPERATURE								
	CIRC. WATER IN	84	82	82	83	83	83			FIRE ROOM TEMPERATURE				106			108	
	CIRC. WATER OUT	98/91	95	92	93	93	94			NOZZLES IN USE				16	16	16	16	16
	L.O. TO COOLERS	106	126	126	124	125	126			NO. OF BURNERS IN USE		P	1	3	3	3	3	3
	L.O. FROM COOLERS	106	111	110	110	109	110					S	1	3	3	3	3	3
	TEMPERATURE THRUST BEARING		117	117	116	116	116					P	53/60	53/70	53/70	53/70	53/70	53/70
	FORWARD H.P. ROTOR BEARING		124	125	118	121	121			BURNER TIP SIZE		S	53/60	53/70	53/70	53/70	53/70	53/70
	AFT. H.P. ROTOR BEARING		136	136	136	135	135			CO ₂ % PORT BOILER								
FORWARD L.P. ROTOR BEARING		130	132	126	130	134			CO ₂ % STBD. BOILER									
AFT. L.P. ROTOR BEARING		130	132	128	127	127			OIL LEVEL MAIN SUMP			N	N	norm	N	N		

1200-1600 WATCH

AT ANCHOR MAINTAINING VACUUM ON MN. UNIT WITH JACING GEAR ENGAGED MACH'Y IN OPER.
 #1 & #2 BOILERS & F.D. FANS - #1 & #2 D.C. GEN'S - #1 & #2 MN. FD. PUMPS - #2 F.O. SERVICE PUMP - 14W. & AUX.
 CIRC. PUMPS - #1 MN. COND. PUMP - AIR COMPRESSOR - ELEC. L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP -
 M.V. EVAP. ON CONT. BLOW FROM #1 BOILER - / CONTAMINATED EVAP. READY FOR USE - TIME CHECK
 & TESTED TELEGRAPH @ 1530 - STBD. STEERING MOTOR ON -

WATCH ENGR'S SIGNATURE-

William W. Leggett

1600-2000 WATCH

REMARKS AS ABOVE: STBY 1624; TACH 71453460; SHAFT 79368160 F.O.M-S 2008160;
 BELLS AS PER BELL LOG: DEPT. TACH 71455160; SHAFT 79369880; F.O.M-S 2008300
 1600Z @ 1750: RENEWED LEAKING 1/4" AIR LINE TO PILOT NOZZLE BLOCK IN BOILER
 LEVEL CONTROLLER ASSEMBLY #1 BOILER; FEED PUMP ON REMOTE MANUAL CONTROL:

WATCH ENGR'S SIGNATURE-

C. J. J. J.

2000-2400 WATCH

Opened L.P., I.P., H.P., EXT'S, switched to LO. SEA SUCT, secured S.W. EVAP. T.N.
 Dr's To Fwd. Eng. Rm., open 2330, switched to #1 bl'r for con't. blow, started #2
 MN. COND. pump. Routine watch,

WATCH ENGR'S SIGNATURE-

A. Duncan

2400-0400 WATCH

Switched Settlers S. to P. @ 2330
 SAME AS BEFORE - EXCEPT - @ 0100 FOUND #2 SPRING BEARING EXCESSIVELY HOT
 FLUSHED SAME FOR 2 HRS. REDUCED TEMP. TO SLIGHTLY ABOVE NORMAL.
 COMPLIED WITH NITE ORDERS - ROUTINE TESTS & INSPECTIONS.

WATCH ENGR'S SIGNATURE-

William W. Leggett

0400-0800 WATCH

REMARKS AS ABOVE:
 SWITCHED MN FEED PUMP CONTROL FROM REMOTE MANUAL to Automatic @ 0600
 Flushed out #2 spring bearing;
 Complied w/ Dept orders;
 Routine watch
 E.R. FIRE ALARM sounding, Notified Bridge

WATCH ENGR'S SIGNATURE-

C. J. J. J.

0800-1200 WATCH

Blew Tubes P. & S. boilers, TESTED #1 & #2 lifeboats, switched to #1 bl'r,
 for con't. blow, Routine watch, mach. as above. Notified Ch. Elec. of
 Excessive brush chatter on #2 S.S. GEN.

WATCH ENGR'S SIGNATURE-

Switched Settlers P. to S. @ 1030

CHIEF ENGINEER

	PORT	STARO
PA	233	233
TA	409	409
CH	2.49	1.66
PH	10	10
SH	1587	1565

CHIEF ENGR'S SIGNATURE-

M. J. J. J.

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEA POPE TAC 110	2	VANG TAW	Yokohama	P2 S2 R2	1-9/10-66

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

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	1	1200	440		9	121	110		63	650	650	240		15760	5058		
	2	1200	440		7	146	133		68	650	650	240		356/340	24312		
1600 TO 2000	1	1200	440		9	120	110		63	650	650	240					
	2	1200	440		7	145	132		68	650	600	240					
2000 TO 2400	1	1200	440		9	120	110		63	750	750	240					
	2	1200	440		7	144	133		68	650	650	240					
2400 TO 0400	1	1200	440		9	119	109		63	700	700	240					
	2	1200	440		7	144	132		68	650	650	240					
0400 TO 0800	1	1200	440		9	118	108		63	600	600	240					
	2	1200	440		7	143	132		68	650	650	240					
0800 TO 1200	1	1200	440		9	118	108		63	650	650	240					
	2	1200	440		7	143	131		68	600	600	240					
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																	
L.O. CENTRIFUGE - HOURS OPERATED																	
SUMMARY																	
RUNNING TIME												PROPELLER SLIP (%)					
DETENTION TIME												BBL FUEL/MI					
TOTAL REVOLUTIONS												WIND DIRECTION					
AVERAGE R.P.M.												STATE OF SEA					
TOTAL MILES BY ENGINE												STATE OF WEATHER					
TOTAL MILES BY OBSERVATION																	