USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Henry Jackson Pope TAO 110	4	@ Tacoma	Shah	B-2 & B-2	JULY 22-23, 1966

	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)	8760 570	8761 150	8761 660	8762 220	8762 810	8763 490
F.O. CONSUMED	600	580	510	560	590	670
MACHINERY PARTICULARS – PRESSURES: THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM	29"	29"	29"	29"	29"	27"
L.O. TO TURBINES	14	15	14	14	13.5	13
AUX. STEAM	140	135	135	140	135	135
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3	2	2.5	3	3	3
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE						
L. P. EXHAUST	135	140	138	138	130	138
CONDENSATE	57	63	56	56	62	56
CIRC. WATER IN	53	57	57	55	57	57
CIRC. WATER OUT	54	56	56	57	56	56
L.O. TO COOLERS	108	109	109	109	106	109
L.O. FROM COOLERS	102	105	106	104	102	104
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						
AFT. H.P. ROTOR BEARING						
FORWARD L.P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACH. PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	90	90	88/85	88/90	86/82	88/85
1ST STAGE FEED WATER HEATER	78	78	78	78	78	78
D. C. FEED WATER HEATER	240	240	240	240	240	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: SUPER HEAT P	745	745	745	740	745	745
SUPER HEAT S						
F.O. TO BURNERS	180	180	185	180	190	185
AIR TO FURNACE P			118		114	121
AIR TO FURNACE S						
F.O. TEMP. IN SETTLING TANKS P	110	112	108	108	106	108
F.O. TEMP. IN SETTLING TANKS S	102	108	112	112	104	112
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
PRESSURES: F. O. BACK PRESSURE	12	10	10	12	10	10
MAIN STEAM	450	450	430	440	450	450
F.O. TO BURNERS	200		185	185	190	180
MISCELLANEOUS: MAIN COND. SALINITY	.4	.4	.4	.4	.34	
ENGINE ROOM TEMPERATURE	86	84	75	72	70	76
FIRE ROOM TEMPERATURE	86	84	75	72	70	76
NOZZLES IN USE						
NO. OF BURNERS IN USE P	2	2	2	2	2	2
NO. OF BURNERS IN USE S						
BURNER TIP SIZE P	53/70	53/70	53/70	53/70	53/70	53/70
BURNER TIP SIZE S						
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1 FT.	1'	1'	1'	1'	1'
DOUBLE BOTTOM SAL.	.4	.4		.4	.34	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440		9	120	110		62	1400	1400	240
	2	1200	440		7	134	120		72	1400	1400	240
1600 TO 2000	1	1200	450		9	120	110		62	1400	1400	240
	2	1200	450		7	134	120		72	1350	1350	240
2000 TO 2400	1	1200	430		9	118	110		63	1300	1250	245
	2	1200	430		7	134	120		73	1150	1040	245
2400 TO 0400	1	1200	440		9	120	110		63	1200	1200	240
	2	1200	440		7	134	120		72	1200	1200	240
0400 TO 0800	1	1200	450		9	122	112		62	1250	1200	240
	2	1200	450		7	132	118		73	1200	1200	240
0800 TO 1200	1	1200	450		9	118	110		62	1450	1450	240
	2	1200	450		7	132	120		73	1150	1100	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	45.320	BOILER WATER: ON HAND AT START OF DAY	92
	METER PREVIOUS NOON	41.810	EVAPORATED OR RECEIVED	—
	CONSUMED BY METER	3510	ON HAND	18
	ON HAND AT START OF DAY	17.239	CONSUMED	74
	RECEIVED DURING DAY	—	LUBE OIL: ON HAND AT START OF DAY	5305
	EXPENDED DURING DAY	83	RECEIVED	—
	REMAINING ON BOARD	17.156	ON HAND	5300
DOMESTIC WATER	ON HAND AT START OF DAY	1100	CONSUMED	5
	EVAPORATED OR RECEIVED	260	DIESEL OIL: ON HAND	
	ON HAND	1280	RECEIVED	
	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	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

@ Rockside Tacoma Wash. — Machinery in operation as of Noon: B-2, M-1, MC-2, ME-R, A-1, AC-1, AE-R, AEG, D-2, P-1, F-1, C-1, W-1, L-1, LS-1, — Main unit on jacking gear — ~~H.~~ F.W.E. @ 1217 — Following Work Done: Found in Relief Valve #1 Feed Pump — New Gasket #1 Fuel Pump L.O. Strainer — Added Packing #1 Feed Pump, Water End — Put Clamp on Leaking Drain Return Line below 58# Station — Transferred Fuel oil From to Outboard Settler — Bilges @ Safe Level —

F.O. IN BD.
F.W.
MUF ~~DE~~/1P
MU-U 3
EVAP
~~GAL-D~~

WATCH ENGR'S SIGNATURE. J. F.

1600-2000 WATCH

@ Rockside Tacoma Wash. Machinery as before. Main unit on jacking gear — Vacuum on main unit. Bilges Eng room Fwd and aft. check aft engine room space and boilers.

F.O. IN BD
F.W.
MUF ~~DE~~/1P
MU-U 3
EVAP
~~GAL-D~~

Graham - Elect on cargo watch @ ~~1700~~ 1700
Oiler - Sargent, FWT - Wenner,

WATCH ENGR'S SIGNATURE. S. H. Burk

2000-2400 WATCH

moored @ Tacoma dock. Machinery as before, main unit jacking over with vacuum 61-62 carrying load. Bilges @ safe level. are taking on fresh H2O P & S No1 Tanks @ 2315 made routine rounds of Fwd & Aft Engine room spaces.

F.O. IN BD
F.W.
MUF ~~DE~~/1P
MU-U
EVAP
GAL-D

FWT - Sargent Oil - Bella

WATCH ENGR'S SIGNATURE. R. P. Adamic

0000-0400 WATCH

Sat. Machinery as Before, Except; - Dumped #1 Boiler - Replaced Hi & Low Gauge glasses #1 Boiler - Refilled Boiler from Fwd Bottom - Made Routine Inspection Rounds of all Machinery Spaces - Bilges @ Safe Level - Changed to Outboard Settler @ 0330 - #2 Boiler on Cont. Blow to Sink - Graham Elect. Reported that Cargo Hatch Secured @ 0300 -

F.O. OUTBD.
F.W.
MUF ~~DE~~/1P
MU-U 12
EVAP
GAL-D

Oiler - Manning F/LT - Bennett

WATCH ENGR'S SIGNATURE. J. F.

0400-0800 WATCH

Machinery as before. Main unit jacking gear engaged. Inspected machinery spaces. Pumped bilges. Made rounds fwd. and aft engine room.

F.O.
F.W.
MUF 1
MU-U
EVAP
GAL-D

FWT - Wenner Oiler Sargent

WATCH ENGR'S SIGNATURE. S. H. Burk

0800-1200 WATCH

moored @ Tacoma dock, machinery as before, main unit jacking over with vacuum, see 1st stage to main air ejector @ 0825 - circulate fuel oil to No1 Boiler @ 0830, put fire in STBD Boiler @ 0900, open 150# line to AFT Eng. @ 0935 - Blew down STBD Boiler @ 0955 - see fire in STBD Boiler @ 1010 at 300# made routine inspection of spaces

F.O. outbd
F.W. 2P/S
MUF ~~DE~~/1P
MU-U 4.2
EVAP
GAL-D

WATCH ENGR'S SIGNATURE. R. P. Adamic

CHIEF ENGINEER

2 BOILER 1

8.18 P.ALK
T.ALK
11.10 CHLO
9.53 PH. 4
SO. 3
PH

SEC

4206 WS. HRS. 4086
1558 FS. HRS. 1548

CHIEF ENGR'S SIGNATURE. F. O'Halloran

A 6025

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
					July 24-25 1966

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	60 MIN	240	260	262	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)		0488 1930	0490 4925	0492 9550	0495 3140	0497 6610
TOTAL REVOLUTIONS (FOR WATCH)		29530	22495	24630	24590	23470
AVERAGE RPM		98.4	88.4	94.7	94.6	98.7 R.P.C.
F.O. METER (END OF WATCH) 8764740	6034 740	8767 350	8769 940	8772 500	8775 210	8777 580
F.O. CONSUMED	1260	3610	2590	2560	2710	2370
PRESSURES — THROTTLE	420	445	440	440	450	440
PRESSURES — H.P. AHEAD	400	415	420	420	425	420
PRESSURES — L.P. AHEAD	26	24	19.5	23	21	19
PRESSURES — VACUUM	29"	29"	29.2	29"	29"	29
PRESSURES — L.O. TO TURBINES	15	15	13.8	14	14	14
PRESSURES — AUX. STEAM	135	135	145	140	130	140
PRESSURES — BACK PRESSURE	9	9	9	9	9	9
PRESSURES — GLAND STEAM	4	4	3	—	2	2
PRESSURES — H.P. BLEEDER		80	80	80	64	90
PRESSURES — I.P. BLEEDER		-10	10	6	-10	6
PRESSURES — L.P. BLEEDER		6	6	10"	6	-11
TEMPERATURES — STEAM AT THROTTLE	650	685	665	660	655	675
TEMPERATURES — L. P. EXHAUST	98	90	88	96	94	95
TEMPERATURES — CONDENSATE	88	82	78	88	88	88
TEMPERATURES — CIRC. WATER IN	56	55	54	62	65	63
TEMPERATURES — CIRC. WATER OUT	72	64	64	74	73	74
TEMPERATURES — L.O. TO COOLERS	130	126	130	130	126	130
TEMPERATURES — L.O. FROM COOLERS	112	106	112	110	107	110
TEMPERATURES — TEMPERATURE THRUST BEARING	120	117	118	120	117	118
TEMPERATURES — FORWARD H.P. ROTOR BEARING	123	123	126	126	123	125
TEMPERATURES — AFT. H.P. ROTOR BEARING	140	135	140	140	135	138
TEMPERATURES — FORWARD L.P. ROTOR BEARING		131	135	135	132	136
TEMPERATURES — AFT. L.P. ROTOR BEARING		127	133	133	128	132

MACH. PARTICULARS (CONT'D) — TEMPERATURES (CONT'D)	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
HOTTEST GEAR BEARING FORWARD			157	157	155	156
HOTTEST GEAR BEARING AFT			151	151	145	147
AUX. COND. CONDENSATE	80 82	80 82	78/75	90 82	95 85	90
1ST STAGE FEED WATER HEATER	96	148	148	150	151	154
D. C. FEED WATER HEATER	236	235	238	240	240	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P	770	800	790	790	780	800
SUPER HEAT S	770	800	630	790	780	620
F.O. TO BURNERS	180	180	180	180	180	180
AIR TO FURNACE P	128	126	123	127	128	126
AIR TO FURNACE S	128	126	123	127	128	124
F.O. TEMP. IN SETTLING TANKS P	104	106	110	108	104	116
F.O. TEMP. IN SETTLING TANKS S	98	116	114	114	110	118
PORT BOILER UPTAKE	320	341	310	310	305	290
STBD. BOILER UPTAKE	310	315	305	305	330	290
PRESSURES — F. O. BACK PRESSURE	12	14	12	12	10	11
PRESSURES — MAIN STEAM	440	450	440	460	460	440
PRESSURES — F.O. TO BURNERS	240	240	200	190	250	190
MISCELLANEOUS — MAIN COND. SALINITY	.4	1.2	.4	.4	1.6	.4
ENGINE ROOM TEMPERATURE	78	71	69	73	73	73
FIRE ROOM TEMPERATURE	78	71	69	73	73	73
NOZZLES IN USE	16	16	16	16	16	16
NO. OF BURNERS IN USE P	3	3	3	3	3	3
NO. OF BURNERS IN USE S	3	3	3	3	3	3
BURNER TIP SIZE P	53/70	53/70	53/70	53/70	53/70	53/70
BURNER TIP SIZE S	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER		12.5	12.0	13.5	14.5	
CO_2 % STBD. BOILER		12.5	12.0	13.	13.5	
OIL LEVEL MAIN SUMP		1.1		1'2"	1'0"	1'
DOUBLE BOTTOM BAL.	.4	.4		.4	.4	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440		9	120	110		62	IDLING		240
	2	1200	440		7	130	120		73	1200	1200	240
1600 TO 2000	1	Idling			9	120	110		62			240
	2	1200	450		7	132	120		73	1400	1350	240
2000 TO 2400	1	1200	440		9	116	105		62	0	0	240
	2	1200	440		7	132	120		73	1100	1100	240
2400 TO 0400	1	1200	440		9	120	110		62	IDLING		240
	2	1200	440		7	130	120		73	1200	1200	240
0400 TO 0800	1	1200			9				62	Idling		240
	2	1200	440		9	134	120		73	1300	1300	240
0800 TO 1200												
	2	1200	440			135	120		73	1500	1500	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	74.860
FUEL OIL	METER PREVIOUS NOON	45,320
FUEL OIL	CONSUMED BY METER	29.540
FUEL OIL	ON HAND AT START OF DAY	17.156
FUEL OIL	RECEIVED DURING DAY	—
FUEL OIL	EXPENDED DURING DAY	703
FUEL OIL	REMAINING ON BOARD	16.453
DOMESTIC WATER	ON HAND AT START OF DAY	1280
DOMESTIC WATER	EVAPORATED OR RECEIVED	155
DOMESTIC WATER	ON HAND	1255
DOMESTIC WATER	CONSUMED	180
BOILER WATER	ON HAND AT START OF DAY	74
BOILER WATER	EVAPORATED OR RECEIVED	40
BOILER WATER	ON HAND	82
BOILER WATER	CONSUMED	32
LUBE OIL	ON HAND AT START OF DAY	5300
LUBE OIL	RECEIVED	—
LUBE OIL	ON HAND	5295
LUBE OIL	CONSUMED	5
DIESEL OIL	ON HAND	
DIESEL OIL	RECEIVED	
DIESEL OIL	CONSUMED	

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

#2 4½ hrs.

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	1320	PROPELLER SLIP (%)	14.31
DETENTION TIME	✓	BBL FUEL/MI	
TOTAL REVOLUTIONS	119.960	WIND DIRECTION	270°-15 Kts
AVERAGE R.P.M.	90.8	STATE OF SEA	270°-4 ft
TOTAL MILES BY ENGINE	447	STATE OF WEATHER	O-Cast
TOTAL MILES BY OBSERVATION	383	S=17.4	A=.59

Stby @ 1348 S-Ctr-04859140 P-Ctr=04852400

FOM P=6038720 S=2725120

REMARKS

1200-1600 WATCH

Preparing Plant For Sea: Elect. Load Shifted aft & Plants Split @ 1225 #1 Gen. Idling - Tested Telegraph @ 1227 Synch. Clocks @ 1245 - #1 Boiler on Line @ 1315 - Off Jacking Gear & Rolling with Steam @ 1320 - S.B.E. @ 1347 - S.FOM - 2725120 P.FOM - 6038720 TRCH. - 04852400 SHAFT. CTR - Bells as per Bell Book - Dept. @ 1370 - 16 Noz B/O/P - S.FOM - 2725360 P.FOM - 6038920 TRCH. - 04854970 - SHAFT. CTR. - Blow Tubes #1 & #2 Boilers 1525-1535 -

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

Bilges @ Safe Level - Filled Filter - Cooling #1 Fed Cooling Tank #40 oil

WATCH ENGR'S SIGNATURE- M. Fox

1600/2000 WATCH

Machinery as before except - changed outboard to inboard f.o. settler @ 1600. 1640 Electrician called out to work on no1 feed pump controls - call again @ 1810. Lite off evap at 1810. Stby 1920 - 60 RPM. - Bells as per Bell book

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

7wt Stagg

WATCH ENGR'S SIGNATURE- S. H. Burk

2000-2400 WATCH

underway on 16 Noz @ 1955 G-2 carrying load G-1 idling soc no1 Evap @ 2030 back on line @ 2130 No1 feed pump tripped out four times between 2035 & 2135 F.P. tripped out again @ 2145 back on line @ 2155 changed & cleaned port fuel oil strainer @ 2245 - Retard clock 20 min @ 2300 - checked steering gear Made routine rounds and inspection of machinery

F.O. INB'D.
F.W. 3 ¢
MUF DB/1P
MU-U 4.2
EVAP 2P+S
GAL-D 4600

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Machinery as before Except: - Changed & cleaned Fuel oil Tip Burner - Changed & cleaned Fuel oil Suction Strainer - Set clocks back 70 Minutes @ 0100 - Changed to Outboard Settler @ 0230 - Pumped frg. Space Bilge - Secured #1 Evap @.

F.O. OUTB'D.
F.W. 3 ¢
MUF DB/1P
MU-U 6.4
EVAP #1 & 1P
GAL-D

WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH

Machinery as before, except. Called out Electrician @ 0500, to 0700 work on Evap feeding motor. Lite off no1 evap @ 0500. Retarded clock @ 0500 - 20 min. Pumped Engine room bilges. Cleaned discharge hot strainer on Port fuel oil to boiler. Made routine rounds and checked machinery spaces. Cleaned L.O. Strainers. FW switched to No2 P+S.

F.O. outb'd
F.W. 3 ¢ No2 P+S
MUF DB-1P
MU-U 5.3
EVAP #1 & 2
GAL-D 5800

WATCH ENGR'S SIGNATURE- S. H. Burk

0800-1200 WATCH

underway on 16 No2 - Machinery as before G-2 carrying load Blow tubes P/S @ 0800 - sec No1 Turbo Generator @ 0840 - sec Aux circulator @ 0900 - changed & clean center burners @ 0905 - sec heating steam to compartments @ 0910 abandon ship Bell & standby @ 1015 sec @ 1029 - sec L.O. Purifier @ 1030 Made routine rounds and inspection of machinery - Cleaned Lube oil Purifier

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

WATCH ENGR'S SIGNATURE- R. P. Adams

CHIEF ENGINEER

BOILER

P.ALK
T.ALK
CHLO
PH. 4
SO. 3
PH

4230 WS. HRS. 4091
1582 FS. HRS. 1551

CHIEF ENGR'S SIGNATURE- G. O. Halloran

A 6025

Dept @ 1500 - S-C-+R 04861650 - + Ctr. = 04854970 FOM P = 6038920 S = 2725360

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. John POPE TAP-110	4B	TACOMA WASH.	NAHA OKINAWA	P-2 SR R-2	JULY 24-25 1966

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	260	260	260	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		0499 9170	0502 1700	0504 6101	0507 0620	0509 5140	0511 7762
TOTAL REVOLUTIONS (FOR WATCH)		22560	22550	24401	24520	24520	22622
AVERAGE RPM		94.	94.0	93.9	94.3	94.3	94.3
F.O. METER (END OF WATCH)		8779 960	8782 420	8785 010	8787 600	8790 220	8792 650
F.O. CONSUMED		2380	2460	2590	2590	2620	2430
MACHINERY PARTICULARS – PRESSURES	THROTTLE	440	445	445	445	445	445
	H.P. AHEAD	420	425	425	425	425	425
	L.P. AHEAD	20	20	19	19	18	18.5
	VACUUM	29"	29"	29.1	29	29	29.5
	L.O. TO TURBINES	14	14	14	14	14	14
	AUX. STEAM	140	135	135	140	135	135
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	2	2	2	–	2	2
	H.P. BLEEDER	80	80	80	80	78	80
	I.P. BLEEDER	6	-19	6	6	6	6
	L.P. BLEEDER	10"	6	12	11"	-12	12
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	670	675	670	660	655	660
	L. P. EXHAUST	94	92	93	92	92	94
	CONDENSATE	86	86	84	84	86	85
	CIRC. WATER IN	60	60	60	60	60	62
	CIRC. WATER OUT	72	71	71	71	71	72
	L.O. TO COOLERS	130	125	125	130	130	130
	L.O. FROM COOLERS	110	105	105	110	110	110
	TEMPERATURE THRUST BEARING	120	115	120	120	120	118
	FORWARD H.P. ROTOR BEARING	126	120	122	122	124	125
	AFT. H.P. ROTOR BEARING	138	134	134	134	136	138
	FORWARD L.P. ROTOR BEARING	135	134	127	128	133	135
	AFT. L.P. ROTOR BEARING	132	134	127	130	131	132

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACH. PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD	156	155	155	155	155	157
	HOTTEST GEAR BEARING AFT	147	145	145	146	148	150
	AUX. COND. CONDENSATE	95	92	90	90	90	92
	1ST STAGE FEED WATER HEATER	150	152	150	150	150	154
	D. C. FEED WATER HEATER	240	240	240	238	238	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	SUPER HEAT P	800	800	800	800	780	770
	SUPER HEAT S	800	800	625	800	780	630
	F.O. TO BURNERS	180	175	180	180	180	175
	AIR TO FURNACE P	124	125	123	126	126	126
	AIR TO FURNACE S	124	125	123	126	126	126
	F.O. TEMP. IN SETTLING TANKS P	120	110	110	110	104	104
	F.O. TEMP. IN SETTLING TANKS S	114	108	102	102	104	104
	PORT BOILER UPTAKE	295	290	285	305	336	300
	STBD. BOILER UPTAKE	290	293	285	290	303	300
BOILER PARTICULARS – PRESSURES	F. O. BACK PRESSURE	12	12	10	12	12	12
	MAIN STEAM	460		465	465	460	465
	F.O. TO BURNERS	170	175	180	175	180	180
MISCELLANEOUS	MAIN COND. SALINITY	.4	1.6	4	.4	1.6	1.4
	ENGINE ROOM TEMPERATURE	73	71	69	70	70	72
	FIRE ROOM TEMPERATURE	73	71	69	70	70	72
	NOZZLES IN USE	16	16	16	16	16	16
	NO. OF BURNERS IN USE P	3	3	3	3	3	3
	NO. OF BURNERS IN USE S	3	3	3	3	3	3
	BURNER TIP SIZE P	53/70	53/70	53/70	53/70	53/70	53/70
	BURNER TIP SIZE S	53/70	53/70	53/70	53/70	53/70	53/70
	CO_2 % PORT BOILER	13	14.0	14.5	14	13.5	14.0
	CO_2 % STBD. BOILER	13	13.0	14.5	13.5	14.0	14.5
	OIL LEVEL MAIN SUMP	1'2"	1'1"	1'	1'2"	1'0"	1'
	DOUBLE BOTTOM SAL.	.4	.4		.4	.4	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	~~1~~	~~1200~~	~~440~~									
	2	1200	440		7	130	120		72	1400	1400	240
1600 TO 2000	2	1200	445		7	132	120		73	1300	1250	240
2000 TO 2400	2	1200	445		7	131	120		73	1200	1200	240
2400 TO 0400	2	1200	445		7	130	120		73	1150	1150	240
0400 TO 0800	2	1200	445		7	132	120		73	1250	1200	240
0800 TO 1200	2	1200	445		7	130	120		73	1100	1100	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	106850	BOILER WATER	ON HAND AT START OF DAY	82
	METER PREVIOUS NOON	74.850		EVAPORATED OR RECEIVED	32
	CONSUMED BY METER	32,000		ON HAND	82
	ON HAND AT START OF DAY	16.453		CONSUMED	32
	RECEIVED DURING DAY	—	LUBE OIL	ON HAND AT START OF DAY	5295
	EXPENDED DURING DAY	763		RECEIVED	—
	REMAINING ON BOARD	15.690		ON HAND	5290
DOMESTIC WATER	ON HAND AT START OF DAY	1255		CONSUMED	5
	EVAPORATED OR RECEIVED	176	DIESEL OIL	ON HAND	
	ON HAND	1031		RECEIVED	
	CONSUMED	400		CONSUMED	

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

#1	#2
4 hrs.	4 1/3 hrs.

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	1500	PROPELLER SLIP (%)	15.18
DETENTION TIME	✓	BBL FUEL/MI	1.44-1.70
TOTAL REVOLUTIONS	141,240	WIND DIRECTION	12 kts - 335°
AVERAGE R.P.M.	94.1	STATE OF SEA	335° - 6 ft
TOTAL MILES BY ENGINE	527	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	447	17-60	S = 17.88

REMARKS

1200-1600 WATCH
Underway on 16 Nozzles - Machinery in operation as of Noon. Main Unit B-1, B-2, G-1, H-1, MC-2, ME-R, AC-1, AE-R, D-1, D-2, P-1, P-2, F-1, F-2, C-1, W-1, L-1, S-1, - Secured Plant by Securing AE-R, & AC-1, Lit off Lube oil Centrifuge @ 1230 - Blew Tubes #1 & 2 Boilers 1315 - 1325 - Pumped Eng. Space Bilges -

F.O. OUTBD
F.W.
MUF DB/15
MU-U 6.4
EVAP #1 & 2 3 E
GAL-D 8000

WATCH ENGR'S SIGNATURE- M. Fox

1600-2000 WATCH
Machinery as before except: checked and pumped bilges, made routine round, changed L.O. strainers, changed f.o. hot strainer, changed and cleaned bottom burners P/S. Turned heat on at 1800.

F.O. Outbd
F.W. No 3 &
MUF DB/15
MU-U 5.0
EVAP #1 & 2 2 MUP
GAL-D 8750

WATCH ENGR'S SIGNATURE- S. H. Beck

2000-2400 WATCH
Underway on 16 nozzles - machinery in operation as before close water tight doors @ 2025 - changed & clean main L.O. strainer - check steering gear @ 2130 - pumped engine room bilges - retard clock 20 minutes @ 2300 - Made routine rounds & inspection of machinery.

Hypo-tbd
No 3 E
DB/15
6.8
2 P 4 5
9200

WATCH ENGR'S SIGNATURE- R. P. Adams

2400-0400 WATCH
Machinery as Before, Except; Changed to Inboard Letter @ 0030 - Set Clock Back 20 Minutes @ 0038 - Changed & Cleaned Upper Fuel oil Burner & Fuel oil Suction Strainer - Pumped Eng Space Bilges - Electric Steering Failure @ 0330 & Steering by Debonator.

F.O. INBD.
F.W. 3 E
MUF DB/1P
MU-U 6.4
EVAP #1 & 2 2 P/S
GAL-D 9200

WATCH ENGR'S SIGNATURE- M. Fox

0400-0800 WATCH
Machinery as before except, retarded clock @ 0500. Changed and cleaned bottom fuel oil burners. cleaned L.O. strainer. Pumped bilges. Checked machinery in engine space. Made routine rounds. Small leak on F.W. discharge line from tank to pump - line giving way.

F.O. Blend
F.W. 3 E
MUF DB-15
MU-U
EVAP #1 & 2 2 P/S
GAL-D 7200

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH
Underway on 16 nozzles - machinery in operation as before - Blew tubes P/S Boilers @ 0810 to 0828 - see air compressor Utility man working on same @ 0854 - crew open open from AFT Bulk. Air comp. Tested fire alarm @ 0853 - changed & clean center burners @ 0910 - changed to out B'D vent @ 1100 - checked steering gear - made routine rounds & inspection of machinery

F.O. outbd
F.W. 3 E
MUF DB/15
MU-U 8.6
EVAP 3 E
GAL-D 8600

WATCH ENGR'S SIGNATURE- R. P. Adams

CHIEF ENGINEER

2 BOILER 1

5.26 P.ALK 2.9
7.01 T.ALK 4.67
7.97 ~~CHLO 2.07~~
25 PH. 4 5
55 SO. 3 5
PH
4254 WS. HRS. 4105
1606 ~~FS. HRS. 1575~~

CHIEF ENGR'S SIGNATURE- [illegible]

A 6025

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope AP-110	4-B	Tacoma Wash	Naha, Okinawa	Ad-2R-V	JULY 25-26 1966

	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)	0514 0360	0516 3000	0518 5698	0520 8470	0523 1200	0525 3869
TOTAL REVOLUTIONS (FOR WATCH)	22600	22630	22678	22780	22730	22669
AVERAGE RPM	94.1	94.2	94.5	94.9	94.7	94.5
F.O. METER (END OF WATCH)	8795 080	8797 510	8799 910	8802 350	8804 790	8807 160
F.O. CONSUMED	2430	2430	2400	2440	2440	2370
MACHINERY PARTICULARS — PRESSURES — THROTTLE	445	445	445	445	445	440
H.P. AHEAD	425	425	425	425	425	420
L.P. AHEAD	19	19	19	19	18	18.5
VACUUM	29"	29"	29.4"	29"	29"	27.4
L.O. TO TURBINES	14	14.5	14.4	14	14	14.4
AUX. STEAM	140	135	135	140	135	135
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2	2	2	2	2	2
H.P. BLEEDER	80	80	80	80	75	85
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	12"	-12	12	12"	-12	12
TEMPERATURES — STEAM AT THROTTLE	690	670	655	655	675	685
L. P. EXHAUST	90	94	95	95	95	97
CONDENSATE	85	88	87	88	90	91
CIRC. WATER IN	61	62	64	65	65	66
CIRC. WATER OUT	71	74	74	74	75	76
L.O. TO COOLERS	130	130	130	130	130	130
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	120	120	118	120	120	120
FORWARD H.P. ROTOR BEARING	126	124	125	126	125	125
AFT. H.P. ROTOR BEARING	138	138	136	136	136	136
FORWARD L.P. ROTOR BEARING	135	132	133	134	131	133
AFT. L.P. ROTOR BEARING	132	130	131	132	130	131

MACH. PARTICULARS (CONT'D) — TEMPERATURES (CONT'D)	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
HOTTEST GEAR BEARING FORWARD	157	156	156	157	155	157
HOTTEST GEAR BEARING AFT	150	148	148	148	148	148
AUX. COND. CONDENSATE	90	95	92	96	98	95
1ST STAGE FEED WATER HEATER	148	153	154	150	151	152
D. C. FEED WATER HEATER	240	238	240	240	240	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P	770	795	790	790	780	815
SUPER HEAT S	770	795	630	790	780	620
F.O. TO BURNERS	180	180	180	180	190	184
AIR TO FURNACE P	130	127	126	128	126	127
AIR TO FURNACE S	130	127	126	128	126	127
F.O. TEMP. IN SETTLING TANKS P	104	100	100	98	100	104
F.O. TEMP. IN SETTLING TANKS S	102	102	98	102	104	104
PORT BOILER UPTAKE	315	294	315	320	331	295
STBD. BOILER UPTAKE	300	295	300	300	308	295
PRESSURES — F. O. BACK PRESSURE	12	12	11	12	10	11
MAIN STEAM	460	460	465	460	460	465
F.O. TO BURNERS	175	185	190	180	190	185
MISCELLANEOUS — MAIN COND. SALINITY	.4	.8	.4	.4	.5	.4
ENGINE ROOM TEMPERATURE	76	73	72	72	72	76
FIRE ROOM TEMPERATURE	76	73	72	72	72	76
NOZZLES IN USE	16	16	16	16	16	16
NO. OF BURNERS IN USE P	3	3	3	3	3	3
NO. OF BURNERS IN USE S	3	3	3	3	3	3
BURNER TIP SIZE P	53/70	53/70	53/70	53/70	53/70	53/70
BURNER TIP SIZE S	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER	13 ~~12~~	13.5	14	13	13.5	14.
CO_2 % STBD. BOILER	13.5	13.5	14	14	13.5	14.
OIL LEVEL MAIN SUMP	1'2"	1'2"	1'	1'2"	1.2"	1'
POUCE BOTTOM SAL.	.4	.4		.4	.4	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	2	1200	445	770	7	~~130~~ 132	3.5 ~~4~~ 120		73	1400	1400	240
1600 TO 2000	2	1200	445		7	134	120		73	1250	1250	240
2000 TO 2400	2	1200	445		7	134	120		73	1250	1200	240
2400 TO 0400	2	1200	445		7	132	120		73	1200	1200	240
0400 TO 0800	2	1200	445		7	134	120		73	1150	1150	240
0800 TO 1200	2	1200	440		7	134	122		73	1200	1200	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	37.710	BOILER WATER — ON HAND AT START OF DAY	82
	METER PREVIOUS NOON	06.160	EVAPORATED OR RECEIVED	69
	CONSUMED BY METER	30.860	ON HAND	113
	ON HAND AT START OF DAY	15.690	CONSUMED	38
	RECEIVED DURING DAY	—	LUBE OIL — ON HAND AT START OF DAY	5290
	EXPENDED DURING DAY	735	RECEIVED	—
	REMAINING ON BOARD	14.955	ON HAND	5285
DOMESTIC WATER	ON HAND AT START OF DAY	1030	CONSUMED	5
	EVAPORATED OR RECEIVED	120	DIESEL OIL — ON HAND	
	ON HAND	950	RECEIVED	
	CONSUMED	200	CONSUMED	

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

#1	#2
4 hrs.	4 hrs.

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	1440	PROPELLER SLIP (%)	14.20
DETENTION TIME	✓	BBL FUEL/MI	1.47-1.71
TOTAL REVOLUTIONS	134,260	WIND DIRECTION	320°- 5 kts
AVERAGE R.P.M.	93.2	STATE OF SEA	320°- 1 ft
TOTAL MILES BY ENGINE	500	STATE OF WEATHER	pt-Cloudy
TOTAL MILES BY OBSERVATION	429	S=17.87	A=61°

REMARKS

1200-1600 WATCH

Underway on 16 Nozzles - Machinery in Operation as of Noon: Main Unit, B-1, B-2, G-2, H-1, MC-2, ME-R, D-1, D-2, P-1, P-2, F-1, F-2, W-1, L-1, S-1, LC-1, - Found Bay Bow check Valve Installed wrong way on M.U. F.E. Line, changed around & Gen Bottom Blow Form #2 Boiler 3.P. 1230 - 1430 - S.B.E. @ 1257, Poor Visibility - LH @ 1402½ - Shipyard Force Working on Main Air Comp. & Air Cond. Unit - Blew Tubes #1 & #2 Boilers 1515-1530 - Pumped Eng. Space Bilges - S.B.E. @ 1535 Poor Visibility - Changed to Inboard Settle @ 1540

F.O. OUTBD.
F.W. 3 ¢
MUF DB/1 5
MU-U 7.1
EVAP #1 & 2 3 ¢
GAL-D 8600

WATCH ENGR'S SIGNATURE- M. Fox

1600-2000 WATCH

Machinery as before except. cleaned generator strainers. cleaned suction fuel oil strainers. pumped engine bilges. Inspected machinery and spaces. made routine rounds. oiler checked reefers and recorded temperature readings. Day worker working on air compressor, air conditioner, and F.W. pump line leak. On stby all watch.

F.O. Inboard
F.W. 3¢
MUF DB/1 5
MU-U 5.7
EVAP #1 & 2
GAL-D 8,300

WATCH ENGR'S SIGNATURE- J.H. Burk

2000-2400 WATCH

Underway on 16 nozzle - machinery operating as before - F.W pump shut off - Air compressor sec - Relieved watch on standby oiler checked reefer flat @ 2000 - full ahead from standby @ 2159 - clean & changed L.O. strainer on G-2 - oiler checked reefer flat @ 2200 - standby became of fog @ 2223½ - Leak in cold F.W pipe over light fixture sec with through line @ 2245 - pumped Bilges - checked steering Eng. R.M. sec standby @ 2321½

F.O. inboard
F.W. 3¢
MUF DB 15
MU-U 6.0
EVAP 15
GAL-D 7900
2-130-1-L

WATCH ENGR'S SIGNATURE- R.P. Adams

2400-0400 WATCH

Machinery as Before, except:- changed & cleaned Fuel oil upper Burner Suction & Port Hot Strainer - changed to outboard Settle @ 0230 - Oiler checked Reefer Machinery & Spaces - Pumped Eng. Space Bilges -

F.O. OUTBD
F.W. 3 ¢
MUF DB/1 5
MU-U 6.4
EVAP #1 & 2 3 ¢
GAL-D 8600

WATCH ENGR'S SIGNATURE- M. Fox

0400-0800 WATCH

Machinery as before, except added 3 gal L.O. to P-2. Oiler made round and checked reefers. Checked steering engine room. checked machinery spaces and pumped bilges. @ 0615 2nd mate reported rock on wheel - stbd steering engine. Jr. Eng. reports everything normal. chief in E.R @ 0720

F.O. inboard
F.W. 3 ¢
MUF DB-1 5
MU-U 4.9
EVAP #1 & 2
GAL-D 8800

WATCH ENGR'S SIGNATURE- J.H. Burk

0800-1200 WATCH

Underway on 16 nozzles - machinery operating as before - sec standby @ 0812 Blew tubes from 0755 to 0815 - changed to inBD settle @ 0848 - Electruction cleaning G-1 from 0815 to 1000 - tested fire alarm @ 0915 - changed & clean center Burner @ 0930 - Disregarded alarm test as ordered by bridge @ 0932 - checked steering Eng. @ 1010 - Tested L.O. standby pump works satisfactory - Chief in Eng R.M @ 1040 - clean P.F.O. discharge strainer @ 0835 - clean Bilge pump strainer - HP - .049 LP .089

F.O. inboard
F.W. 3 ¢
MUF DB/1 5
MU-U 7.9
EVAP 3 ¢
GAL-D 8800

WATCH ENGR'S SIGNATURE- R.P. Adams

CHIEF ENGINEER

2 BOILER 1

8.18 ~~P.ALK 6.42~~
11.68 T.ALK 8.76
6.21 CHLO 2.9
30. ~~PH. 4.25~~
SO. 3
10.5 PH 10.5
4278 WS. HRS. 4139
1630 FS. HRS. 1579

CHIEF ENGR'S SIGNATURE- J.A. O'Halloran

A 6025

Tue - Wed

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	4B	Tacoma, Wash.	Naha, Okinawa	R-2 S-2 R-2	26-27 July 1966

	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	0527 6630	0529 9270	0532 3859	0534 8460	0537 3020	0539 5682
TOTAL REVOLUTIONS (FOR WATCH)	22770	22640	24589	24610	24560	22662
AVERAGE RPM	94.8	94.3	94.5	94.6	94.4	94.4
F.O. METER (END OF WATCH)	8809 570	8811 970	8814 610	8817 240	8819 890	8822 330
F.O. CONSUMED	2410	2400	2640	2630	2650	2440
MACHINERY PARTICULARS — PRESSURES: THROTTLE	440	445	440	440	445	445
H.P. AHEAD	420	425	420	420	425	425
L.P. AHEAD	19	19	19.5	19.5	19.5	20
VACUUM	29"	29"	29"	29"	29	29"
L.O. TO TURBINES	14	14.5	14.4	14	14	15
AUX. STEAM	140	135	135	140	135	137
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2	1	2	2	1	2
H.P. BLEEDER	80	80	80	80	80	80
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	11"	12	12	12"	12	12
MACHINERY PARTICULARS — TEMPERATURES: STEAM AT THROTTLE	670	675	665	660	660	670
L. P. EXHAUST	98	100	100	98	100	102
CONDENSATE	90	94	93	93	95	97
CIRC. WATER IN	68	70	68	68	70	72
CIRC. WATER OUT	78	80	80	80	80	82
L.O. TO COOLERS	128	129	128	130	128	129
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	120	120	120	120	120	120
FORWARD H.P. ROTOR BEARING	140	136	125	125	125	125
AFT. H.P. ROTOR BEARING	136	136	136	136	136	137
FORWARD L.P. ROTOR BEARING	132	133	133	132	132	134
AFT. L.P. ROTOR BEARING	130	131	131	131	131	130

MACH. PARTICULARS (CONT'D) — TEMPERATURES (CONT'D)	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
HOTTEST GEAR BEARING FORWARD	157	156	156	156	156	157
HOTTEST GEAR BEARING AFT	146	148	148	148	147	147
AUX. COND. CONDENSATE	100	102	95	100	102	102
1ST STAGE FEED WATER HEATER	153	154	155	152	154	156
D. C. FEED WATER HEATER	240	240	238	240	242	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES: SUPER HEAT P	820	810	765	770	785	800
SUPER HEAT S	820	810	620	770	785	610
F.O. TO BURNERS	180	180	180	180	180	185
AIR TO FURNACE P	130	131	129	132	134	132
AIR TO FURNACE S	130	131	129	132	134	132
F.O. TEMP. IN SETTLING TANKS P	180	102	102	102	98	116
F.O. TEMP. IN SETTLING TANKS S	102	104	104	104	106	110
PORT BOILER UPTAKE	295	298	325	325	322	290
STBD. BOILER UPTAKE	295	326	315	305	328	290
PRESSURES: F. O. BACK PRESSURE	12	10	10	12	10	11
MAIN STEAM	460	460	465	460	460	465
F.O. TO BURNERS	200	180	185	180	180	185
MISCELLANEOUS: MAIN COND. SALINITY	.4	.4	4	.4	.4	.4
ENGINE ROOM TEMPERATURE	78	77	77	78	80	82
FIRE ROOM TEMPERATURE	78	77	77	78	80	82
NOZZLES IN USE	16	16	16	16	16	16
NO. OF BURNERS IN USE P	3	3	3	3	3	3
NO. OF BURNERS IN USE S	3	3	3	3	3	3
BURNER TIP SIZE P	53/70	53/70	53/70	53/70	53/70	53/70
BURNER TIP SIZE S	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER	13.5	13.0	13.5	13.5	13.5	13
CO_2 % STBD. BOILER	13	13.0	13.0	12.5	12.5	13
OIL LEVEL MAIN SUMP	1'2"	1'1"	1'	1'2"	1'0"	1'
DOUBLE BOTTOM SAL.	.4	.4		.4	.4	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	2	1200	440		7	134	122		72	1250	1250	240
1600 TO 2000	2	1200	440		7	136	124		73	1250	1250	240
2000 TO 2400	2	1200	440		7	136	124		72	1100	1100	240
2400 TO 0400	2	1200	440		7	134	122		72	1150	1150	240
0400 TO 0800	2	1200	445		7	136	124		72	1200	1150	240
0800 TO 1200	2	1200	445		7	136	124		72	1350	1350	240

FUEL - WATER AND LUBE OIL

FUEL OIL: METER AT NOON	69.820	
FUEL OIL: METER PREVIOUS NOON	37.710	
FUEL OIL: CONSUMED BY METER	32.110	
FUEL OIL: ON HAND AT START OF DAY	14.955	
FUEL OIL: RECEIVED DURING DAY	—	
FUEL OIL: EXPENDED DURING DAY	765	
FUEL OIL: REMAINING ON BOARD	14.190	
DOMESTIC WATER: ON HAND AT START OF DAY	950	
DOMESTIC WATER: EVAPORATED OR RECEIVED	190	
DOMESTIC WATER: ON HAND	720	
DOMESTIC WATER: CONSUMED	411	
BOILER WATER: ON HAND AT START OF DAY		113
BOILER WATER: EVAPORATED OR RECEIVED		17
BOILER WATER: ON HAND		96
BOILER WATER: CONSUMED		34
LUBE OIL: ON HAND AT START OF DAY		5285
LUBE OIL: RECEIVED		—
LUBE OIL: ON HAND		5280
LUBE OIL: CONSUMED		5
DIESEL OIL: ON HAND		
DIESEL OIL: RECEIVED		
DIESEL OIL: CONSUMED		

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

1-2/4hr			12 4hrs.		

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	1500	PROPELLER SLIP (%)	13.71
DETENTION TIME	✓	BBL FUEL/MI	1.45 - 1.68
TOTAL REVOLUTIONS	140.820	WIND DIRECTION	150° - 5 Kts
AVERAGE R.P.M.	93.88	STATE OF SEA	150° - 4'
TOTAL MILES BY ENGINE	525	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	453	S = 18.12	A = 71°

REMARKS

1200-1600 WATCH

Underway on 16 Nozzles - Machinery in Operation as of Noon: Main Unit, B-1, B-2, G-2, H-1, HC-2, HE-R, AE-R, D-1, D-2, P-1, P-2, F-1, F-2, L-1, S-1, LC-1, - Working on M.U.F.E. Fuel Controller - Ship Force Working on Main air Compressor - Blew Down Gauge Glass #1 & 2 Boilers - Blew Tube #1 & 2 Boilers @ 1515-1530 - Secured Heating Steam B/O Chief Engr. - Fresh Water Secured 1200 for Repairs; on @ 1430 - Pumped Eng. Space Bilges - Changed from S-1 to S-2 @ 1300 -

F.O. INBD
F.W. 3 P/S
MUF DB/1 P
MU-U 6.4
EVAP #1 & 2 3 P
GAL-D 8900

WATCH ENGR'S SIGNATURE- M. Fox

1600-2000 WATCH

Underway on 16 nozzles. Machinery as before. Pumped E.R. Bilges. Cleaned L.O. discharge strainers main engine. Cleaned L.O. Strainers on G-2. Made routine rounds and checked machinery spaces. Changed lower burners. Oiler checked reefer spaces and obtained readings. Stby @ 1910 - Full ahead @ 1915. Steam leaks on return from fuel heating on port bulkhead. Stby @ 1945. Sounding Valve open.

F.O. outboard
F.W. 3 P/S
MUF ~~DB~~ P/S
MU-U 5.7
EVAP #1 & 2
GAL-D 9,000

WATCH ENGR'S SIGNATURE- S. H. Burk

2000-2400 WATCH

Underway on 16 nozzles - machinery as before - full ahead from standby @ 1959 - air leak in compartment 2-62-0-L (seepage from sounding tube) @ 2045 — Clean M.L.O strainer & changed over @ 2145 C & C L.O. strainer on G-2 — oiler made rounds & inspection of reefer flat @ 2000 & 2200 - pumped E.R. Bilges - Retard clock 20 min. @ 2300 made routine rounds & inspection of spaces.

F.O. outboard
F.W. 3
MUF ~~DB~~ 15
MU-U 6.0
EVAP 3 P
GAL-D 10,000

WATCH ENGR'S SIGNATURE- R. P. Calamai

2400-0400 WATCH

Machinery as Before Except: - changed & cleaned upper fuel oil Burners & Suction Strainer - Set clock Back 20 Minutes @ 0046 - Changed to Inboard Settler @ 0055 - Oiler Made Reefer Rounds - Pumped Eng. Space Bilges - added 1 Gals Lube oil #1 Feed Pump -

F.O. INBD.
F.W. 3
MUF ~~DB~~/1 P
MU-U 5.7
EVAP #1 & 2 3 P
GAL-D 9900

WATCH ENGR'S SIGNATURE- M. Fox

0400-0800 WATCH

Underway 16 nozzles. Machinery as before. Made temporary repairs on fuel oil return line on port bulkhead. Retarded clocks 20 min @ 0503 Cleaned bottom burners. Oiler made reefer rounds. Pumped E.R. bilges. Carried out standing orders

F.O. inboard
F.W. 3
MUF ~~DB~~ 1/5
MU-U 7.5
EVAP #1 & 2 1/5
GAL-D 9,800

WATCH ENGR'S SIGNATURE- S. H. Burk

0800-1200 WATCH

Underway on 16 nozzles - machinery as before - Blew tubes from 0805 - 0820 F.W. sec from 0845 - 0900 - pump No. 4 P/S hold @ 0900 - C & C Center Burners @ 0930 - Test fire alarm @ 1002 ½ - pumped E.R. Bilges - sec F.W. pumps @ 1035 steam pumps on line - C & C P.F.O strainer - changed to old B.O. settl - made routine rounds & inspection of machinery -

F.O. outboard
F.W. 3
MUF DB. 15
MU-U 6.8
EVAP 3 S
GAL-D 8600

WATCH ENGR'S SIGNATURE- R. P. Calamai

CHIEF ENGINEER

✓ BOILER 1

8.18 P.ALK 9.3+
11.69 T.ALK 12.26
~~4.1~~ CHLO 3.31
40 PH. 4 45
~~30~~ SO. 3 50
10.5 PH 10.5
4300 WS. HRS. 4163
~~1654~~ PS. HRS. 1603

CHIEF ENGR'S SIGNATURE- H. C. Halloran

A 6025

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope TAP-110	4B	Pusan Korea	Naha Okinawa	P-2S-VR-2	July 27-28, 1966

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	0541 8360	0543 9980	0546 5156	0549 0310	0551 5540	0553 8700
TOTAL REVOLUTIONS (FOR WATCH)	22680	21620	25176	25160	25230	23260
AVERAGE RPM	94.5	90.0	96.8	96.7	97.0	96.9
F.O. METER (END OF WATCH)	8824 710	8827 010	8829 720	8832 480	8835 300	8837 950
F.O. CONSUMED	2380	2310	2710	2760	2820	2550
MACHINERY PARTICULARS – PRESSURES – THROTTLE	445	445	445	445	445	440
H.P. AHEAD	425	425	425	425	425	420
L.P. AHEAD	20	23	23.5	23.5	23.5	23
VACUUM	29	29"	29"	29	29"	29
L.O. TO TURBINES	15	15	15	15	15.0	15.2
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2	2	2	2	2	2
H.P. BLEEDER	80	80	80	80	80	80
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	12"	12"	12	10"	1	10
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	670	655	665	665	670	690
L. P. EXHAUST	102	104	104	104	103	104
CONDENSATE	97	99	99	96	98	98
CIRC. WATER IN	74	75	74	74	73	73
CIRC. WATER OUT	84	82	84	84	82	82
L.O. TO COOLERS	128	122	130	128	130	130
L.O. FROM COOLERS	110	104	110	110	110	110
TEMPERATURE THRUST BEARING	118	115	118	118	120	118
FORWARD H.P. ROTOR BEARING	126	120	125	126	125	127
AFT. H.P. ROTOR BEARING	136	135	136	136	136	138
FORWARD L.P. ROTOR BEARING	134	128	130	132	132	134
AFT. L.P. ROTOR BEARING	130	127	130	130	131	132

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACH. PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – HOTTEST GEAR BEARING FORWARD	157	156	157	157	160	160
HOTTEST GEAR BEARING AFT	148	147	147	147	150	150
AUX. COND. CONDENSATE	102	102	100	100	102	100
1ST STAGE FEED WATER HEATER	156	160	160	156	154	157
D. C. FEED WATER HEATER	240	240	238	240	238	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT P	800	800	800	810	790	800
SUPER HEAT S	800	800	610	810	790	620
F.O. TO BURNERS	180	180	185	180	180	180
AIR TO FURNACE P	136	138	134	136	136	134
AIR TO FURNACE S	136	138	134	136	136	134
F.O. TEMP. IN SETTLING TANKS P	112	112	112	112	105	112
F.O. TEMP. IN SETTLING TANKS S	108	114	108	108	110	112
PORT BOILER UPTAKE	290	299	320	325	343	320
STBD. BOILER UPTAKE	295	292	305	325	337	295
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE	12	12	11	12	12	13
MAIN STEAM	460	460	470	465	465	465
F.O. TO BURNERS	180	190	195	200	200	195
MISCELLANEOUS – MAIN COND. SALINITY	.4	.4	4	.4	.4	.4
ENGINE ROOM TEMPERATURE	82	83	81	81	81	84
FIRE ROOM TEMPERATURE	82	83	81	81	81	84
NOZZLES IN USE	16	18	18	18	18	18
NO. OF BURNERS IN USE P	3	3	3	3	3	3
NO. OF BURNERS IN USE S	3	3	3	3	3	3
BURNER TIP SIZE P	53/70	53/70	53/70	53/70	53/70	53/70
BURNER TIP SIZE S	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER	13	13.0	13.5	13	14.0	13
CO_2 % STBD. BOILER	12.5	12.5	13.0	13	14.0	12.5
OIL LEVEL MAIN SUMP	1'2"	1'2"	1'	1'2"	1'0"	1'
DOUBLE BOTTOM SAL.	.4	.4		.4	.4	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	2	1200	445		7	136	126		72	1400	1400	240
1600 TO 2000	2	1200	445		7	137	124		72	1200	1150	240
2000 TO 2400	2	1200	445		7	138	125		72	1200	1150	240
2400 TO 0400	2	1200	445		7	134	124		72	1250	1250	240
0400 TO 0800	2	1200	445		7	136	124		72	1250	1250	240
0800 TO 1200	2	1200	440		7	136	126		71	1500	1450	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	02.350	BOILER WATER – ON HAND AT START OF DAY	96
	METER PREVIOUS NOON	69,820	BOILER WATER – EVAPORATED OR RECEIVED	49
	CONSUMED BY METER	32,530	BOILER WATER – ON HAND	106
	ON HAND AT START OF DAY	14.190	BOILER WATER – CONSUMED	39
	RECEIVED DURING DAY	—	LUBE OIL – ON HAND AT START OF DAY	5280
	EXPENDED DURING DAY	775	LUBE OIL – RECEIVED	—
	REMAINING ON BOARD	13.415	LUBE OIL – ON HAND	5275
DOMESTIC WATER	ON HAND AT START OF DAY	720	LUBE OIL – CONSUMED	5
	EVAPORATED OR RECEIVED	149	DIESEL OIL – ON HAND	
	ON HAND	685	DIESEL OIL – RECEIVED	
	CONSUMED	184	DIESEL OIL – CONSUMED	

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

#1 & 2 4 hrs.	#1 & 2 4 hrs.

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	1500	PROPELLER SLIP (%)	1.71
DETENTION TIME	✓	BBL FUEL/MI	
TOTAL REVOLUTIONS	140.910	WIND DIRECTION	
AVERAGE R.P.M.	93.9	STATE OF SEA	
TOTAL MILES BY ENGINE	525	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	453		

REMARKS

1200-1600 WATCH

Underway on 16 Nozzles: Machinery in operation as of noon: Main Bkt, B-1, B-2, E-1, H-1, MC-1, MC-2, ME-R, AE-R, D-1, D-2, P-1, P-2, F-1, F-2, L-1, S-2, LC-1, - Blew Down Gauge Glass #1 & 2 Boilers - Blew Tubes #1 & 2 Boilers 1515-1530 - Secured 50 lb. Steam & opened X-over from aft. Eng. Room, Ship Pace Working on Leak in Line - Pumped Eng. Space Bilges. S.B.E. @ 1300 Collision Drill 4M @ 1321

F.O. OUTBD.
F.W. 3E
MUF DB/1P
MU-U 7.5
EVAP #1 & 2
GAL-D 8700

WATCH ENGR'S SIGNATURE- M. Fox

1600-2000 WATCH

Machinery as before except - air Compressor Casualty. ~~@ 15~~ SHR @ 1740 Plant back on line @ 1755 - 18 nozzles B/O of chief. Chief Engr in Engine room 1740 - 1755. Made routine round and inspection of machinery space. checked steering engine room. Pumped bilges. Read reefer gauges and checked reefers. Day workers working on hot return line and compressor in Fwd E.R.

F.O. Inboard
F.W. 3E
MUF DB/1P
MU-U 4.2
EVAP #1 & 2
GAL-D 8,300

WATCH ENGR'S SIGNATURE- J.H. Burke

2000-2400 WATCH

Underway on 18 nozzles - machinery as before - started L.O.P. pump to pump @ 2045 - C & C 6-2 - C & C M.L.O. Strainer @ 2130 - Jr. Eng. investigated ventilation blower 186-5 in compartment 2-7 become says could not be started by controller button or reset button call out electrician @ 2130 - pumped Eng. Bilges - main air compressor sec - Cross over from AFT E.R. - retard clock 20 min @ 2301 - made routine rounds & inspection -

F.O. outboard
F.W. 3 P&S
MUF DB/1S
MU-U 6.4
EVAP #1 S
GAL-D 9500

WATCH ENGR'S SIGNATURE- R.P. Adami

2400-0400 WATCH

Machinery as Before, Except:- Set clock Back 20 minutes @ 0039 - Added 2½ gals. Lube oil #2 Fuel Pump - Changed & cleaned Upper Fuel oil Burner & Sect. Strainer - Changed to outboard Settler @ 0230 - Steam on 3rd & 4th Fuel oil Tank Ht. coils @ 0100 - Blew Down Gauge Glass #1 & 2 Boilers - Pumped Eng. Space Bilges -

F.O. OUTBD.
F.W. 3P
MUF DB/1P
MU-U 7.5
EVAP #1 & 2
GAL-D 8200

WATCH ENGR'S SIGNATURE- M. Fox

0400-0800 WATCH

Machinery as before, Except. Retarded clock 20 minutes @ 0500. checked steering engine room - pumped up reserve F.O. tank. Checked reefer and recorded readings. Pumped bilges in E.R. changed lower burners and cleaned. cleaned Inventor F.O. strainer on #2. air compressor back on - Cross over open - there seems to be trouble loading or kicking in. Chief Engr in E.R. @ 0730 - IWO.

F.O. outbd
F.W. 3S
MUF DB/1S
MU-U 7.1
EVAP #1 & 2
GAL-D 9,700

WATCH ENGR'S SIGNATURE- J.H. Burke

0800-1200 WATCH

Underway on 18 nozzles - machinery as before - Blew tubes from 0800 to 0820 - STB'D F.P. Trip out @ 0810 Reset on line @ 0812 - Test fire alarm @ 0836 - changed to inB'D set @ 0850 - C & C center Burner @ 0900 - Chief in E.R. - Jr. Towed troops through Eng space 1000 to 1100 - C & C P.F.O strainer - 1st & Utility men working on air compressor - Air compressor on line cross over open supplying AFT E.R. @ 1130 -

F.O. inboard
F.W.
MUF DB/1S
MU-U 7.9
EVAP 3 &
GAL-D 7900

WATCH ENGR'S SIGNATURE- R.P. Adami

CHIEF ENGINEER

Chief Elect. Completed Weekly Check of All Safety devices as per Check off list - Everything Satisfactory - A/S.

2 ~~BOILER~~ 1

1.42 T.ALK 8.18
9.34 ~~T.ALK~~ 12.46
4.14 CHLO 3.31
40. PH. 4 40
50 SO. 3 50
10.5 PH 10.5
~~4326 WS. HRS.~~ 4189
1678 FS. HRS. 1647

CHIEF ENGR'S SIGNATURE- for C. Hallows II

A 6025

M-day-Thur-Sat

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope TAP-110	4B	Tacoma, Wash.	Naha, Okinawa	C-2 S-MA-2	28-30 July 66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	0556 1960	0558 5200	0561 0447	0563 5610	0565 9990	0568 3200
TOTAL REVOLUTIONS (FOR WATCH)	23260	23280	25247	25170	24380	23210
AVERAGE RPM	96.9	97.0	97.1	96.8	93.7	96.7
F.O. METER (END OF WATCH)	8840 380	8843 020	8845 790	8848 530	8851 250	8853 780
F.O. CONSUMED	2530	2640	2770	2740	2720	2530
MACHINERY PARTICULARS – PRESSURES: THROTTLE	445	445	440	445	445	445
H.P. AHEAD	425	425	420	425	425	425
L.P. AHEAD	23.5	23	23.5	23.5	23.5	26
VACUUM	29"	29"	29"	29	28.5"	28.2"
L.O. TO TURBINES	15	15	15	15	15"	16
AUX. STEAM	140	135	140	140	135	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2	2	2	2	2	2
H.P. BLEEDER	80	80	80	80	80	80
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10"	10"	10	10"	10"	10
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	670	675	675	670	680	680
L. P. EXHAUST	104	102	104	104	104	106
CONDENSATE	98	98	98	98	99	102
CIRC. WATER IN	73	74	73	74	74	74
CIRC. WATER OUT	83	82	84	83	83	86
L.O. TO COOLERS	130	130	130	128	126	128
L.O. FROM COOLERS	110	110	110	110	107	110
TEMPERATURE THRUST BEARING	118	120	118	118	116	118
FORWARD H.P. ROTOR BEARING	127	125	126	126	124	127
AFT. H.P. ROTOR BEARING	138	136	137	136	135	138
FORWARD L.P. ROTOR BEARING	134	133	133	132	129	131
AFT. L.P. ROTOR BEARING	132	130	130	130	128	132

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACH. PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): HOTTEST GEAR BEARING FORWARD	160	160	160	158	156	160
HOTTEST GEAR BEARING AFT	150	148	148	148	148	150
AUX. COND. CONDENSATE	100	105	102	102	106	105
1ST STAGE FEED WATER HEATER	158	156	156	158	158	158
D. C. FEED WATER HEATER	240	240	240	240	240	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: SUPER HEAT P	800	780	790	780	780	785
SUPER HEAT S	800	780	630	780	780	650
F.O. TO BURNERS	180	180	190	180	180	185
AIR TO FURNACE P	136	134	134	135	134	135
AIR TO FURNACE S	136	134	134	135	134	135
F.O. TEMP. IN SETTLING TANKS P	110	112	110	110	108	112
F.O. TEMP. IN SETTLING TANKS S	115	114	122	122	122	118
PORT BOILER UPTAKE	320	316	385	335	345	300
STBD. BOILER UPTAKE	290	298	305	300	306	290
BOILER PARTICULARS – PRESSURES: F. O. BACK PRESSURE	12	12	10	12	12	12
MAIN STEAM	460	460	460	460	460	470
F.O. TO BURNERS	190	190	200	200	200	200
MISCELLANEOUS: MAIN COND. SALINITY	.4	.4	.4	.4	.4	.4
ENGINE ROOM TEMPERATURE	85	83	82	82	83	85
FIRE ROOM TEMPERATURE	85	83	82	82	83	85
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE P	3	3	3	3	3	3
NO. OF BURNERS IN USE S	3	3	3	3	3	3
BURNER TIP SIZE P	53/70	53/70	53/70	53/70	53/70	53/70
BURNER TIP SIZE S	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER	13	13.0	12.5	13.5	12.5	13.5
CO_2 % STBD. BOILER	13.5	13.5	12.0	13.5	13.5	14.0
OIL LEVEL MAIN SUMP	1'2"	1'1"	1'	1'2"	1'0	10"
DOUBLE BOTTOM SAL.	.4	.4		.4	.4	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	2	1200	445	670	7	136	126		70	1300	1300	240
1600 TO 2000	2	1200	445	675	7	138	125		71	1400	1350	240
2000 TO 2400	2	1200	44	675	7	138	126		71	1400	1350	240
2400 TO 0400	2	1200	445	670	7	136	126		70	1250	1250	240
0400 TO 0800	2	1200	445	680	7	138	126		72	1400	1350	240
0800 TO 1200	2	1200	445	680	7	136	126		70	1250	1250	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	35.290	BOILER WATER	ON HAND AT START OF DAY: 106
	METER PREVIOUS NOON	02.350		EVAPORATED OR RECEIVED: 28
	CONSUMED BY METER	32.940		ON HAND: 90
	ON HAND AT START OF DAY	13.415		CONSUMED: 44
	RECEIVED DURING DAY	—	LUBE OIL	ON HAND AT START OF DAY: 5275
	EXPENDED DURING DAY	12.631		RECEIVED: —
	REMAINING ON BOARD	784		ON HAND: 5270
DOMESTIC WATER	ON HAND AT START OF DAY	685		CONSUMED: 5
	EVAPORATED OR RECEIVED	133	DIESEL OIL	ON HAND
	ON HAND	634		RECEIVED
	CONSUMED	184		CONSUMED

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

#1&2 4hrs.		#1&2 4½hrs.	

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	1500	PROPELLER SLIP (%)	14.21
DETENTION TIME	—	BBL FUEL/MI	1.48 - 1.73
TOTAL REVOLUTIONS	141.610	WIND DIRECTION	080° - 10 kts
AVERAGE R.P.M.	94.4	STATE OF SEA	080° - 5 ft.
TOTAL MILES BY ENGINE	528	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	453	A = 75°	- S = 18.12

REMARKS

1200-1600 WATCH

Underway on 18 Nozzles: Machinery in operation as of Noon. Main Unit, B-1, B-2, G-2, M-4, MC-2, ME-R, E-1, E-2, D-1, D-2, P-1, P-2, F-1, F-2, C-1, L-1, S-2, LC-1, Blew down Gauge Glasses #1 & 2 Boilers - Blew Tubes #1 & 2 Boilers 1515-1530 - Pumped Eng. Space Bilges -

F.O. INBD
F.W. 3E
MUF DB/15
MU-U 6.4
EVAP #1 & 2 3E
GAL-D 5400

WATCH ENGR'S SIGNATURE- M. Fox

1600-2000 WATCH

Underway on 18 nozzles. Machinery as before except changed and cleaned F.O. Strainer on G-2. Strainer clean. Cleaned and changed lower burners. Cleaned and changed main F.O. discharge strainer. Pumped E.R. bilges. Made routine rounds and inspections.

F.O. outboard
F.W. 3E
MUF DB/15
MU-U 5.7
Evap #1 & 2 3E
GAL-D-6900

WATCH ENGR'S SIGNATURE- S. H. Burk

2000-2400 WATCH

Underway on 18 nozzles - machinery as before - C & C M.L.O strainer C & C G-2 strainer - Held casualty drill E-1 four men present Low water in boiler; loss of feed water pressure @ 2030 to 2045 - check steering Engine R.M. @ 2200 - Shaft lock @ 2-149 2nd deck lift of gangway @ 2230 - set & check 2c spare @ 2300 - pumped Eng. R.M. Bilges - made routine rounds & inspection of machinery -

F.O. OUTBD
F.W. 3E
MUF DB 15
MU-U 7
EVAP 3S
GAL-D 9200

WATCH ENGR'S SIGNATURE- R. P. Adams

2400-0400 WATCH

Machinery as Before, Except. - Changed to Inboard Settler @ 0015 - Set Clock Back 20 Minutes @ 0042 - Changed & Cleaned upper fuel oil Burners & Suction Strainer - Conducted Eng. Casualty Drill "E-1" - 0200-0220 4 Men Present, Notified Bridge - Pumped Eng. Space Bilges -

F.O. INBD
F.W. 3E
MUF DB/15
MU-U 6.4
EVAP #1 & 2 3E
GAL-D 8200

WATCH ENGR'S SIGNATURE- M. Fox

0400-0800 WATCH

Machinery as before Except - cleaned bottom burners, pumped E.R. bilges. Retarded clocks @ 0440. Checked steering E.R. Held Engine casualty Drill "E-1" 0500 - 0530. 4 men present, Notified Bridge. 0510 Purifier exhausted oil to bilge out water drain. Gauge dropped about 3 feet. Condensate pump #1 MC-1 kicked out, slowed down, put no1 cond. pump on 0520 to 0550. Oiler wiped oil off deck plate. Jr. Engineer check out toaster malfunction @ 0545 Pumped oil from storage to sump - 0552. Purifier secure

F.O. outboard
F.W. 3E
MUF DB-15
MU-U 6.4
EVAP #1 & 2 3E
GAL-D 8400

WATCH ENGR'S SIGNATURE- S. H. Burk

0800-1200 WATCH

Underway on 18 nozzles - machinery as before - Blew tubes from 0810 to 0827 - Test fire alarm 0815½ - changed & clean center burner @ 0900 changed to out B'D set @ 0847 - open hatch to compartment @ 0855 - Shut hatch @ 1110 - C & C P.F.O strainer - Chief Elect reported #2 M. condensate pump ready for use - C & put L.O.P. on line @ 1100 - made routine rounds & insp. of machinery -

F.O. outboard
F.W. 3E
MUF DB 15
MU-U 7.5
35
4000

WATCH ENGR'S SIGNATURE- R. P. Adams

CHIEF ENGINEER

0400 - 0800 - Ch. Engr in engine room 0520 - 0550. Electrician checking main condensate no2. 0725 Evap No1 being secured by Evap man.

BOILER 1

10.51	P.ALK	7.59
14.60	T.ALK	11.68
4.14	CHLO	3.31
35	PH. 4	50
60	SO. 3	50
10.5	PH	10.5
4350	WS. HRS.	4211
~~1690~~ 1700	FS. HRS.	1651

CHIEF ENGR'S SIGNATURE- G. P. Halloran

A 6025

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope AP-110	4B	Tacoma Wash	Naha, Okinawa	C-2 Cargo	July 30-31 1966

		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			7				
REVOLUTION COUNTER (END OF WATCH)		0570 6500	0572 9830	0575 3210	0577 6520	0579 9580	0582 2560
TOTAL REVOLUTIONS (FOR WATCH)		23300	23330	23380	23310	23060	22980
AVERAGE RPM		97	97.2	97.4	97.1	96.0	95.9
F.O. METER (END OF WATCH)		8856 270	8858 820	8861 320	8863 800	8866 370	8868 940
F.O. CONSUMED		2490	2550	2500	2480	2570	2570
MACHINERY PARTICULARS – PRESSURES	THROTTLE	445	445	450	445	445	445
	H.P. AHEAD	425	425	430	425	425	420
	L.P. AHEAD	27	29	27.5	27	20 ~~25~~	22.5
	VACUUM	28"	28"	28.2	28"	28"	27.8"
	L.O. TO TURBINES	16	16	15.5	16	16	16.2
	AUX. STEAM	140	14	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	2	2	2	2	2	2
	H.P. BLEEDER	80	80	80	80	80	80
	I.P. BLEEDER	6	6	6	6	6	6
	L.P. BLEEDER	9"	9"	8	8"	9	9
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	685	670	670	680	675	675
	L. P. EXHAUST	106	109	110	110	107	107
	CONDENSATE	101	104	105	106	103	104
	CIRC. WATER IN	75	76	75	76	76	77
	CIRC. WATER OUT	86	86	88	90	87	87
	L.O. TO COOLERS	128	129	129	130	128	129
	L.O. FROM COOLERS	110	110	110	110	109	110
	TEMPERATURE THRUST BEARING	120	119	118	120	118	118
	FORWARD H.P. ROTOR BEARING	128	125	126	126	125	127
	AFT. H.P. ROTOR BEARING	138	136	137	136	137	138
	FORWARD L.P. ROTOR BEARING	133	134	135	134	133	135
	AFT. L.P. ROTOR BEARING	132	131	131	131	130	131

			WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACH. PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD		160	158	160	158	158	160
	HOTTEST GEAR BEARING AFT		150	150	150	150	148	150
	AUX. COND. CONDENSATE		105	110	105	110	110	106
	1ST STAGE FEED WATER HEATER		158	162	163	162	158	160
	D. C. FEED WATER HEATER		238	242	240	240	241	238
	3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES	SUPER HEAT	P	785	790	795	790	785	800
		S	785	790	635	790	785	630
	F.O. TO BURNERS		180	180	185	180	180	185
	AIR TO FURNACE	P	136	137	136	136	136	135
		S	136	137	136	136	136	135
	F.O. TEMP. IN SETTLING TANKS	P	112	106	108	108	105	108
		S	118	112	110	112	114	102
	PORT BOILER UPTAKE		295	295	300	300	304	300
	STBD. BOILER UPTAKE		285	284	285	295	299	300
BOILER PARTICULARS – PRESSURES	F. O. BACK PRESSURE		12	13	12	12	12	
	MAIN STEAM		460	460	475	460	460	2/65
	F.O. TO BURNERS		190	200	205	200	210	210
MISCELLANEOUS	MAIN COND. SALINITY		.4	.4	4	.4	.4	.4
	ENGINE ROOM TEMPERATURE		85	85	85	85	85	90
	FIRE ROOM TEMPERATURE		85	85	85	85	85	90
	NOZZLES IN USE		18	18	18	18	18	18
	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		.13	13.5	13.5	13.	13.0	14.5
	CO_2 % STBD. BOILER		.13	14.0	13.5	13.5	13.5	13.5
	OIL LEVEL MAIN SUMP		10"	1'0"	10"	10"	10"	10"
	DOUBLE BOTTOM SAL.		.4	.4		.4	.4	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	2	1200	445		7	138	128		70	1400	1400	240
1600 TO 2000	2	1200	445		7	141	128		71	1450	1400	240
2000 TO 2400	2	1200	450		7	138	128		70	1500	1500	240
2400 TO 0400	2	1200	445		7	140	128		71	1450	1450	240
0400 TO 0800	2	1200	445		7	141	128		70	1550	1500	240
0800 TO 1200	2	1200	445		7	138	128		70	1500	1500	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	66.730	BOILER WATER	ON HAND AT START OF DAY	90
	METER PREVIOUS NOON	35.290		EVAPORATED OR RECEIVED	23
	CONSUMED BY METER	31,440		ON HAND	68
	ON HAND AT START OF DAY	12-631		CONSUMED	45
	RECEIVED DURING DAY	—	LUBE OIL	ON HAND AT START OF DAY	5270
	EXPENDED DURING DAY	748		RECEIVED	—
	REMAINING ON BOARD	11,883		ON HAND	5265
DOMESTIC WATER	ON HAND AT START OF DAY	634		CONSUMED	5
	EVAPORATED OR RECEIVED	102	DIESEL OIL	ON HAND	
	ON HAND	607		RECEIVED	
	CONSUMED	129		CONSUMED	

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

#2 4hrs.			#2 4hrs.

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
1½	Sec.	2 hrs.	4	4	4

SUMMARY

RUNNING TIME	1440	PROPELLER SLIP (%)	14.11
DETENTION TIME	✓	BBL FUEL/MI	1.46 – 1.70
TOTAL REVOLUTIONS	136.680	WIND DIRECTION	065° – 15'
AVERAGE R.P.M.	94.9	STATE OF SEA	065° – 5' ft
TOTAL MILES BY ENGINE	510	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	438	H = 76°	S = 18.25'

REMARKS

1200-1600 WATCH

Underway on 18 Nozzles. Machinery in Oper. as of Noon. Main Unit, B-1, B-2, G-2, H-1, MC-1, ME-R, E-2, D-1, D-2, P-1, P-2, F-1, F-2, C-1, L-1, S-2, LC-1. Secured LC-1 @ 1330 - Blew Tubes #1 & 2 Boiler @ 1515-1530 - Pumped Eng. Space Bilges -

F.O. INBD
F.W. 3 P
MUF DB/1
MU-U 6.7
EVAP #2 #3
GAL-D 3600

WATCH ENGR'S SIGNATURE- M. Fox

1600-2000 WATCH

Underway on 18 Nozzles. Machinery as before, except: Pumped E.R. bilges, cleaned main L.O. discharge strainer. Made routine rounds and inspections. Checked and pumped up reservoir on steering engine. Cleaned D-2 L.O. Strainer.

F.O. - Inboard
F.W. 43 P
MUF DB-1/2
MU-U 5.7
EVAP. #2 not secured #3
GAL-D 3700

WATCH ENGR'S SIGNATURE- S. H. Burk

2000-2400 WATCH

Underway on 18 nozzles - machinery as before - sounded L.O storage TK & sett TK by gage, storage 7', sett 4' - H.P. Thrust .049 - LP .087 - checked steering gear @ 2100 - C & C M.L.O strainer @ 2105 - put L.O.P on line @ 2200 - C & C G-2 strainer - made routine rounds & insp. of machinery -

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

WATCH ENGR'S SIGNATURE- R. P. Adams

2400-0400 WATCH

Machinery as Before, Except: - changed & cleaned Fuel oil Suction Strainer & ~~Lower~~ Upper Burner - Changed to outboard Settle @ 0245 - Added 2 gals. Lube oil #2 Fuel Pump - Pumped Eng. Space Bilge -

F.O. OUTBD
F.W. 3 P
MUF DB/1.5
MU-U 6.4
EVAP #2 #3
GAL 3400

WATCH ENGR'S SIGNATURE- M. Fox

0400-0800 WATCH

Machinery as before, Except. added 3 gal L.O. to P-2. made routine rounds and checked machinery spaces. Checked steering engine room - o.k. Pumped E.R. Bilges. Changed and cleaned lower burners. #1 Evap distilling to bilges - tested 10 grains. Ch. Engr. in Engine room 0735-0745

F.O. outboard
F.W. 3 P
MUF DB/1.5
MU-U 6.0
EVAP #2 #3
GAL-D 2300

WATCH ENGR'S SIGNATURE- S. H. Burk

0800-1200 WATCH

Underway on 18 nozzles - machinery as before - Blew Tubes from 0810 to 0829 - STB'D feed pump trip out @ 0825 back on line immediately - C & C center burner @ 0900 - C&C P.F.O. strainer - Re-set L.O.P @ 0950 - oil ring pumping well - checked steering E.R. - made routine rounds & inspections - changed to sided with @ 1125 -

F.O. INBD
F.W. 3 P
MUF DB/1.5
MU-U 7.5
EVAP 3.5
GAL-D 3200

WATCH ENGR'S SIGNATURE- R. P. Adams

CHIEF ENGINEER 1730-1800 - Held Engineering Casualty Drill E-2 - Boiler Tube failure. Four men present. Notified bridge. 2030-2045 - Held Casualty Drill E-2 Boiler tube failure ~~four~~ men present - Notified bridge.

2 BOILER 1

9.93 P.ALK	7.01
14.02 T.ALK	11.10
4.14 CHLO	3.31
35 PH.	45
3.5 SO.	50
10.5 PH	10.5
4374 WS. HRS.	4235
1726 FS. HRS.	1645

Conducted Eng. Casualty Drill "E-2" 0200-0220 4 Men Present Notified Bridge -

CHIEF ENGR'S SIGNATURE- [illegible] O'Halleran

A 6025

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope T-AP-110	4 B	Tacoma Wash.	Naha, Okinawa	R2-S-A2-2	July 31-Aug 1, 1966

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260			
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	0584 5580	0586 8360	0589 3230			
TOTAL REVOLUTIONS (FOR WATCH)	23020	22780	24870			
AVERAGE RPM	95.9	94.9	95.7			
71,500 F.O. METER (END OF WATCH)	8871 460	8874 110	8876 900			
F.O. CONSUMED	2520	2650	2790			
MACHINERY PARTICULARS – PRESSURES – THROTTLE	445	445	440			
H.P. AHEAD	425	225	420			
L.P. AHEAD	22	19	23			
VACUUM	28"	28"	28"			
L.O. TO TURBINES	16	16	16			
AUX. STEAM	140	140	140			
BACK PRESSURE	9	9	9			
GLAND STEAM	2	2	2			
H.P. BLEEDER	80	80	80			
I.P. BLEEDER	6	6	6			
L.P. BLEEDER	10"	11"	10			
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	680	675	680			
L. P. EXHAUST	105	107	110			
CONDENSATE	102	104	108			
CIRC. WATER IN	76	80	77			
CIRC. WATER OUT	87	90	92			
L.O. TO COOLERS	128	128	130			
L.O. FROM COOLERS	110	110	111			
TEMPERATURE THRUST BEARING	120	120	119			
FORWARD H.P. ROTOR BEARING	128	125	127			
AFT. H.P. ROTOR BEARING	138	136	137			
FORWARD L.P. ROTOR BEARING	135	133	135			
AFT. L.P. ROTOR BEARING	131	130	131			

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACH. PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – HOTTEST GEAR BEARING FORWARD		160	160	161			
HOTTEST GEAR BEARING AFT		150	150	148			
AUX. COND. CONDENSATE		110	110	108			
1ST STAGE FEED WATER HEATER		160	156	163			
D. C. FEED WATER HEATER		240	240	238			
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	P	790	800	800			
	S	790	800	625			
F.O. TO BURNERS		180	180	185			
AIR TO FURNACE	P	136	135	134			
	S	136	135	134			
F.O. TEMP. IN SETTLING TANKS	P	102	104	96			
	S	100	114	126			
PORT BOILER UPTAKE	2-7	~~13~~ 295	299	300			
STBD. BOILER UPTAKE		310	302	315			
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE		12	12	11			
MAIN STEAM		460	460	465			
F.O. TO BURNERS		190	190	190			
MISCELLANEOUS – MAIN COND. SALINITY		.4	.4	.4			
ENGINE ROOM TEMPERATURE		90	90	91			
FIRE ROOM TEMPERATURE		90	90	91			
NOZZLES IN USE		18	18	18			
NO. OF BURNERS IN USE	P	3	3	3			
	S	3	3	3			
BURNER TIP SIZE	P	53 70	53 70	53 70			
	S	53 70	53 70	53 70			
CO_2 % PORT BOILER		13	13.0	12.5			
CO_2 % STBD. BOILER		12.5	13.5	12.5			
OIL LEVEL MAIN SUMP		10"	10"	10"			
DOUBLE BOTTOM CAL.		.4	.4				

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	2	1200	445	680	7	142	130		70	1500	1500	240
1600 TO 2000	2	1200	445	675	7	144	132		71	1350	1350	240
2000 TO 2400	2	1200	440	680	7	144	132		70	1400	1350	240
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	83350	BOILER WATER – ON HAND AT START OF DAY	68
	METER PREVIOUS NOON	66.730	EVAPORATED OR RECEIVED	53
	CONSUMED BY METER	16.620	ON HAND	98
	ON HAND AT START OF DAY	11.883	CONSUMED	23
	RECEIVED DURING DAY	—	LUBE OIL – ON HAND AT START OF DAY	5265
	EXPENDED DURING DAY	396	RECEIVED	—
	REMAINING ON BOARD	11,487	ON HAND	5260
DOMESTIC WATER	ON HAND AT START OF DAY	607	CONSUMED	5
	EVAPORATED OR RECEIVED	67	DIESEL OIL – ON HAND	
	ON HAND	626	RECEIVED	
	CONSUMED	48	CONSUMED	

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

1-2	1-2	1-2
4 HRS	4 HRS	4 1/3

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	740	PROPELLER SLIP (%)	13.46
DETENTION TIME	✓	BBL FUEL/MI	1.52 - 1.76
TOTAL REVOLUTIONS	69.650	WIND DIRECTION	100° - 20 kts
AVERAGE R.P.M.	94.12	STATE OF SEA	100° - 5' ft
TOTAL MILES BY ENGINE	260	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	225	A = 79°	S = 18 kts

REMARKS

1200-1600 WATCH

Underway on 18 nozzles: machinery in oper. as of noon: Main Unit, B-1, B-2, G-1, H-1, MC-1, ME-R, E-1, E-2, D-1, D-2, P-1, P-2, F-1, F-2, C-1, L-1, S-2, LC-1, #1 Feed Pump tripped out @ 1415 - Back on line immediately - added 2 gals. Lube oil #1 Feed Pump - Blew Tube #1 & #2 Boiler 1515-1530 - Pumped Eng. Space Bilges - Che

F.O. INBD.
F.W. 3S
MUF
MU-U DB/1S
EVAP #1 & #2 V-3P
GAL

WATCH ENGR'S SIGNATURE- M. Fox

1600-2000 WATCH

Machinery as before, except: Purifier lost seal @ 1605 back on @ 1610 Chief Electrician called out @ 1730 to check stbd supply in compartment 2-3. Checked steering engine room - pumped up reservoir. Pumped Engine room bilges. Made routine rounds and inspections. Cleaned and changed bottom burners.

F.O. Inboard
F.W. - 2/5+P
MUF - DB-1S
MU-U 5.3
Evap. #1-3S #2 -3B

WATCH ENGR'S SIGNATURE- S.H. Burk GAL-D. 9,600

2000-2400 WATCH

Underway on 18 nozzles - machinery as before - close water tight door @ 2000 - C & C M.L.O.S and G-2 - checked steering E.R. - pumped Eng Bilges - Wind on 3-216 over flooding checked & se. - made routine rounds and inspection of Engine spaces - Retard clock 20 min @ 2300 - se steam heat to inBD at @ 2335 -

F.O. inboard
F.W. 2+5
MUF DB 1P
MU-U 4.5
EVAP 3S+1S
GAL D 1066

WATCH ENGR'S SIGNATURE- R.P. Adami

2400-0400 WATCH

See Eng log

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

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

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

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

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

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

1830-1900 Held Engineering Casualty drill E-3 High Salinity in Boiler or Boilers. 7 men present. Notified bridge. Held casualty drill E-3 - High Salinity in Boiler or Boilers - 7 men present. Notified Bridge @ 2145 to 2200

2 1

9.34 ~~P.ALK~~ 10.51
13.43 T.ALK 14.02
7.04 CHLO 7.46
40 PH. 4 45
55 SO. 3 50
10.5 PH 10.5
4398 WS. HRS. 4259
1750 FS. HRS. 1699

CHIEF ENGR'S SIGNATURE- H. P. Halleran

A 6025

NAVSHIPS 3676 (REV. 11-60)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY Y

U. S. U.S. Gen John Pope T-AP-110

PLANT NO. 1

AT ANCHOR

TIME: ZONE DESCRIPTION

SET CLOCKS AHEAD OR BACK 20 min MINUTES AT 2300-0100-0500 DATE 7-1 19 66

HOUR ENDING 8-1-66 / 7-31-66

	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
STEAM TO REG. VALVE, PRESSURE #G	8	8	8	8	8	8	8	10	10	10	10	8	8	8	8	8	8	7	7	7	7	7	7	8
STEAM FROM REG. VALVE, PRESSURE #G	-5	-5	-5	5"	5"	5"	5"	5	5	5	5	-6	-4	-4	-4	-4"	4"	3"	3	3	3	3	3	-4
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	-11	-11	-11	8"	8"	9"	10"	11	11	11	11	-12	-9	-9	-9	9"	9"	9"	9"	10	10	10	10	-10
STEAM TO 1ST EFFECT, TEMPERATURE, °F	240	240	236	240	240	240	245	235	235	235	235	246	240	240	240	240	240	240	240	240	240	240	240	230
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	160	160	160	170	170	170	170	155	155	155	160	155	170	170	170	170	170	170	170	170	170	170	170	160
1ST EFFECT SHELL PRESSURE, "HG	-14	-14	-14	12"	12"	14"	14"	14	14	14	14	-15	-13	-13	-13	13"	13"	14"	14"	14	14	14	14	-14
2D EFFECT COIL DRAIN, TEMPERATURE, °F	144	144	144	158	160	160	160	140	140	140	140	138	148	150	150	150	150	150	152	150	152	152	152	144
2D EFFECT SHELL PRESSURE, "HG	-23	-23	-23	20"	22"	23"	23"	23	23	23	23	-23	-23	-23	-23	23"	23"	23"	23"	23	23	23	23	-23
3D EFFECT COIL DRAIN, TEMPERATURE, °F	134	134	134	150	148	148	150	132	132	132	132	130	140	140	140	144	144	140	140	140	140	140	140	138
3D EFFECT SHELL PRESSURE, "HG																								
CONDENSATE TO COOLER, TEMPERATURE, °F	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	152	
CONDENSATE FROM COOLER, TEMPERATURE, °F	88	88	88	88	88	88	88	89	89	89	89	84	86	88	88	88	88	88	88	88	88	88	88	88
BRINE OVERBOARD, TEMPERATURE, °F	114	114	114	120	120	120	120	120	120	120	120	114	116	118	118	120	120	120	120	120	120	120	120	
STEAM TO AIR EJECTOR, PRESSURE, #G	94	94	94	94	94	94	94	94	94	94	94	96	96	96	96	94	94	94	94	94	94	94	94	96
AIR EJECTOR DRAINS, TEMPERATURE, °F																								
CIRC. WATER INJECTION, TEMPERATURE, °F	78	78	78	80	80	80	80	78	75	78	75	74	74	74	74	76	76	75	75	75	75	75	75	78
CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F	78	78	78	80	80	80	80	75	75	75	75	74	74	74	74	76	76	75	75	75	78	75	78	78
CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F																								
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F																								
FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F	116	116	116	112	112	112	112	112	112	112	112	110	112	120	120	114	114	114	114	114	114	114	114	114
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F	130	130	130	138	138	138	138	130	130	130	130	126	130	136	136	134	134	132	132	134	134	134	134	129
FEED TO 1ST EFFECT, TEMPERATURE, °F	146	146	146	160	160	158	160	144	144	144	144	142	150	154	154	154	154	150	150	150	150	150	150	144
CIRC. WATER OVERBOARD, TEMPERATURE, °F	104	104	104	104	104	104	104	104	104	104	104	100	100	100	104	104	104	104	104	106	106	106	106	104
CIRC. PUMP SUCTION PRESSURE, #G	4	4	3	3	3	3	3	3	3	3	3	6	4	4	4	4	4	4	4	4	4	4	4	4
CIRC. PUMP DISCHARGE PRESSURE, #G	17	17	17	17	17	17	17	17	17	17	17	17	19	17	17	18	18	18	18	18	18	18	18	18
BRINE PUMP SUCTION PRESSURE, #G	-18	-18	-17	17"	17"	17"	17"	17	17	17	17	-18	-18	-18	-18	18"	18"	17"	17"	17	17	17	17	17
BRINE PUMP DISCHARGE PRESSURE, #G	35	35	34	34	34	33	33	34	34	34	34	36	35	35	35	35	35	36	36	36	36	36	36	34
FEED PUMP SUCTION PRESSURE, #G	0	0	0	0	0	0	0	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	0	0	0	0	0	0	0	0	0	0
FEED PUMP DISCHARGE PRESSURE, #G	11	11	12	34	34	34	34	30	30	30	30	32	36	38	38	35	37	35	35	35	35	35	35	12
1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G	-12	-12	-12	9"	9"	10"	10	10	10	10	10	-13	-10	-10	-9	9"	9"	10"	10"	10	10	10	10	-11
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	52	52	52	54	54	50	52	50	50	50	50	52	52	52	52	53	53	52	52	52	52	52	52	52
F. W. PUMP DISCHARGE PRESSURE	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
FEED DENSITY, 32NDS																								
BRINE OVERBOARD DENSITY, 32NDS												1.0	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
CHEMICAL TEST.	5.0	3.0	5.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0	5.0	7.0	1.0	0.7	2.0	2.0	2.0	2.0	5.0	5.0	5.0	5.0	10.0
AIR EJECTOR DRAINS, SALINITY—E. P. M.	0.3	0.3	0.3	.2	.2	.2	.2	.2	.02	.02	.02	0.4	0.4	0.4	0.4	.1	.1	.1	.1	.02	.02	.02	.02	~~[illegible]~~ 0.3
1ST EFFECT DRAINS, SALINITY—E. P. M.	0.1	0.1	0.1	.06	.06	.06	.06	.01	.01	.01	.01	0.1	0.1	0.1	0.1	.01	.02	.04	.05	.01	.01	.01	.01	0.1
CONDENSATE FROM COOLER, SALINITY—E. P. M.																								

1

DISTILLED WATER RECORD

HOUR ENDING	METER READING	GALLONS SHIPS TANKS*	GALLONS FEED TANKS*
0000			
0100			
0200			
0300	063HA900	5900	23
0400			
0500			283
0600			
0700	06350700	1400	4400 = 4Hr 20 min.
0800			
0900			
1000			
1100	06321400		
1200	06356100	5400	
1300			
1400			
1500	06327000	5600	
1600			
1700		180	
1800			
1900	06332800	134	5800
2000			
2100			
2200			
2300	06339000	6200	
2400			

* *Indicate under REMARKS number of tanks being filled.*

SCALING RECORD

	EFFECT NO. 1	NO. 2	NO. 3
DATE LAST SCALED	7-30-66	7-30-66	7-30-66
HOURS BROUGHT FORWARD	4 ~~675~~	4	4
HOURS THIS DATE			
HOURS TO DATE			
GALLONS BROUGHT FORWARD	6000		
GALLONS THIS DATE			
GALLONS TO DATE			

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

REMARKS

8-1-66

0000-0400
#1-Unit dist. to #3 Stbd.
Refilled #1 Haga Vap tank.

SIGNED H.M. Guinan

0400-0800
#1 Unit Dist. to #3 stbd
0800 #1 port & stbd Test 2 drops
0900 Shifted Dist to #1 port-Feed
pumped Bilges in Evap & Refer Flat
0900 shifted Dist to #3
#1 port & stbd. Test 2 Drops 0930

SIGNED R. Sheppard

0800-1200
#1 UNIT DIST TO
#3 CENTER LINE

SIGNED E.J. Magallanes

7-31-66

1200-1600
1255 - dist to #3 - Port.
1310 - 1335 - dist to Bilge - Salt.
1335 - dist to #3 Port.
Filled Haga Vap Tank

SIGNED H.M. Guinan

1600-2000
#1 Evap. dist to #3 port
@1600 shifted Dist. to #1 stbd - Feed
#1 port & stbd Test 2 Drops.
pumped Bilges in Evap & Refer Flats.

SIGNED R. Sheppard

2000-2400
#1 UNIT DIST. TO #
3 STBD.
Added 8 OZ CHLORINE
PER 1000 GALS.

SIGNED E.J. Magallanes

NAVSHIPS 3676 (REV. 11-50) BACK

Stocked in CDS

For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.

NAVSHIPS 3876 (REV. 11-50)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY 4 U.S.S. USS Gen John Pope T-AP-110 PLANT NO. 2

AT ANCHOR TIME: ZONE DESCRIPTION SET CLOCKS AHEAD OR BACK 20 Min MINUTES AT 2300-0100-0500 DATE 7-1 19 66

HOUR ENDING 8-1-66 / 7-31-66

	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
STEAM TO REG. VALVE, PRESSURE #G	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
STEAM FROM REG. VALVE, PRESSURE #G	+2	+2	2	2	2	2	2	2	2	2	2	-1	-1	+1	-1	3	3	3	3	3	3	3	3	-2
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STEAM TO 1ST EFFECT, TEMPERATURE, °F	300	300	295	290	290	290	290	285	285	285	285	285	285	285	285	285	285	295	295	295	295	295	295	300
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	196	196	200	195	195	195	190	185	185	185	185	176	176	176	176	190	190	196	195	195	195	195	195	196
1ST EFFECT SHELL PRESSURE, "HG	-9	-9	-8	10"	10"	10"	10"	10	10	10	10	-13	-13	-13	-13	10	10"	10"	10"	10	10	10	10	-10
2D EFFECT COIL DRAIN, TEMPERATURE, °F																								
2D EFFECT SHELL PRESSURE, "HG	-17	-17	-17	20"	20"	20"	20"	19	19	19	19	-21	-21	-21	-21	19"	19"	18"	18	18	18	18	18	-18
3D EFFECT COIL DRAIN, TEMPERATURE, °F	160	160	162	152	154	154	154	154	154	154	154	144	144	144	144	156	156	162	162	162	162	162	162	160
3D EFFECT SHELL PRESSURE, "HG	-21	-21	-22	23"	23"	23"	23"	24	24	24	24	-24	-24	-24	-24	23"	23"	22"	22"	25	25	25	25	-21
CONDENSATE TO COOLER, TEMPERATURE, °F	154	154	156	146	146	146	144	148	148	148	148	136	136	136	136	144	144	150	150	144	144	140	144	150
CONDENSATE FROM COOLER, TEMPERATURE, °F	104	104	104	100	100	100	98	100	100	100	100	92	92	92	92	96	96	100	98	96	96	96	96	102
BRINE OVERBOARD, TEMPERATURE, °F	142	142	146	138	138	138	138	138	138	138	138	128	128	128	128	132	132	136	136	132	132	132	132	142
STEAM TO AIR EJECTOR, PRESSURE, #G	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
AIR EJECTOR DRAINS, TEMPERATURE, °F																								
CIRC. WATER INJECTION, TEMPERATURE, °F	78	78	78	80	80	80	80	78	78	78	78	74	74	74	74	76	76	75	75	78	78	78	78	78
CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F	78	78	78	80	80	80	80	78	78	78	78	74	74	74	74	76	76	75	75	78	78	78	78	78
CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F																								
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F																								
FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F	115	115	115	112	110	110	110	110	110	110	110	100	100	100	100	110	110	110	110	110	110	110	110	115
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F	126	126	128	120	120	120	120	120	120	120	120	110	110	110	110	120	120	120	122	120	120	120	120	122
FEED TO 1ST EFFECT, TEMPERATURE, °F	140	140	142	138	138	140	142	134	134	134	134	124	124	124	124	132	132	134	134	132	132	132	132	138
CIRC. WATER OVERBOARD, TEMPERATURE, °F	108	108	110	106	104	104	104	104	104	104	104	100	100	100	100	104	104	102	104	104	104	104	104	106
CIRC. PUMP SUCTION PRESSURE, #G	4	4	5	5	5	5	5	5	5	5	5	-4	-4	-4	-4	5	5	5	5	5	5	5	5	5
CIRC. PUMP DISCHARGE PRESSURE, #G	20	20	20	21	21	21	21	20	20	20	20	20	20	20	20	20	20	20	21	21	21	21	21	21
BRINE PUMP SUCTION PRESSURE, #G	-15	-15	15	15"	15"	16"	16"	15	18	16	18	18	-15	-15	-15	16"	16"	15	15"	15	15	15	15	-15
BRINE PUMP DISCHARGE PRESSURE, #G	19	19	19	19	19	19	19	19	19	19	19	17	18	18	18	18	18	20	20	20	20	20	20	19
FEED PUMP SUCTION PRESSURE, #G	18	18	18	16	16	16	16	17	17	17	17	16	16	16	16	—	—	—	17	17	17	17	17	17
FEED PUMP DISCHARGE PRESSURE, #G	33	33	34	34	34	34	34	28	28	28	28	14	14	14	14	—	—	—	35	35	35	35	35	32
1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G	-1	-1	-0	2"	2"	3"	3"	3	3	3	3	-4	-4	-4	-4	3	4	4	4	4	4	4	4	-3
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	42	42	40	40	40	40	40
F. W. PUMP DISCHARGE PRESSURE	12	12	12	14	14	14	14	10	10	10	10	7	7	10	10	10	10	10	10	10	10	10	10	10
FEED DENSITY, 32NDS																								
BRINE OVERBOARD DENSITY, 32NDS	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
CHEMICAL TEST.	0.2	0.2	0.2	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.2	1.5	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.2
AIR EJECTOR DRAINS, SALINITY—E. P. M.	0.1	0.1	0.1	.06	.06	.06	.06	.01	.01	.01	.01	0.1	0.1	0.1	0.1	.06	.06	.06	.06	.01	.01	.01	.01	0.1
1ST EFFECT DRAINS, SALINITY—E. P. M.	0.1	0.1	0.1	.05	.05	.05	.05	.01	.01	.01	.01	0.1	0.1	0.1	0.1	.05	.05	.05	.05	.01	.01	.01	.01	0.1
CONDENSATE FROM COOLER, SALINITY—E. P. M.																								

#2-

DISTILLED WATER RECORD

HOUR ENDING	METER READING	GALLONS SHIPS TANKS*	GALLONS FEED TANKS*
0000			
0100			
0200			
0300	02225600		4400
0400			
0500			
0600			
0700	02229900	1000	3300 = 4Hr. 420 min
0800			
0900			
1000			
1100	02209400	~~3000~~	
1200	02233700	3800	
1300			
1400			
1500	02213000	3000	
1600			
1700			
1800			
1900	02216800	3800	
2000			
2100			
2200			
2300	02221200	~~4~~	4400
2400			

** Indicate under REMARKS number of tanks being filled.*

SCALING RECORD

	EFFECT NO. 1	EFFECT NO. 2	EFFECT NO. 3
DATE LAST SCALED	6-6-66	6-6-66	6-6-66
HOURS BROUGHT FORWARD	850		
HOURS THIS DATE			
HOURS TO DATE			
GALLONS BROUGHT FORWARD	898600		
GALLONS THIS DATE			
GALLONS TO DATE			

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

REMARKS

8-1-66

0000-0400

#2-Set dist to #1-Stbd Feed TK.

SIGNED H M Guinan

0400-0800

#2 Unit Dist. To #3 stbd
0400 #1 port & stbd Test 2 Drops.
0500 shifted Dist To #1 port-Feed
Filled #2 Noeuap Tank
pumped Bilges in Evap & Refer Flats
0700 shifted dist to #3
0730 #1 port & stbd Test 2 Drops

SIGNED R. Sheppard

0800-1200

#2 UNIT DIST TO
#3 CENTER LINE

SIGNED E. J. Magallanes

7-31-66

1200-1600

1255-dist to #3 Port.
Added 8 oz chlorine per 1000 Gal water dist.

SIGNED H M Guinan

1600-2000

#2 Evap Dist To #3 port
#1 port & stbd Test 2 Drops.
Added chlorine 8oz To Each 1000 Gals
Fresh water Dist

SIGNED R. Sheppard

2000-2400

#2 UNIT DIST TO
#1 STBD FEED.

SIGNED E. J. Magallanes

NAVSHIPS 3675 (REV. 11-50) BACK

Stocked in CDS

For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.

NAVSHIPS 3676 (REV. 11-60)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY _____ U. S. S. GEN. JOHN POPE PLANT NO. 1

AT ANCHOR _____ TIME: ZONE DESCRIPTION _____ SET CLOCKS ~~AHEAD~~ OR BACK 20 min THE MINUTES AT 2300-0100-0500 DATE 7-29-24 1966

	7-24-66	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
	HOUR ENDING															7-23-66									
STEAM TO REG. VALVE, PRESSURE #G	7					10	10	10	7	7	7	7									7	7	7	7	7
STEAM FROM REG. VALVE, PRESSURE #G	-3					0	0	0	0	0	0	0									0	0	0	0	-3
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	-3					0	0	0	3	3	3	3											5"	5	-3
STEAM TO 1ST EFFECT, TEMPERATURE, °F	290					290	290	290	294	294	294	294											290	290	290
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	162					185	185	185	185	185	185	185											175	175	162
1ST EFFECT SHELL PRESSURE, "HG	16					16"	16"	16"	9"	9"	9"	9"											16"	16	16
2D EFFECT COIL DRAIN, TEMPERATURE, °F	140					160	160	160	155	155	155	155											140	140	140
2D EFFECT SHELL PRESSURE, "HG	14					22"	22	22	22	23	23	23											14	14	14
3D EFFECT COIL DRAIN, TEMPERATURE, °F	130					148	148	148	150	150	150	150											130	130	130
3D EFFECT SHELL PRESSURE, "HG	21					—	—	—	19	19	19	19											21	21	21
CONDENSATE TO COOLER, TEMPERATURE, °F	152					152	152	152	152	152	152	152											152	152	152
CONDENSATE FROM COOLER, TEMPERATURE, °F	76					80	80	80	86	86	86	86											68	68	76
BRINE OVERBOARD, TEMPERATURE, °F	124					124	126	120	136	136	136	136											110	110	
STEAM TO AIR EJECTOR, PRESSURE, #G	94					94	94	94	94	94	94	94											94	94	94
AIR EJECTOR DRAINS, TEMPERATURE, °F																									
CIRC. WATER INJECTION, TEMPERATURE, °F						60	60	60	60	60	60	60											54	54	54
CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F						60	60	60	60	60	60	60											54	54	54
CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F						60	60	60	60	60	61	60											50	50	62
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F									94	94	94	94											90	90	94
FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F						112	114	114	116	116	116	116											100	90	94
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F						130	130	130	128	128	128	128											120	105	108
FEED TO 1ST EFFECT, TEMPERATURE, °F						154	154	154	144	144	144	144											120	120	126
CIRC. WATER OVERBOARD, TEMPERATURE, °F						98	100	100	86	86	86	86											80	80	86
CIRC. PUMP SUCTION PRESSURE, #G	7					6	6	6	7	7	7	7											5	5	7
CIRC. PUMP DISCHARGE PRESSURE, #G	20					20	20	20	20	20	20	20											20	20	20
BRINE PUMP SUCTION PRESSURE, #G	17					18	18	18	15	15	15	15											19	19	17
BRINE PUMP DISCHARGE PRESSURE, #G	33					28	28	28	32	32	32	32											33	33	33
FEED PUMP SUCTION PRESSURE, #G	0					1	1	1	1	1	1	1											0	0	0
FEED PUMP DISCHARGE PRESSURE, #G	37					44	44	44	40	40	40	40											35	35	37
1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G	-7					4	4	4	5	5	5	5											9	9	-7
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	50					54	54	54	50	50	52	52											48	48	50
F. W. PUMP DISCHARGE PRESSURE	10					10	10	10	10	10	10	10											10	10	10
FEED DENSITY, 32NDS																									
BRINE OVERBOARD DENSITY, 32NDS						1.5	1.5	1.5	1.5	1.5	1.5	1.5											1.5	1.5	
Chemical						40	30	30	20	20	20	20											30s	20	30
AIR EJECTOR DRAINS, SALINITY—E. P. M.						.05	.1	.1	.1	.1	.1	.1											07	06	0.5
1ST EFFECT DRAINS, SALINITY—E. P. M.						.02	.02	.04	.01	.01	.01	.01											.01	.01	0.1
CONDENSATE FROM COOLER, SALINITY—E. P. M.																									

7-23-66 # 1

DISTILLED WATER RECORD

HOUR ENDING	METER READING	GALLONS SHIPS TANKS*	GALLONS FEED TANKS*
0000			
0100			
0200			
X 0300	06188700	1200 / 45	
0400			
0500			
0600			
X 0700	06190400	1700	
0800			
0900			
1000			
SUN X 1100	06194800	4400	
1200			
1300			
1400			
1500			
1600			
1700			
1800			
1900			
2000			
2100			
X 2200	06185700		
2300	06187100	1400	
2400			

* *Indicate under REMARKS number of tanks being filled.*

SCALING RECORD

	EFFECT NO. 1	EFFECT NO. 2	EFFECT NO. 3
DATE LAST SCALED	6-6-66	6-6-66	6-6-66
HOURS BROUGHT FORWARD	519		
HOURS THIS DATE			
HOURS TO DATE			
GALLONS BROUGHT FORWARD	~~782600~~	856000	
GALLONS THIS DATE			
GALLONS TO DATE			

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

REMARKS

7-23-66

0000–0400

DOH5 #1 - Brine Outbd. Pump Stopped - Could not get started. 0050 - Sec #1 Set of Evaps.

SIGNED H. M. Guinan

1200–1600

SIGNED

0400–0800

0415 called chief Elec. To start #1 Brine pump. Burned out Fuse. 0430 Hit off #1 set of Evaps 0500 #1 Set Dist to #3 & 0500 set clocks Back 20 min.

SIGNED R. Shippard

1600–2000

1900 Hit off #1 set of Evaps 1930 #1 set of Evaps Dist to #2 port & stbd.

SIGNED R. Shippard

0800–1200

#1 Unit Dist. To #3 Center Line Washed Floor Plate w/ Soap & Water.

SIGNED E. J. Magallanes

2000–2400

#1 Evap Dist. To #2 Port & Stbd. @ 2000 #1 Brine pump Kicked off. Secured Plant. Called Elect. Started @ 2100. Fresh Water Meter out of Order.

SIGNED E. J. Magallanes

NAVSHIPS 3676 (REV. 11-50) BACK

Stocked in CDS

For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.

NAVSHIPS 3676 (REV. 11-50)

LOW PRESSURE DISTILLING PLANT OPERATING RECORD

UNDERWAY ✓ USS Gen. John N. POPE A-T-110 PLANT NO. 2

AT ANCHOR _____ TIME: ZONE DESCRIPTION _____ SET CLOCKS AHEAD OR BACK ~~1 hr~~ 20 min MINUTES AT 2300-0100-0500 DATE 7-24 19 66

	7-24-66																7-25-66							
HOUR ENDING	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
STEAM TO REG. VALVE, PRESSURE #G	8	8	8	8	8	8	8	8	8	8	8						7	7	7	7	7	7	8	8
STEAM FROM REG. VALVE, PRESSURE #G	1	0	0	0	0	0	0	0	0	0	0						0	0	0	0	0	0	0	0
STEAM TO 1ST EFFECT, PRESSURE, "HG OR #G	1	0	0	0	0	0	0	0	0	0	0						0	0	0	0	0	0	0	0
STEAM TO 1ST EFFECT, TEMPERATURE, °F	285	275	275	275	275	275	275	285	285	275	275						275	275	275	275	275	275	285	285
1ST EFFECT COIL DRAIN, TEMPERATURE, °F	180	186	186	186	180	180	180	185	185	185	185						170	170	170	170	170	170	180	180
1ST EFFECT SHELL PRESSURE, "HG	12	10	10	10	12"	12"	12"	12	12	12	12						14	14	14	14	14	14	12	12
2D EFFECT COIL DRAIN, TEMPERATURE, °F																								
2D EFFECT SHELL PRESSURE, "HG	20	20	19	19	20"	20"	20"	20	20	20	20						22	22	22	22	22	22	21	21
3D EFFECT COIL DRAIN, TEMPERATURE, °F	150	156	156	156	150	150	150	152	152	152	152						136	136	136	136	136	136	148	148
3D EFFECT SHELL PRESSURE, "HG	24	23	22	22	23"	23"	23"	23	23	23	23						24	24	24	24	24	24	26	26
CONDENSATE TO COOLER, TEMPERATURE, °F	139	146	146	146	138	138	138	142	142	142	142						128	128	128	128	128	128	138	138
CONDENSATE FROM COOLER, TEMPERATURE, °F	88	92	92	98	88	88	88	92	92	92	92						78	78	78	78	78	78	88	88
BRINE OVERBOARD, TEMPERATURE, °F	134	136	138	142	120	120	120	136	136	136	136						120	120	120	120	120	120	129	134
STEAM TO AIR EJECTOR, PRESSURE, #G	96	86	86	86	86	86	86	86	86	56	86						98	98	98	95	98	98	94	91
AIR EJECTOR DRAINS, TEMPERATURE, °F																								
CIRC. WATER INJECTION, TEMPERATURE, °F	60	60	60	60	60	60	60	62	62	62	62						60	60	54	54	54	54	60	60
CIRC. WATER TO CONDENSATE COOLER, TEMPERATURE, °F	60	60	60	60	60	60	60	62	[illegible]	62	62						60	60	54	54	54	54	60	60
CIRC. WATER TO DISTILLER CONDENSER, TEMPERATURE, °F																								
FEED TO AIR EJECTOR CONDENSER, TEMPERATURE, °F																								
FEED TO 2D EFFECT VAP. FD. HEATER, TEMPERATURE, °F	104	120	120	120	110	110	110	11[illegible]	[illegible]	[illegible]	110						96	96	90	90	90	90	102	102
FEED TO 1ST EFFECT VAP. FD. HEATER, TEMPERATURE, °F	126	130	130	130	120	120	120	122	[illegible]	122	122						104	104	104	104	104	104	118	118
FEED TO 1ST EFFECT, TEMPERATURE, °F	140	148	148	148	134	134	134	135	135	138	138						120	120	120	120	120	120	132	132
CIRC. WATER OVERBOARD, TEMPERATURE, °F	108	108	108	108	100	100	100	104	104	104	104						82	82	82	82	82	82	94	94
CIRC. PUMP SUCTION PRESSURE, #G	7	6	6	6	6	6	4	6	6	6	6						5	5	5	5	5	5	6	6
CIRC. PUMP DISCHARGE PRESSURE, #G	22	22	22	22	22	22	22	22	22	22	22						21	21	21	21	21	21	22	22
BRINE PUMP SUCTION PRESSURE, #G	-16	-15	-15	-15	17	17	17	15	15	15	15						17	17	17	17	17	17	-16	-16
BRINE PUMP DISCHARGE PRESSURE, #G	16	19	19	18	17	17	17	17	17	17	17						16	16	16	16	16	16	17	17
FEED PUMP SUCTION PRESSURE, #G	20	21	21	21	20	20	20	20	20	20	20						18	18	18	18	18	18	19	19
FEED PUMP DISCHARGE PRESSURE, #G	39	40	38	38	36	36	36	37	37	37	37						33	33	33	33	33	33	37	37
1ST EFFECT DRAIN PUMP SUCTION PRESSURE, #G	-4	-1	-1	-1	5	5	5	9	9	9	9						12	12	12	12	12	12	-5	-5
1ST EFFECT DRAIN PUMP DISCHARGE PRESSURE, #G	45	46	45	45	45	45	45	40	40	40	40						41	41	41	41	41	41	45	45
F. W. PUMP DISCHARGE PRESSURE	10	12	10	10	14	14	14	14	14	10	10						10	10	10	10	10	10	10	10
FEED DENSITY, 32NDS																								
BRINE OVERBOARD DENSITY, 32NDS	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5						1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
F.W. TEST	.2	.2	.2	.2	.20	.20	.20	.20	.20	.20	.20						.30	.30	.20	.20	.20	.20	.2	
AIR EJECTOR DRAINS, SALINITY—E. P[illegible]					.06	.06	.06	.01	.01	.01	.01						.05	.05	.01	.01	.01	.01	.1	.1
1ST EFFECT DRAINS, SA[illegible]	.1	.1	.1	.1	.05	.05	.05	.01	.01	.01	.01						.05	.05	.01	.01	.01	.01	.1	.1
CONDENSATE FROM C[illegible]	.1	.1	.1	.1																				

#2

DISTILLED WATER RECORD

	HOUR ENDING	METER READING	GALLONS SHIPS TANKS*	GALLONS FEED TANKS*
	0000			
	0100			
	0200			
x	0300	02046600		
	0400			
	0500			
	0600			
x	0700	02051700		4100
	0800			
	0900			
Sun x	1000	02056100		4400
	1100			
	1200			
	1300			
	1400			
	1500			
	1600			
	1700			
	1800			
x	1900	02037000		
	2000			
	2100			
	2200			
	2300	02041600	4600	
	2400			

500 / 9 / 31

** Indicate under REMARKS number of tanks being filled.*

SCALING RECORD

	EFFECT NO. 1	NO. 2	NO. 3
DATE LAST SCALED	6-66-66	6-6-66	6-6-66
HOURS BROUGHT FORWARD	686		
HOURS THIS DATE			
HOURS TO DATE			
GALLONS BROUGHT FORWARD	732600		
GALLONS THIS DATE			
GALLONS TO DATE			

CHECKED (Signature)

APPROVED

(Engineer Officer, U. S. N.)

REMARKS

7-24-66

0000–0400

#2 - Evap dist to #2-P & #2 Stbd.
0240 - Dist. to #1-Stbd-

SIGNED

0400–0800

#2 Evaps Dist to #1 stbd. feed
#1 stbd. Test 2 Drops - #1 port
Test 4 Drops 0415.
Filled Hagevap Tank @ 0200
0200 set clocks back 20 min

SIGNED R. Skippard

0800–1200

#2 Unit Dist. to
#1 Stbd. Feed
Test @ 1145 = 2 Drops

SIGNED E. J. Magallanes

7-23-66

1200–1600

SIGNED

1600–2000

1600 Lit off #2 set of Evaps
1700 #2 set of Evaps Dist to
#2 port & stbd

SIGNED R. Skippard

2000–2400

#2 Evap Dist. to #
2 Port & 2 Stbd.
Filled Hage Evap TR
Pump Bilge in Evap Flat

SIGNED E. J. Magallanes

NAVSHIPS 3676 (REV. 11-50) BACK

Stocked in CDS

For disposal of this record see current Records Disposal Instructions for Vessels of the U. S. Navy.

CENTRIFUGAL AIR CONDITIONING COMPRESSOR LOG

DATE 8-2-66

TIME	PRESSURE: STEAM TO THROTTLE	STEAM TO NOZZLE	STEAM TO EXHAUST	~~[illegible]~~ LUBE OIL	PURGE UNIT	COMPRESSOR LUBE OIL	SUCTION	DISCHARGE	LUBE OIL TEMP		TEMPERATURE: COND WATER IN	COND WATER OUT	CHILLED WATER IN	CHILLED WATER OUT	FREON IN COOLER	FREON IN CONDENSER	COND WATER IN	COND WATER OUT	CHILLED WATER IN	CHILLED WATER OUT	BEARING LINE	BEARING THRUST	ROOM	DAMPER SETTING	SPEED RPM	REMARKS 8-3-66
0100	440/440	340/340	12/12	11/11	ON	16/16	18/18	9/9	118/118		5/5	14/14	28/28	48/48	102/102		84/84	88/88	47/47	43/43	136/136	78/78			3800/3800	0000-0400 ~~[illegible]~~ Chgd. 40 gals. with ~~20 oil~~ 0100 Refrig. full. Clock one hr. 0145 Tubing backed out of flow. ~~Temp. [illegible]~~ Reset & put on line. Hourly
0200	440	330	12	11	"	14	15	10	120		5	14	26	46	104		84	88	57	53	124	80			2500	0400-0800
0300	440	340	11	11	"	15	18	9.5	120		5	14	26	46	104		84	88	47	43	134	78			3800	
0400	440	340	12	11	"	16	21	9	120		5	14	26	46	104		84	88	46	43	136	79			3800	
0500	440	340	12	11	"	16	21	9	116		5	14	26	46	102		84	88	46	43	136	79			3800	0800-1200
0600	440	340	12	10	"	16	21	9	115		5	14	26	46	102		84	88	46	46	138	79			3800	
0700	440	340	12	10		16	21	9.5	115		5	14	26	43	103		84	88	48	44	138	80			3800	
0800	440	330	12	10		15	18	8.5	120		5	14	26	46	102		83	87	49	45	135	79			3750	
0900	430	320	12	10		15	18	9	120		5	14	26	46	102		84	88	51	47	135	80			3650	1200-1600 ~~Hour commence lighting off A/C unit.~~ Chgd. water 30 gals.
1000																										
1100																										
1200																										
1300																										1600-2000 1900 let off A/C unit.
1400																										
1500																										
1600																										
1700																										2000-2400
1800																										
1900																										Routine watch
2000	440	330	13	11	ON	15	17	9.5	115		6	14	26	46	102		84	88	52	47	130	80			3700	Maurer
2100	450	340	13	11	"	16	-17	9	115		5	14	[illegible]	45	102		84	88	48	45	130	78			3750	
2200	450	340	13	11	"	16	-18	9	117		5	14	26/26	44	102		84	88	48	44	130	78			3800	
2300	450	340	11	11	"	16	-18	9	118		5	14	26	46	102		84	88	47	43	130	78			3800	
2400	450	340	12	11	"	16	18	9	118		5	14	26	45	102		84	88	47	43	136	78			3800	

	TIME	CIRC WATER INLET TEMP	COMPRESSOR 1 SUCT PRESS	COMPRESSOR 1 DISCH PRESS	COMPRESSOR 1 WATER OUT TEMP	COMPRESSOR 2 SUCT PRESS	COMPRESSOR 2 DISCH PRESS	COMPRESSOR 2 WATER OUT TEMP	COMPRESSOR 3 SUCT PRESS	COMPRESSOR 3 DISCH PRESS	COMPRESSOR 3 WATER OUT TEMP	COMPRESSOR 4 SUCT PRESS	COMPRESSOR 4 DISCH PRESS	COMPRESSOR 4 WATER OUT TEMP	COMPRESSOR 5 SUCT PRESS	COMPRESSOR 5 DISCH PRESS	COMPRESSOR 5 WATER OUT TEMP
	0100	83				0	115	88	20	110	98	5	105	92	0	115	95
8/3/66	0200	83				0	115	88	10	115	98	—	—	—	0	115	95
	0400	83				0	115	87	20	115	98	10	105	91	0	115	97
	0600	83				0	115	88	20	115	99	9	105	91	0	115	94
	0800	83				0	120	87	0	110	98	7	105	92	0	115	95
8/2/66	1000	81				0	115	87	5	115	99	13	110	92	0	115	95
	1200	81				0	115	86	5	115	98	5	105	92	0	115	94
	1400	82				0	115	86	20	105	98	10	110	92	0	115	94
	1600	83				0	115	88	—	—	—	14	110	93	0	115	92
	1800	82				0	115	90	10	115	98	15	110	93	0	115	95
	2000	83				0	115	89	15	115	99	12	110	92	0	115	96
	2200	83				0	115	90	—	—	99	7	110	92	0	115	96
	2400	83				0	115	88	20	115	98	10	110	93	0	115	95

MAIN REEFER LOG: USNS GEN JOHN POPE (T-AP110) DATE 8/2/66 + 8/3/66

COID STORAGE BOX TEMPERTURES

	TIME	ICE CREAM 1	DAIRY 2	MEAT 3	FROZ FOOD 4	THAW 5	MEAT 6	THAW 7	MEAT 8	VEG. 9	BUTT. EGGS 10	FRUIT 11
	0100	-4	34	-1	2	23	-1	34	-3	35	34	37
8/3/66	0200	-4	34	-1	2	23	-1	34	-3	35	34	37
	0400	-4	36	-2	2	18	-2	34	-2	35	34	37
	0600	-4	37	-2	2	25	-3	37	-4	35	36	38
	0800	2	37	0	2	39	-3	34	1	34	37	40
8/2/66	1000	-1	42	0	6	44	-3	33	6	35	34	41
	1200	-3	36	-1	6	34	-4	34	-2	35	34	40
	1400	-4	36	5	2	35	-3	34	-2	36	34	39
	1600	-4	37	-1	4	34	-1	34	5	36	34	40
	1800	-4	37	-2	6	39	0	35	-3	36	34	—
	2000	-4	36	-1	4	32	1	34	-5	34	35	44
	2200	-4	35	0	4	26	-1	33	-4	35	34	37
	2400	-4	35	0	3	27	-1	34	-4	35	34	37

REMARKS

0000-0400
0100 Retard all clock one hour

Herigstad

0400-0800

Beans

0800-1200

Warren

1200-1600

Herigstad

1600-2000
Defrosted #11 Walkin Box 1730 hrs.

Cans

2000-2400 2015 Secured defrosting #11 box.

Warren

CHIEF ENGINEER

		CIRC WATER	COMPRESSOR 1			COMPRESSOR 2			COMPRESSOR 3			COMPRESSOR 4			COMPRESSOR 5		
	TIME	INLET TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP
21 July	0200	60	~~0~~	~~105~~	—	0	110	86				20	105	86			
	0400	60	~~0~~	—	—	0	110	82				15	105	84			
	0600	60	0	105	80	0	110	82				20	105	83			
	0800	58	-1	110	94	0	105	86				20	105	88			
	1000	54	0	105	88	0	110	87				20	105	88			
	1200	53	0	105	90	0	105	86				20	105	90			
20 July	1400	55	0	105	88	0	105	86				15	110	88			
	1600	60	0	115	92	0	110	84				15	110	83			
	1800	62	0	110	90	0	110	83				10	110	84			
	2000	62	0	110	91	0	110	86				8	105	87			
	2200	62	0	110	91	0	110	86				12	110	87			
	2400	60	0	110	90	—	—	—				15	105	88			

MAIN REEFER LOG: USNS GEN JOHN POPE (T-AP110) DATE

COLD STORAGE BOX TEMPERTURES

	TIME	ICE CREAM 1	DAIRY 2	MEAT 3	FROZ FOOD 4	THAW 5	MEAT 6	THAW 7	MEAT 8	VEG. 9	BUTT. EGGS 10	FRUIT 11
21 July	0200	-5	37	-4	-1	8	-3	34	-2	38	34	37
	0400	-5	37	-5	-2	8	-2	34	-3	38	33	36
	0600	-5	36	-5	0	25	0	36	-2	38	33	37
	0800	-5	37	-5	-1	14	2	37	-5	38	33	38
	1000	-5	39	-5	-1	24	-2	34	-1	38	33	37
	1200	-6	37	-3	0	20	-2	34	-5	38	33	37
20 July	1400	-6	36	-3	0	20	0	35	15	38	38	36
	1600	-5	37	-5	0	17	-2	34	-5	38	33	35
	1800	-5	37	-5	-1	14	-2	34	-2	37	33	35
	2000	-5	38	-5	-1	11	-3	34	-5	37	33	35
	2200	-5	37	-5	-2	10	-3	34	-1	38	34	36
	2400	-6	37	-5	-1	9	-3	34	-3	38	34	36

REMARKS

0000-0400

Heigated

0400-0800

Beans

0800-1200

Macon

1200-1600

Heigated

1600-2000

Beans

2000-2400

Macon

CHIEF EN[redacted]NEER

		CIRC WATER	COMPRESSOR 1			COMPRESSOR 2			COMPRESSOR 3			COMPRESSOR 4			COMPRESSOR 5		
	TIME	INLET TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP	SUCT PRESS	DISCH PRESS	WATER OUT TEMP
19 July	0200	65	0	110	90	0	110	84				15	105	84			
	0400	65	0	105	90	0	105	84				25	110	88			
	0600	65	0	105	90	0	105	84				15	110	90			
	0800	65	0	110	90	0	115	84				15	115	84			
	1000	65	0	110	90	0	110	84				15	110	84			
18 July	1200	65	0	—	—	0	105	84				15	110	88			
	1400	65	0	115	90	0	110	84				13	110	84			
	1600	65	0	115	90	0	110	84				—	—	—			
	1800	65	0	115	90	0	110	84				15	110	84			
	2000	65	0	115	90	0	110	84				20	110	84			
	2200	65	0	115	90	0	110	84				~~15~~	—	—			
	2400	65	0	115	90	0	110	86				5	110	84			

MAIN REEFER LOG: USNS GEN JOHN POPE (T-AP110) DATE 18 & 19 July

COLD STORAGE BOX TEMPERTURES

	TIME	ICE CREAM 1	DAIRY 2	MEAT 3	FROZ FOOD 4	THAW 5	MEAT 6	THAW 7	MEAT 8	VEG. 9	BUTT. EGGS 10	FRUIT 11
19 July	0200	-5	37	-5	0	5	-3	35	-2	–	33	37
	0400	-6	35	-5	0	5	-3	34	-2	–	33	35
	0600	-6	37	-5	0	5	-3	34	-5	45	33	36
	0800	-5	37	-5	-1	4	-4	35	-2	43	33	35
	1000	-6	37	-5	0	20	-4	34	-5	42	34	45
18 July	1200	-4	36	-4	0	13	-3	34	-2	42	34	38
	1400	-6	34	-5	0	42	-3	34	-3	33	34	34
	1600	-6	34	-5	0	10	-3	34	-3	36	34	36
	1800	-6	38	-5	0	7	-3	34	-3	36	34	36
	2000	-6	38	-5	0	7	-3	34	-3	36	34	36
	2200	-6	38	-5	0	6	-3	34	-3	36	34	36
	2400	-6	37	-5	0	5	-3	34	-1	–	33	37

REMARKS

0000-0400

Herigstad

0400-0800
0430 #9 walkin box on line

Herigstad

0800-1200

Rivas

1200-1600

Damy

1600-2000

Hardy

2000-2400 no #9 Box Secured 1030
Loading Stores.

Hardy

CHIEF ENGINEER

25 July

July 24 — 24 July 66 — (25-July)

	TIME	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
1.	L.P. EXHAUST TEMP	93	92	92	92	92	92	92	92	93	93	94	95	90	95	94	93	94	92	92	93	93	93	93	93
2.	MN COND STE TEMP	84	84	84	87	86	87	86	84	85	85	85	88	88	86	86	88	88	86	86	84	84	83	74	84
3.	MN INJ TEMP	60	60	60	60	60	60	60	60	61	61	62	62	64	64	60	60	60	60	60	60	60	60	60	60
4.	MN OVBD TEMP	71	71	71	71	71	71	71	71	71	71	72	72	72	72	72	72	72	71	71	72	71	71	71	71
5.	L.O. TO COOLERS	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	130	128	126	125	125	125	125	125	125
6.	L.O. FROM COOLERS	110	110	116	110	110	110	110	110	110	110	110	108	108	110	110	110	109	106	105	105	105	105	105	105
7.	THRUST BRG TEMP	120	120	120	120	120	120	120	120	118	118	118	118	118	118	120	120	118	116	115	118	118	118	120	118
8.	FWD H.P. ROTOR BNG	122	122	122	124	124	124	124	124	124	124	125	125	125	126	124	125	124	120	120	122	121	121	122	122
9.	AFT H.P. ROTOR BNG	134	134	134	136	136	136	136	136	136	136	138	138	138	138	138	136	135	135	134	134	134	134	134	134
10.	FWD L.P. ROTOR BNG	128	128	128	131	134	133	132	134	133	133	135	135	135	135	136	133	132	130	128	126	128	127	127	127
11.	AFT L.P. ROTOR BRG	128	130	130	131	130	131	131	131	131	131	132	132	132	132	132	130	130	127	127	127	127	127	127	128
12.	HOT GEAR BRG FWD	155	155	155	155	155	155	155	155	155	155	157	156	156	156	156	156	155	155	155	155	155	155	155	155
13.	HOT GEAR BRG AFT	146	146	146	147	147	148	148	148	148	148	150	147	147	147	147	146	145	145	145	145	145	145	145	145
14.	AUX COND STE TEMP	90	90	90	90	90	90	90	90	90	90	92	90	90	95	95	95	90	90	92	87	88	90	90	90
15.	1ST STAGE AIR TEMP	150	150	150	148	150	151	150	151	150	151	154	152	152	150	150	152	152	150	152	152	150	148	150	150
16.	D.C. HEATER TEMP	237	238	238	238	235	245	238	238	238	238	240	235	240	238	240	240	232	238	242	240	240	240	240	240
17.	SUPRHT TEMP PORT	800	800	800	765	765	770	770	770	770	765	770	800	800	800	800	800	800	800	800	800	800	800	800	800
18.	SUPRHT TEMP STBD	630	630	630	615	620	610	615	630	620	625	630	630	630	630	630	630	630	620	625	630	630	625	625	630
19.	F.O. SETT TEMP P	110	110	110	108	104	104	104	104	104	104	104	124	124	120	120	118	110	110	110	112	112	112	110	110
20.	F.O. SETT TEMP S	102	102	102	106	108	104	104	104	104	104	104	116	116	114	114	112	116	112	108	104	104	104	102	102
21.	UPTAKE PORT	300	305	305	315	318	336	336	385	285	295	300	290	290	295	295	295	290	295	290	290	285	285	285	285
22.	UPTAKE STBD	285	290	290	290	296	300	303	300	285	295	300	295	290	290	290	291	285	293	293	290	285	285	285	285
23.	F.O. PUMP SUCT TEMP	120	120	120	120	118	116	115	116	116	116	116	136	136	134	134	134	122	122	120	122	122	122	120	120
24.	MN FD PMP L.O PORT	32	32	32	31	32	32	32	32	32	32	32	34	34	34	34	32	32	32	29	31	31	31	31	31
25.	MN FD PMP L.O STBD	30	30	30	25	25	30	25	30	30	30	26	31	31	31	31	25	25	25	30	30	30	25	30	30
26.	L.O. TO GEARS	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	114	110	110	110	110	110	110	110
27.	AIR CONTR L.O. PRESS	28	28	28	—	—	—	—	27	—	—	—	28	28	28	28	28	—	—	—	—	—	—	—	28

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29. L.O. PRES #1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
28. L.O. PRES #2	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
31. L.O. TO COOLER #1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
30. L.O. TO COOLER #2	130	130	130	132	132	132	132	132	132	132	132	132	132	130	130	133	132	132	132	132	132	132	131	130
33. L.O. FROM COOLER #1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
32. L.O. FROM COOLER #2	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
35. L.O. GOV PRES #1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
34. L.O. GOV PRES #2	73	73	73	73	73	73	73	73	73	73	73	72	72	72	72	73	73	73	73	73	73	73	73	73
37. AMPS POS #1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
36. AMPS POS #2	1100	1200	1150	1200	1250	1300	1250	1250	1350	1350	1250	1600	1450	1250	1400	1450	1300	1250	1300	1250	1250	1200	1200	1100
39. AMPS NEG #1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
38. AMPS NEG #2	1100	1200	1150	1150	1200	1250	1200	1200	1300	1300	1250	1600	1450	1250	1400	1400	1250	1250	1250	1200	1200	1200	1200	1100
41. HP HIGH SPEED PIN. AFT	146	146	146	147	147	148	148	148	148	148	150	147	147	147	147	146	145	145	145	145	145	140	145	146
42. HP INTER SPEED PIN FWD	140	140	140	141	143	145	145	145	142	142	145	142	142	142	142	142	140	140	137	138	138	138	138	138
43. HP INTER SPEED PIN AFT	140	142	142	145	145	145	145	145	145	145	147	145	145	145	145	145	143	142	140	142	142	142	142	142
44. L.P. THRUST BEARING	128	126	126	128	129	129	128	130	128	128	132	130	130	130	130	128	128	126	125	125	125	124	124	126
45. H.P. THRUST BEARING	142	142	142	142	141	142	142	142	142	142	144	144	144	144	144	142	141	140	140	140	140	140	141	142
46. LP HIGH SPEED PIN. FWD	136	134	134	136	136	136	136	136	136	136	137	137	137	137	137	136	135	133	132	132	132	132	132	134
47. LP HIGH SPEED PIN. AFT	130	130	130	130	130	130	131	131	131	131	132	132	132	132	132	130	128	128	127	127	127	127	127	128
48. LP INTER SPEED PIN FWD	154	154	154	154	154	154	154	154	154	154	154	156	156	156	156	155	154	151	151	152	152	152	152	154
49. LP INTER SPEED PIN. AFT	132	132	132	134	134	134	134	134	134	134	134	136	136	136	136	135	132	130	130	130	130	130	130	132
50. MAIN GEAR ROTOR FWD	115	115	114	115	115	116	116	115	114	114	114	114	114	114	114	115	114	112	110	112	112	112	112	112
51. MAIN GEAR ROTOR AFT	108	110	110	110	110	110	110	110	110	110	110	108	108	108	108	110	105	102	102	105	105	105	105	104
52. LP BLEED	11	11	11	-11	-11	-12	-12	-12	-12	-12	-12	10	10	10	10	-11	-11	-12	-12	-12	-12	-12	-12	12
HP-HS. PIN FWD	155	155	155	155	155	156	155	155	155	155	157	156	156	156	156	156	155	155	155	155	155	155	155	155

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29. L.O. PRES #1					9	9	9	9	9	9	9						—	—	—	—				
28. L.O. PRES #2					10	10	10	10	10	10	10						10	10	10	10	10	10	10	10
31. L.O. TO COOLER #1					130	130	130	135	132	132	132						—	—	—	—				
30. L.O. TO COOLER #2					130	130	130	130	130	130	130						130	130	130	130	130	130	130	130
33. L.O.FROM COOLER #1					110	110	110	110	110	110	110						—	—	—	—				
32. L.O.FROM COOLER #2					110	110	110	110	110	110	110						108	110	110	110	110	110	110	110
35. L.O. GOV PRES #1					62	62	62	60	62	62	62						—	—	—	—				
34. L.O. GOV PRES #2					50	50	50	50	50	50	50						50	50	50	50	50	50	50	50
37. AMPS POS #1					—	—	—	—									—	—	—	—				
36. AMPS POS #2					1250	1250	1250	1300	1250	1250	1250						1200	1200	1200	1200	1250	1250	1250	1250
39. AMPS NEG #1					—	—	—	—									—	—	—	—				
38. AMPS NEG #2					1250	1250	1250	1300	1250	1250	1250						1200	1200	1200	1200	1250	1250	1250	1250
41. HP HIGH SPEED PIN. AFT					136	136	136	136									136	136	136	136	136	136	136	136
42. HP INTER SPEED PIN FWD					140	140	142	142									142	142	142	142	142	142	142	142
43. HP INTER SPEED PIN AFT					132	132	132	132									135	135	135	135	135	135	135	135
44. L.P. THRUST BEARING					130	130	130	130									132	132	132	132	132	132	132	132
45. H.P. THRUST BEARING					144	144	144	144									144	144	144	144	144	144	144	144
46. LP HIGH SPEED PIN. FWD					126	126	126	126									128	128	128	128	128	128	128	128
47. LP HIGH SPEED PIN. AFT					124	124	124	124									124	124	124	124	124	124	124	124
48. LP INTER SPEED PIN FWD					142	142	142	142									143	143	143	143	143	143	143	143
49. LP INTER SPEED PIN. AFT					135	135	135	135									135	135	135	135	135	135	135	135
50. MAIN GEAR ROTOR FWD					109	109	109	109									108	108	108	108	108	108	108	108
51. MAIN GEAR ROTOR AFT					105	105	105	105									105	105	105	105	105	105	105	105
52. LP BLEED					12	12	12	12									12	12	12	12	12	12	12	12

Normal Temperature

TIME	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
1. L.P. EXHAUST TEMP																98	94	94	96					
2. MN COND STE TEMP																74	76	84	84					
3. MN INJ TEMP																46	50	54	54					
4. MN OVBD TEMP																70	70	70	68					
5. L.O. TO COOLERS																118	125	124	126					
6. L.O. FROM COOLERS																104	110	110	110					
7. THRUST BRG TEMP																108	110	110	110					
8. FWD H.P. ROTOR BNG																115	121	123	125					
9. AFT H.P. ROTOR BNG																118	120	122	124					
10. FWD L.P. ROTOR BNG																120	125	126	127					
11. AFT L.P. ROTOR BRG																120	124	126	126					
12. HOT GEAR BRG FWD																108	112	112	113					
13. HOT GEAR BRG AFT																113	115	116	117					
14. AUX COND STE TEMP																74	77	80	80					
15. 1ST STAGE AIR TEMP																160	160	165	165					
16. D.C. HEATER TEMP																240	240	240	240					
17. SUPRHT TEMP PORT																720	740	700	730					
18. SUPRHT TEMP STBD																720	740	700	730					
19. F.O. SETT TEMP P																95	100	102	103					
20. F.O. SETT TEMP S																75	78	80	80					
21. UPTAKE PORT																275	275	275	275					
22. UPTAKE STBD																265	265	265	265					
23. F.O. PUMP SUCT TEMP																80	100	110	120					
24. MN FD PMP L.O PORT																35	31	32	32					
25. MN FD PMP L.O STBD																34	29	27	27					
26. L.O. TO GEARS																19	19	19	19					
27. AIR COMPR L.O. PRESS																32	33	33	33					

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
29. L.O. PRES #1																8	8	8	8					
28. L.O. PRES #2																10	10	10	10					
31. L.O. TO COOLER #1																134	130	130	128					
30. L.O. TO COOLER #2																128	130	130	130					
33. L.O.FROM COOLER #1																112	110	110	108					
32. L.O.FROM COOLER #2																107	108	110	110					
35. L.O. GOV PRES #1																61	62	62	62					
34. L.O. GOV PRES #2																52	52	52	52					
37. AMPS POS #1																850	850	800	800					
36. AMPS POS #2																850	900	950	900					
39. AMPS NEG #1 3																850	800	800	800					
38. AMPS NEG #2 4																925	900	950	900					
41. HP HIGH SPEED PIN. AFT																130	134	134	134					
42. HP INTER SPEED PIN FWD																138	140	140	142					
43. HP INTER SPEED PIN AFT																130	132	133	135					
44. L.P. THRUST BEARING																124	128	128	130					
45. H.P. THRUST BEARING																138	140	140	142					
46. LP HIGH SPEED PIN. FWD																120	124	124	125					
47. LP HIGH SPEED PIN. AFT																118	124	124	125					
48. LP INTER SPEED PIN FWD																135	140	140	145					
49. LP INTER SPEED PIN. AFT																128	135	135	137					
50. MAIN GEAR ROTOR FWD																104	106	106	108					
51. MAIN GEAR ROTOR AFT																100	105	105	106					
52. LP BLEED																16	15	14	13					

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE

	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)						
F.O. CONSUMED						
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM						
BACK PRESSURE						
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L. P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						
AFT. H.P. ROTOR BEARING						
FORWARD L.P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						

	WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACH. PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE						
1ST STAGE FEED WATER HEATER						
O. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT P						
SUPER HEAT S						
F.O. TO BURNERS						
AIR TO FURNACE P						
AIR TO FURNACE S						
F.O. TEMP. IN SETTLING TANKS P						
F.O. TEMP. IN SETTLING TANKS S						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE						
MAIN STEAM						
F.O. TO BURNERS						
MISCELLANEOUS – MAIN COND. SALINITY						
ENGINE ROOM TEMPERATURE						
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE P						
NO. OF BURNERS IN USE S						
BURNER TIP SIZE P						
BURNER TIP SIZE S						
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

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

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

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

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

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

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

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

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

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

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

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

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

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

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER

P.ALK
T.ALK
CHLO
PH. 4
SO. 3
PH
WS. HRS.
FS. HRS.

CHIEF ENGR'S SIGNATURE-

A 6025