

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE					
GEN POPE TAPIRO		2-J		PUSAN		QUL NAHN		P2 S2 R2		4-13/14-66					
		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			134	122	134	135	134	134
DETENTION TIME										135	134	134	136	135	135
REVOLUTION COUNTER (END OF WATCH)		7610 9730	7610 9730	7614 5070	7616 2280	804	7619 8090			101	101	102	102	102	104
TOTAL REVOLUTIONS (FOR WATCH)		17800	17680	17660	17710	17610	17630			144	142	139	140	140	140
AVERAGE RPM		74.2	73.7	73.5	73.8	73.7	73.5			240	240	240	241	240	240
F.O. METER (END OF WATCH)		P 5603770 S 2298570	64720 99400	5605690 2300250	66640 01120	07610 02000	5608590 2302910								
F.O. CONSUMED		1870	1760	1820	1820	1850	1890								
PRESSURES	THROTTLE	450	450	450	450	450	450			SUPER HEAT	P 740 S 610	700 610	700 610	710 620	720 620
	H.P. AHEAD	315	320	320	320	320				F.O. TO BURNERS	140	140	140	140	140
	L.P. AHEAD	3	4	4	4	4				AIR TO FURNACE	P 140 S 140	136 136	138 138	136 136	136 137
	VACUUM	28"	28"	28"	28"	28"	28"			F.O. TEMP. IN SETTLING TANKS	P 89 S 88	90 88	92 90	92 90	92 92
	L.O. TO TURBINES	13	13	13	13	13	13			PORT BOILER UPTAKE	285	265	265	265	280
	AUX. STEAM	150	150	150	150	150	150			STBD. BOILER UPTAKE	260	245	245	245	260
	BACK PRESSURE	9	9	9	9	9	9			F. O. BACK PRESSURE					
	GLAND STEAM			1"	1"	1"	1"			MAIN STEAM	450	450	450	450	450
	H.P. BLEEDER	70	70		70					F.O. TO BURNERS	180	190	180	200	200
	I.P. BLEEDER														
L.P. BLEEDER	17	16	18"	18	18	18									
TEMPERATURES	STEAM AT THROTTLE	680	680	670	690	700	700			MAIN COND. SALINITY		0.41		0.41	
	L. P. EXHAUST	99	100	100	100	100	102			ENGINE ROOM TEMPERATURE			104		106
	CONDENSATE	101	101	102	102	102	104			FIRE ROOM TEMPERATURE			104		106
	CIRC. WATER IN	85	84	85	86	85	87			NOZZLES IN USE	THROT.	T	10	T	T
	CIRC. WATER OUT	89	89	90	90	92	92			NO. OF BURNERS IN USE	P 2 S 2	2 2	2 2	2 2	2 2
	L.O. TO COOLERS	119	119	119	119	120	120			BURNER TIP SIZE	P 53/70 S 53/70	53/70 53/70	53/70 53/70	53/70 53/70	53/70 53/70
	L.O. FROM COOLERS	107	108	107	107	108	107			CO ₂ % PORT BOILER					
	TEMPERATURE THRUST BEARING	112	113	115	113	115	115			CO ₂ % STBD. BOILER					
	FORWARD H.P. ROTOR BEARING	122	120	123	123	122	124			OIL LEVEL MAIN SUMP	N	N	N	N	N
	AFT. H.P. ROTOR BEARING	130	128	130	131	129	130								
FORWARD L.P. ROTOR BEARING	124	122	124	125	124	125									
AFT. L.P. ROTOR BEARING	122	122	123	123	122	124									

WATCH	GENERATORS													FUEL - WATER AND LUBE OIL															
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PRE- VIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	BOILER WATER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED	CONSUMED	
1200 TO 1600	1	1200	440		9	124	114		62	1350	1350	240	8590	2910	11030	16233													
	2	1200	440		7	149	135		70	1350	1350	240	2770	7700															
1600 TO 2000	1	1200	440		9	122	112		62	1350	1350	240																	
	2	1200	440		7	147	133		70	1350	1350	240																	
2000 TO 2400	1	1200	440		9	124	114		62	1300	1300	240																	
	2	1200	440		7	147	134		70	1300	1300	240																	
2400 TO 0400	1	1200	440		9	124	114		62	1250	1250	240																	
	2	1200	440		7	149	134		70	1250	1250	240																	
0400 TO 0800	1	1200	440		9	124	113		62	1400	1400	240																	
	2	1200	440		7		148	134		70	1400	1400	240																
0800 TO 1200	1	1200	440		9	125	115		62	1400	1400	240																	
	2	1200	440		7	150	135		70	1400	1400	240																	
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)													L.O. CENTRIFUGE - HOURS OPERATED																
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200											
													4	4	4	4	4	4											
													SUMMARY																
													RUNNING TIME	24.425	PROPELLER SLIP (%)														
													DETENTION TIME		BBL FUEL/MI														
													TOTAL REVOLUTIONS	106160	WIND DIRECTION														
													AVERAGE R.P.M.	73.7	STATE OF SEA														
													TOTAL MILES BY ENGINE	393	STATE OF WEATHER														
													TOTAL MILES BY OBSERVATION																

REMARKS

1200-1600 WATCH

UNDERWAY ON THROTTLE - MACH'Y IN OPERATION - #1 & #2 BLKS & F.D. FANS - #1 & #2 D.C. GEN'S -
 MN & AUX AIR EJECTORS - #1 & #2 MN F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS & F.O. HTAS - #1 MN COND
 PUMP - MN & AUX ^{L.O. PUMPS} ~~AIR EJECTORS~~ - AIR COMPRESSOR - L.O. SERVICE PUMP L.O. PURIFIER - STBD.
 STEERING MOTOR
 ROUTINE TESTS & INSPECTIONS

HP & LP END PLY 010

1600-2000 WATCH

AS BEFORE: 74 RPM
 BLEW TUBES P/S BOILERS:
 ROUTINE WATCH:

WATCH ENGR'S SIGNATURE -

William H. Seyer

2000-2400 WATCH

As Before, frapt; changed to Inboard Settler @ 2320 - Pumped Eng.
 Space Bilges -

WATCH ENGR'S SIGNATURE -

CW Fry

2400-0400 WATCH

SAME AS BEFORE

CALLED MR KNAPP, DAY 2ND A/E, @ 0001 - A.C. UNIT FAILURE -
 COMPLIED WITH NITE ORDERS

WATCH ENGR'S SIGNATURE -

M. Fox

0400-0800 WATCH

AS ABOVE
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William H. Seyer

0800-1200 WATCH

Machinery as Before, frapt; Blew Tubes #1 & #2 Boilers 0800-0820 -
 changed & cleaned fuel oil hot Strainers & Burners - changed to
 Outboard Settler @ 1120 - Pumped Eng. Space & #1 & #2 Hold Bilges -

WATCH ENGR'S SIGNATURE -

CW Fry

CTR-76198090 #1 FOM-2302910 #2 FOM-5608590 WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER	PORT	STBD
14	PA	993
	TA	12.85
	CH	2.05
	PO ⁴	35
	SO ³	60
	SH	135
		11.68
		15.18
		2.07
		30
		70
		180

CHIEF ENGR'S SIGNATURE -

M. Fox

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE						
GEN. POPE TAPILO		2-J		POSON, KOREA		QUINAHN, VIETNAM		D2 S2 R2		4-14/566						
		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	198		MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD		135	134	133	134	120
DETENTION TIME								TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING AFT		137	135	132	135	118
REVOLUTION COUNTER (END OF WATCH)		7621 5840	33610	7625 50400	7626 7210	7540	7629 7730			AUX. COND. CONDENSATE		106	104	98	98	98 92
TOTAL REVOLUTIONS (FOR WATCH)		17750	15960	16790	16810	8230				1ST STAGE FEED WATER HEATER		142	140	109	108	106
AVERAGE RPM		74.0	66.8	69.9	70.0	57.				D. C. FEED WATER HEATER		239	240	240	239	240 241
F.O. METER (END OF WATCH)		P 5609510 S 2303840	10430 04750	5611250 2303580	12100 06450	12840 2307050	5613270 2307430			3RD STAGE FEED WATER HEATER						
F.O. CONSUMED		1850	1880	1650	1720		810			SUPER HEAT		P 725	720	720	700	705 555
		450	450	450	450	450	450			S 625		605	605	600	590	690
THROTTLE		340	335	280	290					F.O. TO BURNERS		146	140	140	140	140
H.P. AHEAD		4	4	1	1					P 140		136	132	134	132	136
L.P. AHEAD		28"	28	28"	28"	28	28"			S 140		136	132	134	132	136
VACUUM		13	13	13	13	13	13			F.O. TEMP. IN SETTLING TANKS		P 89	90	95	96	96 95
L.O. TO TURBINES		150	150	150	150	150	150			S 90		90	92	91	92	94
AUX. STEAM		9	9	9	9	9	9			PORT BOILER UPTAKE		280	270	265	265	255 240
BACK PRESSURE			0.5	1		1	2			STBD. BOILER UPTAKE		255	250	240	245	240 235
GLAND STEAM										F. O. BACK PRESSURE						
H.P. BLEEDER										MAIN STEAM		450	450	450	450	450 450
I.P. BLEEDER										F.O. TO BURNERS		200	200	165	180	
L.P. BLEEDER		18	18							MAIN COND. SALINITY			0.41		0.41	
STEAM AT THROTTLE		690	690	680	680					ENGINE ROOM TEMPERATURE				105		106
L. P. EXHAUST		103	103	100	97	132	133 118			FIRE ROOM TEMPERATURE				105		106
CONDENSATE		106	104	98	98	98	92			NOZZLES IN USE		TH- T	10	THAT		
CIRC. WATER IN		87	86	85	83	84	85			NO. OF BURNERS IN USE		P 2	2	2	2	1 1
CIRC. WATER OUT		93	92	90	88	87	96 95			S 2		2	2	2	2	1 1
L.O. TO COOLERS		120	120	120	119	118				P 53/70		53/70	53/70	53/70	53/70	53/70 53/70
L.O. FROM COOLERS		108	108	108	107	108	110			S 53/70		53/70	53/70	53/70	53/70	53/70
TEMPERATURE THRUST BEARING		114	114	114	113	108				CO2 % PORT BOILER						
FORWARD H.P. ROTOR BEARING		125	124	123	121	115				CO2 % STBD. BOILER						
AFT. H.P. ROTOR BEARING		132	130	130	130	118				OIL LEVEL MAIN SUMP		N	N	N	N	N N
FORWARD L.P. ROTOR BEARING		125	123	125	124	115										
AFT. L.P. ROTOR BEARING		124	122	123	122	114										

WATCH		GENERATORS												FUEL - WATER AND LUBE OIL											
		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL					
1200 TO 1600		1	1200	440		9	125	115		62	1350	1350	240	METER AT NOON	13270/07430	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		ON HAND					
		2	1200	440		7	150	136		72	1350	1350	240	METER PREVIOUS NOON	58590/02910	ON HAND		CONSUMED		CONSUMED					
1600 TO 2000		1	1200	440		9	124	114		62	1350	1350	240	CONSUMED BY METER	9200	RECEIVED DURING DAY		RECEIVED		ON HAND					
		2	1200	440		7	148	138		72	1350	1350	240	ON HAND AT START OF DAY	15701	EXPENDED DURING DAY	219/215	ON HAND		CONSUMED					
2000 TO 2400		1	1200	440		9	124	114		62	1300	1300	240	REMAINING ON BOARD	15267	ON HAND AT START OF DAY	560	ON HAND		CONSUMED					
		2	1200	440		7	148	134		70	1300	1300	240	ON HAND AT START OF DAY	560	EVAPORATED OR RECEIVED	165	ON HAND		CONSUMED					
2400 TO 0400		1	1200	440		9	123	112		62	1300	1300	240	ON HAND	302	ON HAND		RECEIVED		RECEIVED					
		2	1200	440		7	148	134		70	1300	1300	240	CONSUMED	423	CONSUMED		CONSUMED		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																		
		5	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 THROTTLE @ REDUCED SPEED - MACH'Y IN OPERATION - #1 & #2 BLKS & F.D. FANS -
 #1 & #2 D.C. GEN. - MN & AUX AIR EXHAUSTORS - #1 & #2 MN. FD. PUMPS - #1 & #2 F.O. SERVICE PUMPS
 & F.O. HTRES. - AIR COMP - MN & AUX CIRC. PUMPS - #1 MN. COND. PUMP - L.O. SERVICE PUMP - L.O.
 BORIFIER - STBD STEERING MOTOR / STEAM TO WHISTLE SECURED B/O BRIDGE -
 ROUTINE TESTS & INSPECTIONS OF MACHINERY & OUTSIDE SPACES.

HP & LP END PLAY. 010

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

AS BEFORE 74 RPM:

BLEW TUBES P/S BOILER'S:

MALFUNCTION #1 MN. CONDSTE. PUMP; #2 IN SERVICE:

ROUTINE WATCH

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

Machinery as Before, except; Reduced Speed to 70 R.P.M. @ 2000
 #1 & #2 - changed to Inboard Settles @ 2320 - Pumped frg. Spec. Bilges

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

SAME AS BEFORE

CALLED CH. ELECT. @ 0215 FOR STEWARD DEPARTMENT

COMPLIED WITH NTPB ORDERS

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

DECREASE SPEED B/O-B 54 RPM @ 0400: TRANS F.O. from #2 ST to #5 ST/B,
 STBY/0600: ARRIVAL 0618, CTR 76275940 P-FOM 5612610 S-FOM 2306860
 BELLS AS PER BELL BOOK: FWE 0723 CTR 76277640 P-FOM 5612810 S-FOM 2307030
 JACKING Gear Engaged 0726:

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

As Before, at anchor Qui Nahn, Vietnam - Permission Denied by
 Bridge to Blow Boiler Tubes - Bilges @ Safe Level - Test Run
 #1 & #2 Life Boat Motor & #1 & #2 Emergency Fire Pumps -

CTR- 76277730

#1 FOM - 2307430 #2 FOM - 5613270

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

15	PGRT	STBD
PA	8.76	1051
TA	11.68	1518
CH	2.07	207
PO ⁴	35	35
SO ³	60	70
SH	159	204

CHIEF ENGR'S SIGNATURE

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
GEAL POPE TAP 110		2-5		@ QUI NAHN VIETNAM				P-521R2		4-15/16-66	

	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							MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD						
DETENTION TIME								HOTTEST GEAR BEARING AFT						
REVOLUTION COUNTER (END OF WATCH)								AUX. COND. CONDENSATE	85	92	93	91	88	92
TOTAL REVOLUTIONS (FOR WATCH)								1ST STAGE FEED WATER HEATER						
AVERAGE RPM								D. C. FEED WATER HEATER	240	240	240	240	240	240
F.O. METER (END OF WATCH)	P 5613680	14090	5614490	14880	15290	5615710	3RD STAGE FEED WATER HEATER							
F.O. CONSUMED	S 2307820	08230	2308610	08990	09360	2309740								
PRESSURES	THROTTLE						TEMPERATURES	SUPER HEAT	P 700	690	680	685	690	690
	H.P. AHEAD							S 570	570	530	565	570	570	
	L.P. AHEAD							F.O. TO BURNERS	140	140	140	140	140	
	VACUUM	28"	28 3/4"	28"	28"	28"		28"						
	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	3.5	3.5	3.5	3.5	3.5		3.5						
	H.P. BLEEDER													
	I.P. BLEEDER													
TEMPERATURES	STEAM AT THROTTLE						PRESSURES	MAIN STEAM	450	450	450	450	450	450
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	PORT BOILER UPTAKE	245	245	240	240	240	240
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	STBD. BOILER UPTAKE	240	235	225	225	230	230
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	F. O. BACK PRESSURE						
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	MAIN COND. SALINITY		0.41		0.41	0.41	
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	ENGINE ROOM TEMPERATURE						
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	FIRE ROOM TEMPERATURE						
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	NOZZLES IN USE						
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	NO. OF BURNERS IN USE	P 1	1	1	1	1	1
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	BURNER TIP SIZE	P 53/70	53/70	53/70	53/70	53/70	53/70
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	CO ₂ % PORT BOILER						
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	CO ₂ % STBD. BOILER						
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE		82	93		88		92						
	CIRC. WATER IN	83	86	84	84	82		84						
	CIRC. WATER OUT	97 1/3	102 1/8	106 1/8	99 1/2	87 1/8		106 1/8						
	L.O. TO COOLERS													
	L.O. FROM COOLERS	110	110	110	110	110		110						
	TEMPERATURE THRUST BEARING													
	FORWARD H.P. ROTOR BEARING													
	AFT. H.P. ROTOR BEARING													
TEMPERATURES	STEAM AT THROTTLE						TEMPERATURES	OIL LEVEL MAIN SUMP	N	N	N	N	N	N
	L. P. EXHAUST	143	140 1/2	139	135	135 1/2		134						
	CONDENSATE													

REMARKS

1200-1600 WATCH

@ ANCHOR - MAINTAINING VACUUM ON MN UNIT - JACKING GEAR ENGAGED - MACH 4
IN OPERATION - #1 & #2 BLCS & F.D. FANS - #1 & #2 D.C. GEN'S - MN & AUX AIR EJECTORS - #1 & #2
MN F.D. PUMPS - #1 & #2 F.O. HTS & F.O. SERVICE PUMPS - MN COND PUMP - MN CIRC
PUMP - L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - A.C. UNIT - CLEANED L.O.
PURIFIER BACK ON SUMP TO SUMP - TEST CON EMER. DIESEL GEN 30 MINS -
ROUTINE PORT WATCH -

WATCH ENGR'S SIGNATURE -

William N. Leggett

1600-2000 WATCH

AS BEFORE:

BLEW TUBES P/S BOILERS
TRANS F.O. FROM #25 TO 5100:
ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

CWJ

2000-2400 WATCH

as before, except; changed to outboard Settles @ 2320 - Pumped
2 1/2 of Eng. Space Bilge -

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

Same as before

Complied with NITE ORDERS
ROUTINE WATCH

Jr. Eng - MALKORN - FWT BORER OVER DIES FLEET BROOKS

WATCH ENGR'S SIGNATURE -

William N. Leggett

0400-0800 WATCH

AS BEFORE

ROUTINE WATCH

TRANS F.O. FROM #50 TO 2500:

WATCH ENGR'S SIGNATURE -

CWJ

0800-1200 WATCH

Machinery as before, except; changed & cleaned Fuel oil Hot Strainers
& Burner - Pumped Eng. Space Bilge - A.C. Unit Fwd @ 1045, Trapped
out & reset, Back on @ 1100 -

#1 FOM-2309740 #2 FOM-5615710

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

PORT	STBD
PA 11.68	11.10
TA 15.15	14.60
CH 2.07	2.07
PO ⁴ 20	35
SO ³ 60	70
SH 173	228

CHIEF ENGR'S SIGNATURE -

M. Fox

USNS GEN POPE TAPILO VOYAGE NO. 2-JAB FROM QU. NAHN TO OAKLAND TYPE OF VESSEL P2S2R2 DATE 4-16/12-66

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		120	240	240	240	240			150	144	155	152	145
DETENTION TIME									146	146	149	146	146
REVOLUTION COUNTER (END OF WATCH)		88550	7631080	76333640	56200	76378710							
TOTAL REVOLUTIONS (FOR WATCH)		9250	22560	22560	22560	22510							
AVERAGE RPM		92.5	93.8	94.0	94.0	93.8							
F.O. METER (END OF WATCH)		P5616110	17000	5618450	19900	51340							
F.O. CONSUMED		S2300110	00950	231270	13630	14970							
THROTTLE		450	450	450	450	450							
H.P. AHEAD		435	430	435	435	435							
L.P. AHEAD		19	23	24	24	24							
VACUUM	28"	28"	28"	28"	28"	28"							
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	3.5	1.0	1	1.5	1.5	1.5							
H.P. BLEEDER		67											
I.P. BLEEDER		7	7	7	7	7							
L.P. BLEEDER		10	10	11		9							
STEAM AT THROTTLE		710	710	720	715	725							
L. P. EXHAUST	135	110	114	116	118	120							
CONDENSATE		108	110	109	110	112							
CIRC. WATER IN	82	84	85	86	87	87							
CIRC. WATER OUT	100 97	94	96	96	97	97							
L.O. TO COOLERS		124	125	125	124	125							
L.O. FROM COOLERS	110	109	107	108	108	107							
TEMPERATURE THRUST BEARING		116	116	116	115	116							
FORWARD H.P. ROTOR BEARING		124	125	126	123	125							
AFT. H.P. ROTOR BEARING		136	136	137	135	135							
FORWARD L.P. ROTOR BEARING		130	132	132	130	132							
AFT. L.P. ROTOR BEARING		126	128	130	128	129							
HOTTEST GEAR BEARING FORWARD													
HOTTEST GEAR BEARING AFT													
AUX. COND. CONDENSATE		90	108	110	109	110							
1ST STAGE FEED WATER HEATER			158	161	159	160							
D. C. FEED WATER HEATER		240	240	241	239	239							
3RD STAGE FEED WATER HEATER													
SUPER HEAT	P	650	750	740	735	740							
	S	540	635	635	630	645							
F.O. TO BURNERS		146	140	140	140	140							
AIR TO FURNACE	P	132	136	140	140	140							
	S	132	136	140	140	140							
F.O. TEMP. IN SETTLING TANKS	P	88	90	94	96	98							
	S	86	90	93	92	96							
PORT BOILER UPTAKE		240	285	300	295	345							
STBD. BOILER UPTAKE		230	290	290	295	310							
F. O. BACK PRESSURE													
MAIN STEAM		450	450	450	450	450							
F.O. TO BURNERS		180	190	190	190	190							
MAIN COND. SALINITY			0.41			0.41							
ENGINE ROOM TEMPERATURE				107									110
FIRE ROOM TEMPERATURE				107									110
NOZZLES IN USE			16	16	16	16							16
NO. OF BURNERS IN USE	P	1	3	3	3	3							3
	S	1	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		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		DIESEL OIL					
													METER AT NOON	METER PREVIOUS NOON	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED
1200 TO 1600	1	1200	440		9	123	112		62	1250	1250	240	82790/16320	13710/08740	13660	15070								
	2	1200	440		7	150	137		70	1250	1250	240												
1600 TO 2000	1	1200	440		9	124	112		62	1400	1400	240		325/287	14458									
	2	1200	440		7	150	136		70	1400	1400	240												
2000 TO 2400	1	1200	440		9	125	114		62	1350	1350	240		285										
	2	1200	440		7	152	137		70	1350	1350	240		180										2000
2400 TO 0400	1	1200	440		9	125	115		62	1250	1250	240		380										
	2	1200	440		7	152	137		70	1300	1300	240		85										
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																								
L.O. CENTRIFUGE - HOURS OPERATED																								
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200																		
	4	4	4	4		4																		
SUMMARY																								
RUNNING TIME													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

@ ANCHOR - MAINTAINING VACUUM ON M.V. UNIT - JACKING GEAR ENGAGED - MACH'Y IN OPERATION - #1 & #2 BLES & F.O. FANS - #1 & #2 DC. GENS - M.V. & AUX. AIR SECTORS - #1 & #2 M.V. F.O. PUMPS - #1 & #2 F.O. SERVICE PUMPS & F.O. HTS - M.V. CIRC. PUMP - #1, 14 N. COND. PUMP - H.O. PURIFIER - L.O. SERVICE PUMP - F.W. PUMP - AIR COMP - A.C. UNIT - ROUTINE WATCH -

WATCH ENGR'S SIGNATURE -

William W. Leggett

1600-2000 WATCH

MACH'Y AS ABOVE: TELEG & CLOCK CHECKED W/BRIDGE @ 1618: SCREW CLEARANCE F/BRIDGE. JACKING GEAR DISENGAGED & ROLLING M.V. UNIT @ 1625: PORT STEERING GEAR IN SERVICE. STAY 1730 CTR 76278400, P.F.O.M. - 5616230, S.F.O.M. 2300240: BELLS AS PER BELL BOOK: DEPT 1800 P.F.O.M. 5616430, S.F.O.M. 2310420: UNDERWAY ON 16 NOV. CTR 76277640

WATCH ENGR'S SIGNATURE -

CW Fry

2000-2400 WATCH

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

WATCH ENGR'S SIGNATURE -

M. Fox

2400-0400 WATCH

SAME AS BEFORE EXCEPT SINGLED PLANT.
COMPLIED WITH NITE ORDERS
ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William W. Leggett

0400-0800 WATCH

AS ABOVE

WATCH ENGR'S SIGNATURE -

CW Fry

0800-1200 WATCH

Machinery as Before, Except; Blew Dikes #1 & #2 Boilers 0800-0830 - changed & cleaned fuel oil Hot, Strainers & Burners - changed to Outboard Settler @ 1115 - Ship's Force working on Bilge System - Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE -

M. Fox

#1 FOM - 2316320 #2 FOM - 5722790 CTR - 76378710

CHIEF ENGINEER

	PORT	STRBD
PA	1226	1168
TA	15.77	15.15
CH	2.07	2.49
PO ⁴	35	15
SO ³	60	70
SH	197	252

CHIEF ENGR'S SIGNATURE -

M. Fox

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE									
GEN POPE TAPILO		2-I		QUI NAHN		OAKLAND		B.S.R.2		17/18 4-4-12-6									
		WATCH								WATCH									
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200				
RUNNING TIME		240	240	240	240	240	240	MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD		154	150	145	153	150	145		
DETENTION TIME								TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING AFT		147	147	147	147	145	145		
REVOLUTION COUNTER (END OF WATCH)		7640 1190	23480	7644 5810	7646 8270	90620	7651 0680	TEMPERATURES (CONT'D)		AUX. COND. CONDENSATE		112	110	111	111	109	107		
TOTAL REVOLUTIONS (FOR WATCH)		22480	22290	22330	22460	22400	20010	TEMPERATURES (CONT'D)		1ST STAGE FEED WATER HEATER		161	158	161	161	160	159		
AVERAGE RPM		93.7	92.9	93	93.6	93.3	83.4	TEMPERATURES (CONT'D)		D. C. FEED WATER HEATER		241	240	241	238	240	241		
F.O. METER (END OF WATCH)		P 373420 S 2312650	25730 18966	5627170 1320150	28650 21580	30130 22920	5731360 1324020	TEMPERATURES (CONT'D)		3RD STAGE FEED WATER HEATER									
F.O. CONSUMED		2810	2720	2730	2810	2820	2330	TEMPERATURES (CONT'D)		SUPER HEAT		P 740 S 635	740	740	730	730	730		
PRESSURES		THROTTLE	450	450	450	450	450	450	TEMPERATURES (CONT'D)		F.O. TO BURNERS		140	140	140	140	140	140	
		H.P. AHEAD	435	435	435	435	435	435	435	TEMPERATURES (CONT'D)		AIR TO FURNACE		P 142 S 142	142	142	142	140	140
		L.P. AHEAD	23	23	23	23	23	21	21	TEMPERATURES (CONT'D)		F.O. TEMP. IN SETTLING TANKS		P 92 S 88	90	92	95	94	96
		VACUUM	28"	28"	28"	28"	28"	27.5"	27.5"	TEMPERATURES (CONT'D)		PORT BOILER UPTAKE		300	295	300	300	310	305
		L.O. TO TURBINES	13	13	13	13	13	13	13	TEMPERATURES (CONT'D)		STBD. BOILER UPTAKE		280	280	280	280	295	270
		AUX. STEAM	150	150	150	150	150	150	150	PRESSURES		F. O. BACK PRESSURE							
		BACK PRESSURE	9	9	9	9	9	9	9	PRESSURES		MAIN STEAM		450	450	450	450	450	450
		GLAND STEAM	1.5	1.5	1.5	1.5	1.5	1.5	1.5	PRESSURES		F.O. TO BURNERS		190	190	190	190	190	160
		H.P. BLEEDER	70		70	70		70	70	PRESSURES		MAIN COND. SALINITY			0.41		0.41		
		I.P. BLEEDER	6	6	6	6	6	6	6	PRESSURES		ENGINE ROOM TEMPERATURE				110			
L.P. BLEEDER	9	10	9	9	10	11	11	PRESSURES		FIRE ROOM TEMPERATURE				110					
TEMPERATURES		STEAM AT THROTTLE	710	715	715	710	705	700	PRESSURES		NOZZLES IN USE		16	16	16	16	16	16	
		L. P. EXHAUST	120	120	119	113	116	110	110	PRESSURES		NO. OF BURNERS IN USE		P 3 S 3	3	3	3	3	3
		CONDENSATE	112	110	111	111	109	107	107	PRESSURES		BURNER TIP SIZE		P 53/70 S 53/70	5370	5370	5370	5370	5370
		CIRC. WATER IN	89	87	87	85	85	86	86	PRESSURES		CO ₂ % PORT BOILER							
		CIRC. WATER OUT	98	98	97	95	95	96	96	PRESSURES		CO ₂ % STBD. BOILER							
		L.O. TO COOLERS	125	124	124	122	124	122	122	PRESSURES		OIL LEVEL MAIN SUMP		N	N	N	N	N	N
		L.O. FROM COOLERS	108	108	107	105	108	108	108	PRESSURES									
		TEMPERATURE THRUST BEARING	116	115	116	114	115	115	115	PRESSURES									
		FORWARD H.P. ROTOR BEARING	126	122	124	124	124	124	124	PRESSURES									
		AFT. H.P. ROTOR BEARING	136	135	135	135	135	135	135	PRESSURES									
MISCELLANEOUS		FORWARD L.P. ROTOR BEARING	132	130	131	131	130	130	PRESSURES										
		AFT. L.P. ROTOR BEARING	129	127	127	127	127	128	128	PRESSURES									

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH 4 IN OPERATION - #1 & #2 BLWS & F.D. FANS - #1 & #2 D.C. GEN'S -
 MN. AIR EJECTOR - #1 & #2 MN.F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS & F.O. HTES - AIR COMP - 14 IN
 CIRC. PUMP - #1 MN. COND PUMP - L.O. SERVICE PUMP - L.O. PUMPER - A.C. UNIT - PORT STEERING MOTOR -
 FW PUMP / ROUTINE WATCH - CALLED CH. ELECT. TO INSPECT #1 GEN. @ 1530

HULL END PROX. 00

1600-2000 WATCH

AS BEFORE

BLEW TUBES AS BOILERS
 PUMPING #4 STBD HOLD
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE

William W. Leggett

2000-2400 WATCH

AS BEFORE EXCEPT CHANGED TO INBOARD SETTLER @ 2315 - Pumped Eng.
 Space #4 & #2 P/S inld Bilges

WATCH ENGR'S SIGNATURE

C. W. Fry

2400-0400 WATCH

SAME AS BEFORE EXCEPT CHANGED TO STBD. STEERING MOTOR.
 ROUTINE WATCH / FWD. STEERING GEAR ALARM FAILED TO SOUND

WATCH ENGR'S SIGNATURE

M. Fox

0400-0800 WATCH

AS BEFORE
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE

William W. Leggett

0800-1200 WATCH

Blew Tubes #1 & #2 Boilers 0800-0820 - at 0830 Eng. casualty acct.
 Loss of Feed Water #1 Boiler - Z @ 0833 LH @ 0841 - Secured A.C.
 Unit - Started aux. circulation - changed to outboard settler @ 1120 -
 Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE

C. W. Fry

CTR-76510680 #1 FOM-2324020 #2 FOM-5731360

WATCH ENGR'S SIGNATURE

M. Fox

CHIEF ENGINEER

28	PORT	STBD
PA	2285	1168
TA	1694	1460
CH	249	280
POY	35	30
SO ³	60	70
SH	225	276

CHIEF ENGR'S SIGNATURE

M. Fox

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN POPE TAPILO	2-K	VIETNAM	USA	PESER2	4-18/19-66

		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	240	240	240	240	240	MACH. PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD	154	155	145	155	154
		DETENTION TIME								HOTTEST GEAR BEARING AFT	147	145	145	147	146
		REVOLUTION COUNTER (END OF WATCH)	7653 2980	55240	7657 7620	7660 0090	22340 4700			AUX. COND. CONDENSATE	107	106	105	105	104
		TOTAL REVOLUTIONS (FOR WATCH)	22300	22260	22380	22470	22250 22450			1ST STAGE FEED WATER HEATER	155	165	153	154	155
		AVERAGE RPM	92.9	92.8	93.1	93.6	92.7 93.5			D. C. FEED WATER HEATER	240	240	240	240	240
		F.O. METER (END OF WATCH)	5732670 2325160	33980 26290	5735310 2327440	36580 28640	37870 29850			3RD STAGE FEED WATER HEATER					
		F.O. CONSUMED	2450	2440	2480	2370	2450 2470			SUPER HEAT	P 725 S 625	740 610	740 610	745 600	745 600
		THROTTLE	450	450	450	450	450			F.O. TO BURNERS	140	140	140	140	140
		H.P. AHEAD	430	435	430	430	430			AIR TO FURNACE	P 128 S 128	136 136	134 134		134
		L.P. AHEAD	18	19	19	20	19			F.O. TEMP. IN SETTLING TANKS	P 94 S 89	94 90	94 90	94 92	92
MACHINERY PARTICULARS	TEMPERATURES	VACUUM	28"	27.5"	28"	28"	27.8"	BOILER PARTICULARS	PRESSURES	PORT BOILER UPTAKE	295	295	295	300	280
		L.O. TO TURBINES	13	13	13	13	13			STBD. BOILER UPTAKE	260	265	285	285	305
		AUX. STEAM	150	150	150	150	150			F. O. BACK PRESSURE					
		BACK PRESSURE	9	9	9	9	9			MAIN STEAM	450	450	450	450	450
		GLAND STEAM	1	0.5	1	0.5	1			F.O. TO BURNERS	150	150	160	160	160
		H.P. BLEEDER								MAIN COND. SALINITY		0.41		0.41	
		I.P. BLEEDER	6	6	6	6	6			ENGINE ROOM TEMPERATURE			102		102
		L.P. BLEEDER	11	11	11	11	10			FIRE ROOM TEMPERATURE			102		102
		STEAM AT THROTTLE	700	700	700	700	700			NOZZLES IN USE	16	16	16	16	16
		L. P. EXHAUST	108	109	109	107	108			NO. OF BURNERS IN USE	P 3 S 3	3 3	3 3	3 3	3
MACHINERY PARTICULARS	TEMPERATURES	CONDENSATE	107	106	105	105	104	MISCELLANEOUS		BURNER TIP SIZE	P 53/70 S 53/70	53/70 53/70	53/70 53/70	53/70 53/70	53/70 53/70
		CIRC. WATER IN	85	84	84	82	82			CO ₂ % PORT BOILER					
		CIRC. WATER OUT	94	94	93	92	92			CO ₂ % STBD. BOILER					
		L.O. TO COOLERS	123	125	124	124	124			OIL LEVEL MAIN SUMP	N	N	N	N	N
		L.O. FROM COOLERS	106	108	107	107	107								
		TEMPERATURE THRUST BEARING	114	115	115	115	115								
		FORWARD H.P. ROTOR BEARING	124	125	125	124	122								
		AFT. H.P. ROTOR BEARING	135	134	135	135	134								
		FORWARD L.P. ROTOR BEARING	130	128	130	131	128								
		AFT. L.P. ROTOR BEARING	125	125	129	128	127								

		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		
WATCH	1200 TO 1600	1	1200	440		9	124	114		62	650	650	240	FUEL OIL	METER AT NOON
		2	1200	440		7	150	136		70	650	650	240		METER PREVIOUS NOON
WATCH	1600 TO 2000	1	1200	440		9	122	112		62	650	650	240	DOMESTIC WATER	CONSUMED BY METER
		2	1200	440		7	148	134		70	650	650	240		ON HAND AT START OF DAY
WATCH	2000 TO 2400	1	1200	440		9	122	112		62	650	650	240	LUBE OIL	RECEIVED DURING DAY
		2	1200	440		7	148	135		72	650	650	240		EXPENDED DURING DAY
WATCH	2400 TO 0400	1	1200	440		9	122	112		62	650	650	240	DIESEL OIL	REMAINING ON BOARD
		2	1200	440		7	148	134		70	650	650	240		ON HAND AT START OF DAY
WATCH	0400 TO 0800	1	1200	440		9	122	112		62	650	650	240		EVAPORATED OR RECEIVED
		2	1200	440		7	148	134		70	650	650	240		ON HAND
WATCH	0800 TO 1200	1	1200	440		9	122	111		62	650	650	240		CONSUMED
		2	1200	440		7	147	134		70	650	650	240		CONSUMED

FUEL - WATER AND LUBE OIL					
FUEL OIL	METER AT NOON	39060/31080	BOILER WATER	ON HAND AT START OF DAY	47
	METER PREVIOUS NOON	51360/24020		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	14760		ON HAND	80
	ON HAND AT START OF DAY	13772		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
EXPENDED DURING DAY	351/371	RECEIVED			
REMAINING ON BOARD	13086	ON HAND			
ON HAND AT START OF DAY	512	CONSUMED			
DOMESTIC WATER	EVAPORATED OR RECEIVED	100	DIESEL OIL	ON HAND	2000
	ON HAND	527		RECEIVED	
	CONSUMED	85		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	24412.5		PROPELLER SLIP (%)		
DETENTION TIME			BBL FUEL/MI		
TOTAL REVOLUTIONS	134020		WIND DIRECTION		
AVERAGE R.P.M.	93.06		STATE OF SEA		
TOTAL MILES BY ENGINE	496		STATE OF WEATHER		
TOTAL MILES BY OBSERVATION					

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH'Y IN OPERATION - #1 & #2 BARS & F.D. FANS - #1 & #2 D.C. GEN'S -
 MN. AIR EJECTORS - #1 & #2 MN. FD PUMPS - #1 & #2 F.O. SERVICE PUMPS & F.O. HTS. - AIR COMP -
 MN. CIRC. PUMP - #1 MN. COND. PUMP - L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - STBD STEERING MOTOR -
 ROUTINE WATCH

HOLD PEND PAX 010

1600-2000 WATCH

AS ABOVE EXCEPT Comb/Control Bd. RESTORED TO AUTO.:
 BLEW TUBES P/S BOILERS
 TELEP. CIRCUIT (J) OUT OF ORDER:
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

2000-2400 WATCH

AS BEFORE, EXCEPT; Electrician Put Telephone Circuit "J" Back
 in Service - changed to Dr board Settler @ 2320 - Pumped Eng.
 Spaces & 4 P/S Hold 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 EXCEPT #1 & #2 BOILERS CHL. 27.76 GPM.
 PORT BOILER ON CONST/BLOW:
 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 - Blew Down M. 26.
 Eng. - changed to outboard Settler @ 1120 - Pumped Eng. Spaces Bilges -
 Test Ran #1 & #2 Lifeboat Motors -

WATCH ENGR'S SIGNATURE-

C. W. Frey

CTR- 76644700

#1 FOM-2331080

#2 FOM-5739060

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

19	PORT	STBD
PA	7.01	7.01
TA	9.93	9.93
CH	27.76	27.76
PO ⁴	20	10
SO ³	50	60
SH	249	300

CHIEF ENGR'S SIGNATURE-

M. Fox

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
GEN POPE TAP10		2K		VIETNAM		USA		P2S2R2		4-19/2066	

		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								
DETENTION TIME															
REVOLUTION COUNTER (END OF WATCH)		7666 2140	89200	7670 9740	7673 0430	51030	7677 3430								
TOTAL REVOLUTIONS (FOR WATCH)		22440	22140	20540	20690	20600	22400								
AVERAGE RPM		93.5	92.3	93.3	94.0	93.6	93.3								
F.O. METER (END OF WATCH)		P 5740300 S 2332320	41320	4642640 2334730	43750 35870	44870 37040	5746120 2338150								
F.O. CONSUMED		2480	2490	2280	2250	2290	2460								
PRESSURES		THROTTLE	450	450	450	450	450								
		H.P. AHEAD	435	435	435	435	435	435							
		L.P. AHEAD	19	19	19	20	20	20							
		VACUUM	28"	28"	28"	28"	28"	28"							
		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	1	1	1	1	1							
		H.P. BLEEDER													
		L.P. BLEEDER	6	6	6	6	6	6							
TEMPERATURES		STEAM AT THROTTLE	710	710	710	710	710	700							
		L. P. EXHAUST	106	106	107	102	105	101							
		CONDENSATE	104	103	103	98	96	97							
		CIRC. WATER IN	82	80	78	75	74	74							
		CIRC. WATER OUT	91	90	91	85	85	85							
		L.O. TO COOLERS	124	124	125	126	125	125							
		L.O. FROM COOLERS	106	106	108	107	108	107							
		TEMPERATURE THRUST BEARING	115	115	115	116	115	116							
		FORWARD H.P. ROTOR BEARING	124	122	124	123	123	124							
		AFT. H.P. ROTOR BEARING	134	134	135	135	134	135							
PRESSURES		FORWARD L.P. ROTOR BEARING	129	129	131	130	129	131							
		AFT. L.P. ROTOR BEARING	127	127	128	127	127	128							
		MAIN STEAM	450	450	450	450	450	450							
		F.O. TO BURNERS	160	160	160	160	160	160							
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP	N	N	N	N	N	N							
		NOZZLES IN USE	16	16	16	16	16	16							
		NO. OF BURNERS IN USE	P 3 S 3	3	3	3	3	3							
		BURNER TIP SIZE	P 53/70 S 53/70	53/70	53/70	53/70	53/70	53/70							

WATCH		GENERATORS										FUEL - WATER AND LUBE OIL						
		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	WATER	LUBE OIL		
1200 TO 1600	1	1200	440			120	110		62		700	700	240	METER AT NOON	46120	38250	ON HAND AT START OF DAY	80
	2	1200	440			147	133		72		700	700	240	METER PREVIOUS NOON	39060	31080	EVAPORATED OR RECEIVED	
1600 TO 2000	1	1200	440			120	110		62		750	750	240	CONSUMED BY METER	114230		ON HAND	52.8
	2	1200	440			147	132		72		750	750	240	ON HAND AT START OF DAY	13050		CONSUMED	
2000 TO 2400	1	1200	440			119	110		62		700	700	240	RECEIVED DURING DAY			ON HAND AT START OF DAY	
	2	1200	440			146	134		72		700	700	240	EXPENDED DURING DAY	338353		RECEIVED	
2400 TO 0400	1	1200	440			119	110		62		650	650	240	REMAINING ON BOARD	12430		ON HAND	
	2	1200	440			144	132		72		650	650	240	ON HAND AT START OF DAY	527		CONSUMED	
0400 TO 0800	1	1200	440			9	119	109	62		650	650	240	EVAPORATED OR RECEIVED	196		ON HAND	2000
	2	1200	440			7	142	130	70		650	650	240	ON HAND	658		RECEIVED	
0800 TO 1200	1	1200	440			9	116	108	62		650	650	240	CONSUMED	65		CONSUMED	
	2	1200	440			7	143	132	70		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	4											
SUMMARY																		
RUNNING TIME		23412.5										PROPELLER SLIP (%)						
DETENTION TIME												BBL FUEL/MI						
TOTAL REVOLUTIONS		128730										WIND DIRECTION						
AVERAGE R.P.M.		93.28										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 - #1 & #2 BLES & F.D. FANS - #1 & #2 D.C. GEN'S - M.V. AIR EXTRACTOR - #1 & #2 M.V. F.D. PUMPS - #1 & #2 F.O. PUMPS & F.O. HTES - AIR COMP - M.V. CIRC PUMP - #1 M.V. COND. PUMP - L.O. SERVICE PUMP - L.O. FORTIFIER - F.W. PUMP - M.V. EVAP. - STBD. STEERING MOTOR / P/B BLES ON CONTINUOUS BLOW THRU M.V. EVAP. - OPENED STM. TO WHISTLE B/O BRIDGE - STBY @ 1352
 BAD WEATHER 4/14/10 - ROUTINE TESTS & INSPECTIONS

HP & LP END PLAY 010

1600-2000 WATCH

AS ABOVE:

BLEW TUBES P/S BOILERS:

BLEW DOWN M.V. EVAP. 1630; 1800; & 1930

ROUTINE WATCH:

WATCH ENGR'S SIGNATURE-

William H. Leggett

2000-2400 WATCH

As Before, Except; Blew Down M.V. Evap. - Changed to Inboard Settler @ 2320 - Set clock ahead 20 mins @ 2300 - Pumped Eng. Space Bilges

WATCH ENGR'S SIGNATURE-

CW Fry

2400-0400 WATCH

SAME AS BEFORE

ADVANCED CLOCK 20 MINS @ 0100

COMPLIED WITH MITE ORDERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

M. Fox

0400-0800 WATCH

AS BEFORE:

ADVANCED CLOCK 20 MIN AT 0500:

BLEW DOWN M.V. E: 0430, 0600, 0730:

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 - Blew Down M.V. Evap.; First Asst. Engr. Installed New Regulator in main Heiler Board - Changed to Outboard Settler @ 1120 - Pumped Eng. Space Bilges - First Gen #1 & #2 Life Boat Motors

WATCH ENGR'S SIGNATURE-

CW Fry

CTR- 76773430 #1 FOM-2338250 #2 FOM-5746120

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

20	PORT	STBD
PA	10.51	2.92
TA	16.35	5.84
CH	24.86	16.57
PO ⁴	30	10
JO ³	50	37
SH	273	324

CHIEF ENGR'S SIGNATURE-

M. Fox

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE																	
GEN POPE TAP 110		2-K		VIETNAM		CHICKLAND		P.S.R.		4-20/21-66																	
		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		HOTTEST GEAR BEARING FORWARD		156		155		157		158		154		155	
DETENTION TIME														HOTTEST GEAR BEARING AFT		147		145		146		147		145		145	
REVOLUTION COUNTER (END OF WATCH)		7679 5830		18300		7684 0730		7686 3190		85220		7690 4840		AUX. COND. CONDENSATE		97		95		99		101		96		99	
TOTAL REVOLUTIONS (FOR WATCH)		22460		22470		22430		22460		22030		19620		1ST STAGE FEED WATER HEATER		150		148		151		152		152		153	
AVERAGE RPM		93.3		93.6		93.4		93.6		91.8		81.7		D. C. FEED WATER HEATER		238		239		240		239		240		238	
F.O. METER (END OF WATCH)		P 5747380 S 2337500		48640 40710		5649450 234840		51290 42980		52580 44160		5653260 2345280		3RD STAGE FEED WATER HEATER													
F.O. CONSUMED		2510		2470		2480		2480		2480		1850		SUPER HEAT		P 710 S 625		725 635		735 635		730 630		740 635		740 635	
THROTTLE		450		450		450		450		450		450		F.O. TO BURNERS		140		140		140		140		140		140	
H.P. AHEAD		435		435		435		435		435		435		AIR TO FURNACE		P 130 S 130		127 127		128 128		127 127				126 126	
L.P. AHEAD		20		20		20		20		19.5		20		F.O. TEMP. IN SETTLING TANKS		P 87 S 80		86 80		88 86		90 82		86 84		86 88	
VACUUM		28"		28"		28"		28"		28"		28.5"		PORT BOILER UPTAKE		270		270		295		295		315		320	
L.O. TO TURBINES		13		13		13		13		13		13		STBD. BOILER UPTAKE		275		270		270		270		280		285	
AUX. STEAM		150		150		150		150		150		150		F. O. BACK PRESSURE													
BACK PRESSURE		9		9		9		9		9		9		MAIN STEAM		450		450		450		450		450		450	
GLAND STEAM		1		1		1		1		1		1		F.O. TO BURNERS		160		150		150		160		160		180	
H.P. BLEEDER		6		6		6		6		6		6		MAIN COND. SALINITY				0.41						0.41			
I.P. BLEEDER		11		12		11		11				11		ENGINE ROOM TEMPERATURE						99							
L.P. BLEEDER		710		710		710		710		710		720		FIRE ROOM TEMPERATURE						99							
STEAM AT THROTTLE		100		102		104		104		104		104		NOZZLES IN USE		16		16		16		16		16		16	
L. P. EXHAUST		97		95		99		101		96		99		NO. OF BURNERS IN USE		P 3 S 3		3		3		3		3		3	
CONDENSATE		75		74		75		79		75		74		BURNER TIP SIZE		P 53/20 S 53/20		53/20		53/20		53/20		53/20		53/20	
CIRC. WATER IN		84		85		86		88		86		86		CO ₂ % PORT BOILER													
CIRC. WATER OUT		124		126		126		125		125		125		CO ₂ % STBD. BOILER													
L.O. TO COOLERS		106		108		108		107		109		107		OIL LEVEL MAIN SUMP		N		N		N		N		N		N	
L.O. FROM COOLERS		115		116		116		116		115		115															
TEMPERATURE THRUST BEARING		123		123		124		123		122		124															
FORWARD H.P. ROTOR BEARING		135		134		135		135		134		135															
AFT. H.P. ROTOR BEARING		130		130		131		131		128		130															
FORWARD L.P. ROTOR BEARING		127		128		128		128		127		127															
AFT. L.P. ROTOR BEARING																											

REMARKS

1200-1600 WATCH

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

HP&LP END PLAY - 010

1600-2000 WATCH

AS ABOVE

BLEW TUBES P/S BOILERS

BLEW DOWN M-U-E 1630, 1800, 1930:

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William W. Lippert

2000-2400 WATCH

As Before, Except; Blew Down M. U. Evap - changed to Inboard Settler @ 2320 - Pumped frg. Spaces Bilges -

WATCH ENGR'S SIGNATURE -

CW Fry

2400-0400 WATCH

AS BEFORE

BLEW DOWN M.U. EVAP

ROUTINE DUTIES

WATCH ENGR'S SIGNATURE -

M. Fox

0400-0800 WATCH

AS BEFORE EXCEPT:

CASUALTY DRILL E-8 F.D. BLOWER FAILURE #2 ~~ACTUATED~~ ACTUATED 0445-0515:

BLEW DOWN M-U-E

Routine Watch

WATCH ENGR'S SIGNATURE -

William W. Lippert

0800-1200 WATCH

Machinery as Before, Except; @ 0805 Secured #2 Boiler, acct. contacts Burning in F.D. Controller - Sec. M. U. Evap - Electricians Replaced Defective Parts in Controller - @ 0945 #2 Boiler on line - @ 0950 Sec. #2 generator - changed to Outboard Settler @ 1115 - Pumped frg. Spaces Bilges -

WATCH ENGR'S SIGNATURE -

CW Fry

CTR-76904840

#1 FOM-2345280

#2 FOM-5653360

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

21	PORT	5780
PA	876	292
TA	1168	467
CH	704	249
PO	15	10
SO	60	28
SH	297	348

CHIEF ENGR'S SIGNATURE -

M. Fox

USNS GEN. POPE TAPILO VOYAGE NO. 2-K FROM VIETNAM TO OAKLAND TYPE OF VESSEL P2S2R2 DATE 4-21/22-66

		WATCH								WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME		240	240	220	220	220	240	MACH. PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD	157	155	156	158	156	156
DETENTION TIME										HOTTEST GEAR BEARING AFT		147	145	146	148	145	146	
REVOLUTION COUNTER (END OF WATCH)		7692 2480	50050	7697 0900	7699 1680	12150	7703 3360			AUX. COND. CONDENSATE		95	94	95	93	92	93	
TOTAL REVOLUTIONS (FOR WATCH)		22640	22570	20850	20880	20470	22210			1ST STAGE FEED WATER HEATER		151	150	154	150	148	150	
AVERAGE RPM		94.3	94.1	94.7	94.9	93.1	92.5			D. C. FEED WATER HEATER		240	240	240	237	240	240	
F.O. METER (END OF WATCH)		P 5654580 S 2346530	53730 42760	5656830 1348900	57930 50040	59010 51190	5660230 2352370			3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		2470	2400	2220	2240	2340	2400			BOILER PARTICULARS		TEMPERATURES		SUPER HEAT	P 760 S 635	740 630	740 635	745 645
PRESSURES		THROTTLE	450	450	450	450	450	F.O. TO BURNERS	140					140	140	140	140	140
		H.P. AHEAD	435	435	435	435	435	AIR TO FURNACE	P 128 S 128					125 125	125 125	124 124	122 122	124 124
		L.P. AHEAD	19	20	19	20	20	F.O. TEMP. IN SETTLING TANKS	P 88 S 80					84 80	86 82	87 80	86 80	83 90
		VACUUM	28.5"	28.5"	28.5"	28.5"	28.5"	PORT BOILER UPTAKE	335			300	310	310	305	280		
		L.O. TO TURBINES	13	13	13	13	13	STBD. BOILER UPTAKE	280			280	285	285	280	265		
		AUX. STEAM	150	150	150	150	150	F. O. BACK PRESSURE										
TEMPERATURES		BACK PRESSURE	9	9	9	9	9	MAIN STEAM	450			450	450	450	450	450		
		GLAND STEAM	1	1	1	1	1	F.O. TO BURNERS	180			180	180	180	180	160		
		H.P. BLEEDER						MAIN COND. SALINITY				0.41			0.41			
		I.P. BLEEDER	6	6	6	6	6	ENGINE ROOM TEMPERATURE			94			92				
MISCELLANEOUS		L.P. BLEEDER	11		11	11	12	11	FIRE ROOM TEMPERATURE			94			92			
		STEAM AT THROTTLE	710	710	715	715			NOZZLES IN USE	16	16	16	16	16	16			
		L. P. EXHAUST	100	100	100	97	99	98	NO. OF BURNERS IN USE	P 3 S 3	3 3	3 3	3 3	3 3	3 3			
		CONDENSATE	95	94	95	93	92	93	BURNER TIP SIZE	P 53/70 S 53/70	53/70 53/70	53/70 53/70	53/70 53/70	53/70 53/70	53/70 53/70			
		CIRC. WATER IN	74	70	67	69	70	67	CO ₂ % PORT BOILER									
		CIRC. WATER OUT	81	80	82	79	80	79	CO ₂ % STBD. BOILER									
		L.O. TO COOLERS	123	126	126	126	125	125	OIL LEVEL MAIN SUMP	N	N	N	N	N	N			
		L.O. FROM COOLERS	104	109	107	105	108	106										
		TEMPERATURE THRUST BEARING	115	116	116	116	116	116										
		FORWARD H.P. ROTOR BEARING	125	124	126	125	124	124										
		AFT. H.P. ROTOR BEARING	135	134	135	135	134	135										
		FORWARD L.P. ROTOR BEARING	130	129	131	131	129	130										
		AFT. L.P. ROTOR BEARING	128	128	131	129	127	128										

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	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND
1200 TO 1600	1	1200	440		9	120	110		62	1300	1300	240		60230/52370		3360/45280					
	2	1200	440		9	120	110		62	1300	1300	240		13460							
1600 TO 2000	1	1200	440		9	119	110		62	1300	1300	240		11749							
	2	1200	440		7					1300	1300	240		332/360							
2000 TO 2400	1	1200	440		9	119	110		62	1250	1250	240		11092							
														722							
														150							
														792							
														80							
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													234125		PROPELLER SLIP (%)						
DETENTION TIME															BBL FUEL/MI						
TOTAL REVOLUTIONS													128520		WIND DIRECTION						
AVERAGE R.P.M.													93.1		STATE OF SEA						
TOTAL MILES BY ENGINE													476		STATE OF WEATHER						
TOTAL MILES BY OBSERVATION													409								

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH'Y IN OPERATION - #1 & #2 BRS & F.D. FANS - #1 D.C. GEN. - #1 & #2 MN. FD. PUMPS - #1 & #2 F.O. SERVICE PUMPS & F.O. HTS - MN. AIR EJECTOR - AIR COMP. - #1 MN. COND. PUMP - MN. CIRC. PUMP - L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - STD. STEERING MOTOR / STEERING CASUALTY DRILL @ 1515 STBY @ 1515 SECURED FROM DRILL @ 1527 44 @ 1527 - CHANGED TO PORT STEERING MOTOR @ 1520.

HP & LP END PLY. 010

1600-2000 WATCH

AS BEFORE EXCEPT:

STARTED M.U.E. @ 1600

BLEW TUBES P/S BOILERS

ROUTINE WATCH

WATCH ENGR'S SIGNATURE -

William H. Leggett

2000-2400 WATCH

As Before, Except; Set clock ahead 20 minutes @ 2300 - Changed to Inboard Lettles @ 2320 - Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE -

C. W. Fry

2400-0400 WATCH

SAME AS BEFORE

ADVANCED TIME 20 MINUTES @ 0100.

COMPLIED WITH NITE ORDERS

WATCH ENGR'S SIGNATURE -

M. Fox

0400-0800 WATCH

AS BEFORE

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 - cleaned #1 Generator Lube oil Strainer - changed to outboard Lettles @ 1120 - Test Ran #1 & #2 Lifeboat Motors & #1 & #2 Emergency Bilge Sump Pumps - added 5 Gal. Lube oil to #1 Main Feed Pump - Pumped Eng. Space Bilges - Shaft Counter Sticking -

WATCH ENGR'S SIGNATURE -

C. W. Fry

CTR-77033360 #1 FOM-2352370 #2 FOM-5660230

WATCH ENGR'S SIGNATURE -

M. Fox

CHIEF ENGINEER

22	PORT	STARBOARD
PA	11.68	3.50
TA	15.15	5.25
OH	4.97	2.07
PO	35	10
SO	60	30
SH	321	372

CHIEF ENGR'S SIGNATURE -

M. E. Johnson

USNS GEN. POPE TAPIO VOYAGE NO. 2-K FROM VIETNAM TO OAKLAND TYPE OF VESSEL P-52R2 DATE 4-22/23-66

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	HOTTEST GEAR BEARING FORWARD	157	155	156	158	155	157
DETENTION TIME							HOTTEST GEAR BEARING AFT	147	145	147	147	145	146
REVOLUTION COUNTER (END OF WATCH)	8487 4230	9680 9680	8501 9500	8504 2030	6466 6466	8508 7420	AUX. COND. CONDENSATE	95	92	94	93	88	91
TOTAL REVOLUTIONS (FOR WATCH)	22750	22640	22630	22530	22630	22760	1ST STAGE FEED WATER HEATER	150	148	151	150	148	148
AVERAGE RPM	94.8	94.3	94.2	93.9	94.3	94.8	D. C. FEED WATER HEATER	237	240	239	240	240	239
F.O. METER (END OF WATCH)	S 2353560	54730	2355900	57100	58280	2354480	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	2440	2400	2400	2420	2380	2400							
PRESSURES	THROTTLE	450	450	450	450	450	SUPER HEAT	P 725	730	730	725	730	730
	H.P. AHEAD	435	435	435	435	435	S 610	615	615	620	615	615	615
	L.P. AHEAD	20	20	20	20	20	F.O. TO BURNERS	140	140	140	140	140	140
	VACUUM	28.5"	28.5"	28.5"	28.5"	28.5"	AIR TO FURNACE	P 124	123	123	122	122	122
	L.O. TO TURBINES	13	13	13	13	13	S 124	123	123	122	122	122	122
	AUX. STEAM	150	150	150	150	150	F.O. TEMP. IN SETTLING TANKS	P 82	80	84	86	86	84
	BACK PRESSURE	9	9	9	9	9	S 73	70	72	77	74	78	78
	GLAND STEAM	1	1	1	1	1	PORT BOILER UPTAKE	280	280	280	290	280	280
	H.P. BLEEDER						STBD. BOILER UPTAKE	265	265	265	265	270	275
	I.P. BLEEDER	6	6	6	6	6	F. O. BACK PRESSURE						
TEMPERATURES	L.P. BLEEDER	11	12	11	11	11	MAIN STEAM	450	450	450	450	450	450
	STEAM AT THROTTLE	700	700	700	700	700	F.O. TO BURNERS	160	150	160	160	150	160
	L. P. EXHAUST	100	97	99	97	97	MAIN COND. SALINITY		0.41			0.41	
	CONDENSATE	95	92	94	93	88	ENGINE ROOM TEMPERATURE			92			91
	CIRC. WATER IN	72	68	67	69	67	FIRE ROOM TEMPERATURE			92			91
	CIRC. WATER OUT	81	78	80	79	88	NOZZLES IN USE	16	16	16	16	16	16
	L.O. TO COOLERS	125	125	126	126	124	NO. OF BURNERS IN USE	P 3	3	3	3	3	3
	L.O. FROM COOLERS	106	108	107	106	107	S 3	3	3	3	3	3	3
	TEMPERATURE THRUST BEARING	115	115	116	116	115	BURNER TIP SIZE	P 53/70	53/70	53/70	53/70	53/70	53/70
	FORWARD H.P. ROTOR BEARING	124	123	125	124	122	S 53/70	53/70	53/70	53/70	53/70	53/70	53/70
MISCELLANEOUS	AFT. H.P. ROTOR BEARING	135	134	135	135	134	CO ₂ % PORT BOILER						
	FORWARD L.P. ROTOR BEARING	130	128	131	130	127	CO ₂ % STBD. BOILER						
	AFT. L.P. ROTOR BEARING	128	127	128	128	127	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	WATER
1200 TO 1600	1	1200	440		9	119	110		62	1200	1200	240	METER AT NOON	67570
													METER PREVIOUS NOON	43052370
1600 TO 2000	1	1200	440		9	119	110		62	1200	1200	240	CONSUMED BY METER	14450
													ON HAND AT START OF DAY	11090
2000 TO 2400	1	1200	440		9	119	110		62	1150	1150	240	RECEIVED DURING DAY	
													EXPENDED DURING DAY	344370
2400 TO 0400	1	1200	440		9	119	110		62	1150	1150	240	REMAINING ON BOARD	10416
													ON HAND AT START OF DAY	792
0400 TO 0800	1	1200	440		9	119	110		62	1200	1200	240	EVAPORATED OR RECEIVED	122
													ON HAND	834
0800 TO 1200	1	1200	440		9	119	110		62	1250	1250	240	CONSUMED	80
													ON HAND AT START OF DAY	
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
											4	4	4	4
											SUMMARY			
											RUNNING TIME	244125	PROPELLER SLIP (%)	
											DETENTION TIME		BBL FUEL/MI	
											TOTAL REVOLUTIONS	135940	WIND DIRECTION	
											AVERAGE R.P.M.	94.4	STATE OF SEA	
											TOTAL MILES BY ENGINE	503	STATE OF WEATHER	
											TOTAL MILES BY OBSERVATION	423		

REMARKS

1200-1600 WATCH

UNDERWAY 16 NOZZLES - MACH'Y IN OPERATION - #1 & #2 BLES & F.D. FANS - #1 D.C. GEN. - MN. AIR
 EXTRACTOR - #1 & #2 MN. F.D. PUMPS - #1 & #2 F.O. SERVICE PUMPS & F.O. HTS - MN. CIRC. PUMP - #1 MN. COND.
 PUMP - L.O. SERVICE PUMP - L.O. PURIFIER - F.W. PUMP - AIR COMP - PORT STEERING MOTOR.
 EMERGENCY DRILLS @ 1515 STBY @ 1515 SECURED FROM DRILLS @ 1528 1/2 LH @ 1528 1/2
 ROUTINE TESTS & INSPECTIONS

WATCH ENGR'S SIGNATURE

William W. Leggett

HP & LP END PLAY OIO

1600-2000 WATCH

AS ABOVE:

BLEW TUBES P/S BOILER'S
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE

C. W. Fry

2000-2400 WATCH

As Before, Except; Blew Down M. U. Frags - Changed to Inboard
 Settler @ 2320 - Pumped Frig. Space Bilges -

WATCH ENGR'S SIGNATURE

M. Fox

2400-0400 WATCH

SAME AS BEFORE
 COMPLIED WITH NITE ORDERS
 ROUTINE TESTS & INSPECTIONS

WATCH ENGR'S SIGNATURE

William W. Leggett

0400-0800 WATCH

AS ABOVE

BLEW DOWN, CHILL SHOCKED, & SEC. M. U. EVAP.
 ROUTINE WATCH

WATCH ENGR'S SIGNATURE

C. W. Fry

0800-1200 WATCH

Machinery as Before, Except; Blew Tubes #1 & #2 Bilges 0800-0820 -
 changed & cleaned Fuel oil Hot Strainers & Burners - changed to Outboard
 Settler @ 1120 - Pumped Frig. Space Bilges -

WATCH ENGR'S SIGNATURE

M. Fox

CTR-85087420 #1 FOM 2359480 #2 FOM 5667570

CHIEF ENGINEER

23	PORT	STBD
PA	9.35	234
TA	12.76	3.50
CH	2.49	2.97
PO ⁴	25	10
SO ³	52	25
SH	345	396

CHIEF ENGR'S SIGNATURE

M. Johnson

USNS
GEN. POPE TAP 110

VOYAGE NO.
2-K

FROM
VIETNAM

TO
OAKLAND

TYPE OF VESSEL
P₂S₂R₂

DATE
2-23/24-66

		WATCH								WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME		240	240	240	220	220	240			HOTTEST GEAR BEARING FORWARD		158	156	157	159	155	157	
DETENTION TIME										HOTTEST GEAR BEARING AFT		147	145	146	147	145	147	
REVOLUTION COUNTER (END OF WATCH)		8511 0330	33140	8515 4160	8517 5080	95830				AUX. COND. CONDENSATE		91	90	92	92	90	90	
TOTAL REVOLUTIONS (FOR WATCH)		22910	22810	21020	20920	20750				1ST STAGE FEED WATER HEATER		149	148	150	151	152	150	
AVERAGE RPM		95.4	95.0	95.5	95.1	94.3				D. C. FEED WATER HEATER		240	240	240	238	240	240	
F.O. METER (END OF WATCH)		P566820 S236680	70010 C1820	5671190 7361800	72330 63950	73450 65020	5674660 2366200			3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		2450	2330	2240	2210	2170	2390											
MACHINERY PARTICULARS	PRESSURES	THROTTLE	450	450	450	450	450	450	TEMPERATURES	TEMPERATURES (CONT'D)	SUPER HEAT	P	725	740	740	725	735	735
		H.P. AHEAD	435	435	435	435	435	435			S	615	625	625	625	630	630	630
		L.P. AHEAD	20	20	20	20	19	19			F.O. TO BURNERS	140	140	140	140	140	140	140
		VACUUM	28.5"	28.5"	29"	29"	29"	29"			AIR TO FURNACE	P	132	126	122	128	126	120
		L.O. TO TURBINES	13	13	13	13	13	13			S	132	126	122	128	126	120	
		AUX. STEAM	150	150	150	150	150	150			F.O. TEMP. IN SETTLING TANKS	P	81	78	80	83	82	76
		BACK PRESSURE	9	9	9	9	9	9			S	75	74	74	76	76	80	
		GLAND STEAM	1	1	1	1	1	1			PORT BOILER UPTAKE	280	280	285	285	290	280	
		H.P. BLEEDER									STBD. BOILER UPTAKE	280	270	285	285	290	270	
		I.P. BLEEDER	6	6	6	6	6	6			F. O. BACK PRESSURE							
	L.P. BLEEDER	11	12	11	11	12	11	MAIN STEAM	450	450	450	450	450	450	450			
	TEMPERATURES	STEAM AT THROTTLE	700	700		705	705	700	MISCELLANEOUS	TEMPERATURES	F.O. TO BURNERS	160	155	150	160	160	160	160
L. P. EXHAUST		95	96	97	96	96	96	MAIN COND. SALINITY				0.41			0.41			
CONDENSATE		91	90	92	92	90	90	ENGINE ROOM TEMPERATURE									88	
CIRC. WATER IN		68	67	68	69	68	64	FIRE ROOM TEMPERATURE									88	
CIRC. WATER OUT		77	76	79	79	78	77	NOZZLES IN USE			16	16	16	16	16	16	16	
L.O. TO COOLERS		126	126	127	125	126	126	NO. OF BURNERS IN USE			P	3	3	3	3	3	3	
L.O. FROM COOLERS		106	108	108	105	108	107	S			3	3	3	3	3	3		
TEMPERATURE THRUST BEARING		115	116	116	115	116	116	BURNER TIP SIZE			P	53/70	53/70	53/70	53/70	53/70	53/70	
FORWARD H.P. ROTOR BEARING		125	124	125	126	124	125	S			53/70	53/70	53/70		53/70	53/70		
AFT. H.P. ROTOR BEARING		135	135	136	135	135	135	CO ₂ % PORT BOILER										
FORWARD L.P. ROTOR BEARING		131	128	131	131	127	130	CO ₂ % STBD. BOILER										
AFT. L.P. ROTOR BEARING		128	128	130	128	127	129	OIL LEVEL MAIN SUMP			N	N	N	N	N	N	N	

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL							
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL	
1200 TO 1600	1	1200	440		9	119	110		62	1100	1100	240	METER AT NOON			ON HAND AT START OF DAY	64.9			
													METER PREVIOUS NOON			EVAPORATED OR RECEIVED				
1600 TO 2000	1	1200	440		9	120	110		62	1100	1100	240	CONSUMED BY METER	13790		ON HAND	4.7			
													ON HAND AT START OF DAY	10416		CONSUMED				
2000 TO 2400													RECEIVED DURING DAY			ON HAND AT START OF DAY				
													EXPENDED DURING DAY	328/352		RECEIVED				
2400 TO 0400													REMAINING ON BOARD	9736		ON HAND				
													ON HAND AT START OF DAY	834		CONSUMED				
0400 TO 0800													EVAPORATED OR RECEIVED	188		ON HAND	2000			
													ON HAND	942		RECEIVED				
0800 TO 1200													CONSUMED	80		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		23 14 12 S										PROPELLER SLIP (%)								
DETENTION TIME												BBL FUEL/MI								
TOTAL REVOLUTIONS		124850										WIND DIRECTION								
AVERAGE R.P.M.												STATE OF SEA								
TOTAL MILES BY ENGINE												STATE OF WEATHER								
TOTAL MILES BY OBSERVATION																				

000-1600 WATCH

UNDERWAY 16 NOZZLES - MACH'Y IN OPERATION - #1 & #2 BILGES & F.D. FANS - #1 D.C. GEN - MN.
 AIR EJECTOR - #1 & #2 MN. FD. PUMPS - #1 & #2 F.O. SERVICE PUMPS & F.O. HTS - AIR COMP - #2 MN.
 COND. PUMP - L.O. PURIFIER - L.O. SERVICE PUMP - MN. CIRC. PUMP - F.W. PUMP - PORT STEERING
 MOTOR / ROUTINE TESTS & INSPECTIONS

189 LP END PLAY 010

600-2000 WATCH
AS ABOVE

BLEW TUBES P/S BOILERS:
 Routine Watch

WATCH ENGR'S SIGNATURE-

William N. Leggett

000-2400 WATCH

As Before, Except; Set clock ahead 20 minutes @ 2300 - changed
 to Inboard Settler @ 2320 - Pumped 4' & Eng. Space Bilges -
 Conducted Eng. Casualty Drill "E-1" 2200-2200 - 4 men present - Notified Bridge -

WATCH ENGR'S SIGNATURE-

CW Fry

400-0400 WATCH

SAME AS BEFORE

ADVANCED TIME 20 MIN. @ 0100

CONDUCTED CASUALTY DRILL E-1 - 0100-0120 - 4 MEN PRESENT - BRIDGE NOTIFIED

COMPLIED WITH NITE ORDERS

ROUTINE WATCH

2 FORCED DRAFT FAN CONTROL FAILURE @ 0320 - CALLED 1ST & CH. ELECT

WATCH ENGR'S SIGNATURE-

William N. Leggett

0400-0800 WATCH

AS ABOVE

ADVANCED CLOCK 20 MIN @ 0500:

CONDUCTED CASUALTY DRILL E-1, LOW WATER IN BOILER, BRIDGE NOTIFIED:

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

CW Fry

0800-1200 WATCH

Machinery as Before, Except; Blew inber #1 & #2 Boilers 0900-0920 - changed &
 cleaned fuel oil Hot Strainers & Burners - Centrifuged Lube oil #2
 aux. Turbo-Gen. - changed to outboard Settler @ 1120 - added 5
 Gal. Lube oil to #2 feed pump - Pumped Eng. Space Bilges -

CTR-

#1 FOM-2366200

#2 FOM-5674660

WATCH ENGR'S SIGNATURE-

M. Fry

CHIEF ENGINEER

	PORT	STBD
PA	12.26	8.26
TA	15.77	10.51
CH	2.07	2.07
PO ⁴	40	15
SO ³	60	45
SH	369	407

CHIEF ENGR'S SIGNATURE-

M. Fry