after

ENGINE ROOM LOG

GEARED TURBINE DRIVE

USNS General John Pope (TAP-110)

FROM 1200 hrs. 14 May **19** 68 **TO** 17 June **19** 68

MSTS FORM 9410/1 (REV. 7-65)
S/N 0104-160-5000

INSTRUCTIONS

1. The entries in this book will be made neatly and legibly by the engineer or other person directly in charge of the machinery of the ship, and with pen and ink or idelible pencil. No erasures nor the removal of any pages will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or idelible pencil and writing in the correct data, followed by the initials of the person making the change. The greatest care shall be used in keeping the log book to insure absolute accuracy in all particulars.

2. All entries of time shall be made on the 24-hour basis, noon-to-noon.

3. Under the heading "REMARKS" a careful, detailed record of the events occurring daily in the engine department shall be entered in the log book, including violations of orders or regulations. Entries should be preceded by the time when pertaining to important tests, casualties, injuries, etc.

4. Entries regarding the following shall also be made when occurring:

(a) Repairs accomplished during watches.

(b) Faulty or erratic operation or failure of machinery.

(c) Any important changes in machinery of any nature or additions thereto.

(d) Remetalling of bearings; fitting new piston rings; reboring cylinders; renewing pump parts, metallic packing, important valves, propeller, shafting, stern bearing, zinc protection bars and rings outboard, strainers, etc.; details to be recorded in Machinery History.

(e) Pumping of bilges.

(f) Blowing of tubes *(not applicable to Diesel and Diesel Electric).*

(g) Examining holding down bolts.

(h) Fuel and water taken aboard. The fuel account shall be carefully kept and the quantity consumed each day accurately ascertained.

(i) Record of special tests, i.e., running idle pumps, reach rods to valves, hydrostatic.

(j) Derelictions or deficiencies developed on the part of any member of the engine department.

(k) Filtering and cleaning elements installed in fuel and lube oil lines.

5. In twin screw ships when the machinery for each propeller is in separate Engine rooms, two books shall be utilized and each book shall be properly marked to indicate to which Engine room machinery it applies. When both Engines of a twin screw ship are in the same Engine space, proper identification of operating machinery will be pre-printed on each page or hand written on each page prior to daily operations.

6. The log books shall be retained on board unless required temporarily by the administrative commander and destroyed when three years old.

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Henry of John Fogg	13-8	Oakland, Calif	Subic Bay, P.I.	22-23-52	5/14-15/68

	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)	4576 3390	4578 5490	4580 6630	4583 1320	4585 3790	4587 6490
TOTAL REVOLUTIONS (FOR WATCH)	22360	22500	22740	22690	22470	22700
AVERAGE RPM	93.2	93.8	94.7	94.5	93.6	94.5
F.O. METER (END OF WATCH)	1525 4340	1525 7000	1535 9200	1526 2550	1526 5270	1532 8160
F.O. CONSUMED	2700	2660	2760	2850	2720	2890
MACHINERY PARTICULARS — PRESSURES — THROTTLE	430	430	430	430	430	430
H.P. AHEAD	430	430	430	430	430	430
L.P. AHEAD	25	25	25	25	25	25
VACUUM	28.5	28.5	28.5"	28.6"	28.6	28.6"
L.O. TO TURBINES	12.4	12.5	12.5	12.4	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	.5	.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	10"	11"	11"	11"	15"	15"
TEMPERATURES — STEAM AT THROTTLE	730	730	730	735	730	730
L. P. EXHAUST	110	109	109	109	110	113
CONDENSATE	108	107	108	107	110	110
CIRC. WATER IN	81	82	81	81	83	83
CIRC. WATER OUT	92	90	90	92	92	93
L.O. TO COOLERS	127	127	127	128	128	128
L.O. FROM COOLERS	110	109	109	110	110	110
TEMPERATURE THRUST BEARING	115	115	115	115	116	116
FORWARD H.P. ROTOR BEARING	123	123	123	123	125	126
AFT. H.P. ROTOR BEARING	128	130	130	130	130	130
FORWARD L.P. ROTOR BEARING	130	130	131	131	133	133
AFT. L.P. ROTOR BEARING	128	126	127	128	133	137

		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	150	150	150	150	150	150
	HOTTEST GEAR BEARING AFT	142	143	143	143	143	143
	AUX. COND. CONDENSATE	101	106	108	108	110	112
	1ST STAGE FEED WATER HEATER	175	176	174	174	164	165
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P							
SUPER HEAT S							
F.O. TO BURNERS		200	200	200	200	200	200
AIR TO FURNACE P		123	124	123	124	125	125
AIR TO FURNACE S		122	118	116	121	120	125
F.O. TEMP. IN SETTLING TANKS P		117	118	118	117	120	120
F.O. TEMP. IN SETTLING TANKS S		109	103	110	109	116	114
PORT BOILER UPTAKE		311	310	312	316	321	315
STBD. BOILER UPTAKE		307	311	312	319	322	320
PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		470	470	470	475	470	470
F.O. TO BURNERS		130	135	135	135	135	140
MISCELLANEOUS — MAIN COND. SALINITY		.41	.2	.2	.41	.2	.3
ENGINE ROOM TEMPERATURE		90	88	88	89	90	94
FIRE ROOM TEMPERATURE		90	100	88	89	103	94
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		51/55	51/55	51/55	51/55	51/55	51/55
BURNER TIP SIZE S		51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER			13%				
CO_2 % STBD. BOILER			13%				
OIL LEVEL MAIN SUMP		1'11"	23"	1'11"	1'11"	23"	1'11"
THRUST H.P.		.080	.060	.050	.080	.060	.050
THRUST L.P.		.140	.140	.130	.140	.140	.130

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	3	1200	430	—	9.5	134	112	—	74	700	750	240
	4	1200	430	—	9.5	140	119	—	47	700	650	240
1600 TO 2000	3	1200	430		9.5	134	113		74	1350		240
	4	1200	430		9.5	144	123		45	1350		240
2000 TO 2400	3	1300	430		9.5	135	114		74	1300	1300	240
	4	1300	430		9.5	144	121		46	1300	1300	240
2400 TO 0400	3	1200	430	—	9.5	134	112	—	74	1250	1250	240
	4	1200	430	—	9.5	144	121	—	46	1300	1300	240
0400 TO 0800	3	1200	430		9.5	134	114		74	1350		240
	4	1200	430		9.5	145	124		45	1350		240
0800 TO 1200	3	1200	430		9.5	136	115		74	1300	1300	240
	4	1200	430		9.5	148	138		45	1300	1300	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1526/8160
	METER PREVIOUS NOON	1525/5490
	CONSUMED BY METER	16520
	ON HAND AT START OF DAY	8678
	RECEIVED DURING DAY	—
	EXPENDED DURING DAY	786
	REMAINING ON BOARD	7892
DOMESTIC WATER	ON HAND AT START OF DAY	797
	EVAPORATED OR RECEIVED	79
	ON HAND	739
	CONSUMED	137
BOILER WATER	ON HAND AT START OF DAY	217
	EVAPORATED OR RECEIVED	40
	ON HAND	215
	CONSUMED	39
LUBE OIL	ON HAND AT START OF DAY	1855
	RECEIVED	—
	ON HAND	—
	CONSUMED	—
DIESEL OIL	ON HAND	2067
	RECEIVED	—
	CONSUMED	—

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

24/32000

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME	24/1440	PROPELLER SLIP (%)	11.22% [illegible]
DETENTION TIME		BBL FUEL/MI	1.742
TOTAL REVOLUTIONS	135460	WIND DIRECTION	090°-8 kts.
AVERAGE R.P.M.	94.0/94.41	STATE OF SEA	090-2 ft.
TOTAL MILES BY ENGINE	508	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	451		

REMARKS

1200-1600 WATCH Underway 18 nozz. — Mach. as before: B-3, B-4, G-3, G-4, P-3, P-4, D-3, D-4, F-3, F-4, E-1, FS-2, M-2, ME-2, ME-6, W-4, C-1, S-2, L-2, LC-2, A.CON., A.C.C.P., A.C.C.W., + BB-2. — Changed + cleaned F.O. burners (bottom) + disch. strainers — Complied with all standing orders — Tested low L.O. trip — Over-speed trip + low L.O. alarm on main unit

WATCH ENGR'S SIGNATURE- D.L. Wenner

1600-2000 WATCH Equip. in operation as before. Blew tubes on both boilers. Changed + cleaned F.O. burners + strainers. Pumped ballast from #5 Deep tank. Made routine test + inspection

WATCH ENGR'S SIGNATURE- J.M. Steele

2000-2400 WATCH Underway on 18 nozzle, changed steps burners + cleaned F.O. discharged strainers, cleaned #5 & #6 strainers + checked chlorine. Test of fresh water system — Tank .5 P.P.M. System — .3 P.P.M. made routine check of all machy. spaces, bilges — steps cleaned

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH Underway 18 nozz. — Mach. as before — Changed + cleaned bottom F.O. burners, discharge strainers + main unit L.O. strainer — Made inspection of mach. + spaces — Complied with all standing + night orders — Chief Engr. in the eng. room 0225-0235

WATCH ENGR'S SIGNATURE- D.L. Wenner

0400-0800 WATCH Equip. in operation as before. Changed + cleaned F.O. burners + strainers. Pumped ballast from #5 to Th. + #4 & P.B. Made routine test + inspection.

WATCH ENGR'S SIGNATURE- J.M. Steele

0800-1200 WATCH Underway on 18 nozzle, Blew tubes on #3 + #4 boilers @ 0800 to 0930 changed steps burners + cleaned F.O. discharged strainers. @ 0900 cut in steam to #8 & P. evaps for wash down of same. check chlorine test of fresh water tank .5 P.P.M. System .3 P.P.M. #3 & P. evap. making potable water, discharged to #5 @ 1045 Relieved Engr. made routine check of all mach. spaces, bilges + steps cleaned

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

Checked all fire fighting equipment, CO2 alarm system, tested siren, with ship air pressure O.K. changed refrigerating motor Pat, + alarm failure O.K. Submersible bilge pump test for half hr. O.K. Tested diesel emergency Gen. for 15 min. under load. Turn all dle machinery Tested all safety device + alarm system.

1st Val.

#3	BLRS. #	4
9.93	P.ALK.	9.93
12.85	T.ALK.	13.43
3.3	CHL.	3.3
25	PHOS.	20
	P.H. Cond.	7.5
25	~~P.H. J.C.~~ SO3	30
CHEMICALS ADDED		
	ACI.	
	C.C.	
	T.R.C	
STEAMING HOURS		
646	F.S.	1436
646	W.S	1436

CHIEF ENGR'S SIGNATURE- W.J. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope	12-B	Rockland, Calif	Subic Bay, P.I.	AP-42-82	5/15-16/68

		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)		4589 9020	4592 1540	4594 5530	4597 0230	4599 4530	4601 6440
TOTAL REVOLUTIONS (FOR WATCH)		22530	22520	24510	24380	24300	21910
AVERAGE RPM		93.9	93.8	93.5	93.8	93.5	91.4
F.O. METER (END OF WATCH)		1527 1220	1527 4080	1527 7150	1528 0320	1528 3310	1528 6030
F.O. CONSUMED		3060	2860	3050	3190	2990	2720
MACHINERY PARTICULARS – PRESSURES	THROTTLE	430	430	430	430	420	430
	H.P. AHEAD	430	430	430	430	420	430
	L.P. AHEAD	25	24	23.5	23.5	18	23
	VACUUM	28.4"	28.4	28.2"	28.2"	28.7	28.3
	L.O. TO TURBINES	12.4	12.5	13.5	12.4	12.5	13.5
	AUX. STEAM	150	150	150	150	150	150
	BACK PRESSURE	10	10	10	10	10	10
	GLAND STEAM	.5	.5	.5	.5	.5	.5
	H.P. BLEEDER						
	I.P. BLEEDER						
	L.P. BLEEDER	15"	16"	16"	15"	18"	15"
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	730	730	730	730	720	730
	L. P. EXHAUST	114	115	115	113	114	116
	CONDENSATE	112	112	113	111	109	113
	CIRC. WATER IN	86	86	85	86	85	88
	CIRC. WATER OUT	96	94	96	96	93	97
	L.O. TO COOLERS	128	128	128	128	128	127
	L.O. FROM COOLERS	110	110	110	110	109	109
	TEMPERATURE THRUST BEARING	117	116	117	116	116	116
	FORWARD H.P. ROTOR BEARING	129	125	127	125	125	127
	AFT. H.P. ROTOR BEARING	131	131	131	130	130	131
	FORWARD L.P. ROTOR BEARING	133	132	133	132	131	133
	AFT. L.P. ROTOR BEARING	134	131	133	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	151	150	150	150	150	151
	HOTTEST GEAR BEARING AFT	143	142	143	142	141	143
	AUX. COND. CONDENSATE	117	113	115	112	115	117
	1ST STAGE FEED WATER HEATER	162	164	164	163	163	165
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	SUPER HEAT P						
	SUPER HEAT S						
	F.O. TO BURNERS	200	200	200	200	200	200
	AIR TO FURNACE P	129	130	126	128	128	126
	AIR TO FURNACE S	131	130	125	127	128	125
	F.O. TEMP. IN SETTLING TANKS P	122	125	125	123	116	116
	F.O. TEMP. IN SETTLING TANKS S	111	110	109	109	114	116
	PORT BOILER UPTAKE	316	312	316	319	317	317
	STBD. BOILER UPTAKE	325	313	317	321	318	320
BOILER PARTICULARS – PRESSURES	F. O. BACK PRESSURE						
	MAIN STEAM	475	470	470	475	460	470
	F.O. TO BURNERS	155	150	145	145	135	145
MISCELLANEOUS	MAIN COND. SALINITY	.41	.2	.2	.41	.2	.2
	ENGINE ROOM TEMPERATURE	96	96	96	95	96	97
	FIRE ROOM TEMPERATURE	96	109	96	95	104	97
	NOZZLES IN USE	18	18	18	18	16	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	51/55	51/55	51/55	51/55	51/55	51/55
	BURNER TIP SIZE S	51/55	51/55	51/55	51/55	51/55	51/55
	CO_2 % PORT BOILER		13%				
	CO_2 % STBD. BOILER		13%				
	OIL LEVEL MAIN SUMP	1'11"	23"	1'11"	1'11"	23"	1'11"
	THRUST H.P.	.060	.060	.060	.060	.060	.060
	THRUST L.P.	.140	.140	.160	.140	.140	.160

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	3	1200	430	—	9.5	137	118	—	1500	1450	73	240
	4	1200	430	—	9.5	147	132	—	1500	1500	44	240
1600 TO 2000	3	1200	430		9.5	137	118		73	1300		240
	4	1200	430		9.5	147	131		44	1300		240
2000 TO 2400	3	1200	430		9.5	139	120		74	1300	1300	240
	4	1200	430		9.5	148	133		44	1300	1300	240
2400 TO 0400	3	1200	430	—	9.5	136	117	—	74	1300	1300	240
	4	1200	430	—	9.5	147	130	—	44	1350	1350	240
0400 TO 0800	3	1200	420		9.5	137	117		74	1450		240
	4	1200	420		9.5	147	132		44	1450		240
0800 TO 1200	3	1200	430		9.5	138	118		74	1450	1450	240
	4	1200	430		9.5	148	133		45	1450	1450	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1528 6030
	METER PREVIOUS NOON	1526 8160
	CONSUMED BY METER	17970
	ON HAND AT START OF DAY	7892
	RECEIVED DURING DAY	—
	EXPENDED DURING DAY	817
	REMAINING ON BOARD	7075
DOMESTIC WATER	ON HAND AT START OF DAY	739
	EVAPORATED OR RECEIVED	112
	ON HAND	667
	CONSUMED	184
BOILER WATER	ON HAND AT START OF DAY	215
	EVAPORATED OR RECEIVED	155
	ON HAND	330
	CONSUMED	40
LUBE OIL	ON HAND AT START OF DAY	1855
	RECEIVED	—
	ON HAND	
	CONSUMED	
DIESEL OIL	ON HAND	2067
	RECEIVED	—
	CONSUMED	

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

25 hrs / 72100

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	25/1500	PROPELLER SLIP (%)	9.1% [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.705
TOTAL REVOLUTIONS	139950	WIND DIRECTION	090°-5 kts
AVERAGE R.P.M.	93.30/95.13	STATE OF SEA	090°-1'
TOTAL MILES BY ENGINE	527	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	479		

REMARKS

1200-1600 WATCH

Underway 18 revs — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, D-3, D-4, F-3, F-4, FS-1, C-1, LC-2, L-2, MC-2, M-2, E-1, E-2, ME-G, W-4, S-2, A.CON., A.C.C.P., A.C.C.W., + BB-2. — Changed + cleaned bottom F.O. burners + disch. strainer — Pumped bilges to safe level — Set low L.O. press. trip to actuate at 7 lbs. press — Tested low L.O. trip, over-speed trip + low L.O. alarm on main unit — Made inspection of all mach. + spaces — Complied with all standing orders

WATCH ENGR'S SIGNATURE- D.L. Werner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed + cleaned F.O. burners + strainers. Pumped wells from #4 & D.B. Made routine test + inspections. @1928 W.T. doors closed from bridge.

WATCH ENGR'S SIGNATURE- J.M. Steel

2000-2400 WATCH

Underway on 18 maneuvering, tap + blew tubes on #3 boiler, changed F.O. strainer, set clock back 20 minutes @ 2300 made routine check of all mach. spaces, bilges safe level. Marine test tank .5 P.P.M. System .3 P.P.M.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Underway 18 revs — Mach. as before — Changed + cleaned F.O. disch. strainers, bottom burners + main unit L.O. strainer — Pumped bilges to safe level — Made inspection of all mach. + spaces — Complied with all standing + night orders — Retarded clocks 20 min @ 0100

WATCH ENGR'S SIGNATURE- D.L. Werner

0400-0800 WATCH

Equipment in operation as before, except, started necessary equip to split plant. Changed + cleaned F.O. burners + strainers. Pumped wells from #5 & D.B. @ 0430 Retarded clocks 20 min. Made routine test + inspections. @ 0700 By order of bridge reduced power to 16 revs.

WATCH ENGR'S SIGNATURE- J.M. Steel

0800-1200 WATCH

Underway on 16 maneuvering, blew tubes on #3 + #4 boilers, changed tips + burners + cleaned F.O. strainers. Secured one unit to 18 maneuvering @ 0930 By bridge. Marine test tank .4 P.P.M. System — .3 P.P.M. made routine check of all mach. + spaces, bilges safe level.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER 1st Asst.

#3	BLRS. #	4
9.34	P.ALK.	10.57
12.26	T.ALK.	13.43
3.3	CHL.	3.3
20	PHOS.	20
	P.H. Cond.	8
20	P.H. D.C. SO_3	20
CHEMICALS ADDED		
	ADJ. M-15	
8	G.O. gms	8
3	A.R.G.M. max	3
STEAMING HOURS		
670	F.S.	1460
670	W.S.	1460

CHIEF ENGR'S SIGNATURE- M.S. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Lt. John Pope	12-B	Oakland, Calif	Okpo Bay, Korea	R2-S2-R2	5/16-17/68

MACHINERY PARTICULARS

	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	120	
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	4603 8990	4606 0800	4608 3480	4610 1720	4610 7580	
TOTAL REVOLUTIONS (FOR WATCH)	22550	21810	22680	18240	5860	
AVERAGE RPM	94.0	90.9	94.5	76.0	48.8	
F.O. METER (END OF WATCH)	1528 8980	1529 1730	1539 4670	1529 8980	1529 7880	1539 8360
F.O. CONSUMED	2950	2750	2940	2310	900	480
PRESSURES — THROTTLE	430	430	430	410		
PRESSURES — H.P. AHEAD	430	430	430			
PRESSURES — L.P. AHEAD	23.5	23	22			
PRESSURES — VACUUM	28.2"	28.2	28.2	28.6"		28.8"
PRESSURES — L.O. TO TURBINES	12.4	12.5	12.5	12.4		12.5
PRESSURES — AUX. STEAM	150	150	150	150		150
PRESSURES — BACK PRESSURE	10	10	10	10		10
PRESSURES — GLAND STEAM	.5	.5	.5	1.5		1.5
PRESSURES — H.P. BLEEDER						
PRESSURES — I.P. BLEEDER						
PRESSURES — L.P. BLEEDER	15"	15"	15"			
TEMPERATURES — STEAM AT THROTTLE	742	730	750	640		
TEMPERATURES — L. P. EXHAUST	115	118	116	108		
TEMPERATURES — CONDENSATE	114	115	114	104		90
TEMPERATURES — CIRC. WATER IN	89	90	88	88		88
TEMPERATURES — CIRC. WATER OUT	98	98	98	91		86
TEMPERATURES — L.O. TO COOLERS	128	129	129	128		
TEMPERATURES — L.O. FROM COOLERS	110	110	110	110		
TEMPERATURES — TEMPERATURE THRUST BEARING	118	118	117			
TEMPERATURES — FORWARD H.P. ROTOR BEARING	127	126	125			
TEMPERATURES — AFT. H.P. ROTOR BEARING	131	131	130			
TEMPERATURES — FORWARD L.P. ROTOR BEARING	134	134	134			
TEMPERATURES — AFT. L.P. ROTOR BEARING	131	132	133			

normal

Varies

MACH. PARTICULARS (CONT'D)

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
TEMPERATURES (CONT'D) — HOTTEST GEAR BEARING FORWARD	151	151	150			
TEMPERATURES (CONT'D) — HOTTEST GEAR BEARING AFT	142	142	143			
TEMPERATURES (CONT'D) — AUX. COND. CONDENSATE	120	119	117	114		115
TEMPERATURES (CONT'D) — 1ST STAGE FEED WATER HEATER	162	166	165	110		106
TEMPERATURES (CONT'D) — D. C. FEED WATER HEATER	240	240	240	240		240
TEMPERATURES (CONT'D) — 3RD STAGE FEED WATER HEATER						

BOILER PARTICULARS

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
TEMPERATURES — SUPER HEAT	P						
TEMPERATURES — SUPER HEAT	S						
TEMPERATURES — F.O. TO BURNERS		200	200	200	200		200
TEMPERATURES — AIR TO FURNACE	P	131	132	128	126		127
TEMPERATURES — AIR TO FURNACE	S	134	130	127	124		
TEMPERATURES — F.O. TEMP. IN SETTLING TANKS	P	118	118	122	121		121
TEMPERATURES — F.O. TEMP. IN SETTLING TANKS	S	110	116	113	111		110
TEMPERATURES — PORT BOILER UPTAKE		321	312	326	240		283
TEMPERATURES — STBD. BOILER UPTAKE		328	314	331	239		
PRESSURES — F. O. BACK PRESSURE							
PRESSURES — MAIN STEAM		470	470	470	440		440
PRESSURES — F.O. TO BURNERS		145	140	145			160

normal

MISCELLANEOUS

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MAIN COND. SALINITY		.41	.2	.3	.41		.41
ENGINE ROOM TEMPERATURE		99	100	97	98		100
FIRE ROOM TEMPERATURE		99	108	97	98		100
NOZZLES IN USE		18	18	18	V		
NO. OF BURNERS IN USE	P	3	3	3	A		1
NO. OF BURNERS IN USE	S	3	3	3	R.		
BURNER TIP SIZE	P	51/55	51/55	51/55	51/55		51/55
BURNER TIP SIZE	S	51/55	51/55	51/55	51/55		
CO_2 % PORT BOILER			13%				
CO_2 % STBD. BOILER			13%				
OIL LEVEL MAIN SUMP		1'11"	23"	1'11"	1'11"		1'11"
THRUST	H.P.	.060	10/40	.060	.060		
THRUST	L.P.	.140		.160	.140		

Varies

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	3	1200	430	—	9.5	140	122	—	73	1350	1350	240
	4	1200	430	—	9.5	150	134	—	44	1400	1400	240
1600 TO 2000	3	1200	430		9.5	140	123		73	1300		240
	4	1200	430		9.5	150	134		43	1300		240
2000 TO 2400	3	1200	430		9.5	138	123		73	1300	1300	240
	4	1200	430		9.5	150	133		43	1300	1300	240
2400 TO 0400	3	1200	410	—	9.5	137	120	—	74	1200	1200	240
	4	1200	410	—	9.5	147	133	—	43	1100	1050	240
0400 TO 0800	3	1200	410		9.5	137	120		74	1400		240
	4	1200	410		9.5	147	133		43	1400		240
0800 TO 1200	3	1200	410		9.5	138	120		74	1300	1300	240
	4	1200	410		9.5	147	133		44	1300	1300	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1529836
FUEL OIL	METER PREVIOUS NOON	1528 6030
FUEL OIL	CONSUMED BY METER	12330
FUEL OIL	ON HAND AT START OF DAY	7075
FUEL OIL	RECEIVED DURING DAY	—
FUEL OIL	EXPENDED DURING DAY	567
FUEL OIL	REMAINING ON BOARD	6508
DOMESTIC WATER	ON HAND AT START OF DAY	667
DOMESTIC WATER	EVAPORATED OR RECEIVED	
DOMESTIC WATER	ON HAND	667
DOMESTIC WATER	CONSUMED	
BOILER WATER	ON HAND AT START OF DAY	350
BOILER WATER	EVAPORATED OR RECEIVED	
BOILER WATER	ON HAND	340
BOILER WATER	CONSUMED	
LUBE OIL	ON HAND AT START OF DAY	1855
LUBE OIL	RECEIVED	
LUBE OIL	ON HAND	
LUBE OIL	CONSUMED	
DIESEL OIL	ON HAND	2067
DIESEL OIL	RECEIVED	
DIESEL OIL	CONSUMED	

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)* 15/

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	18/1080	PROPELLER SLIP (%)	22.5% gross
DETENTION TIME		BBL FUEL/MI	1.992
TOTAL REVOLUTIONS	91140	WIND DIRECTION	
AVERAGE R.P.M.	84.39/84.94	STATE OF SEA	
TOTAL MILES BY ENGINE	341	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	264		

REMARKS

1200-1600 WATCH Underway 18 noggs — Mach. in operation: B-3, B-4, G-3, G-4, D-3, D-4, F-3, F-4, P-3, P-4, M-2, MC-3, ME-G, A-2, AC-2, AE-G, W-4, S-2, C-1, L-2, LC-2, E-1, E-2, FS-1, A.CON, A.C.C.P, A.C.C.W. & BB-2. — Changed & cleaned F.O. disch. strainers & bottom burners — Made inspection of all spaces & mach. — Complied with all standing orders — ~~Fire alarm in aft. eng. room was actuated @ 1218 & 1259 notified bridge~~ — Chief Elect. working on Low L.O. Alarm.

WATCH ENGR'S SIGNATURE- R. L. Werner

1600-2000 WATCH Equip in operation as before. Blew tubes on both blrs. Changed & cleaned F.O. burners & strainers. Pumped wells from #5 & D.B. @1836 W.T. doors closed from bridge. Made routine test & inspection. @1910 By order of bridge reduced power to 10 noggs. @1935 By order of bridge increased power to 16 noggs. @1945 By order of bridge increased power to 18 noggs.

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH Underway on 18 noggs, changed steam burner tips & cleaned F.O. discharged strainers, cleaned F.O. strainers #3 & #4 aux. gen. Obtained test, tank 3 P.P.M. Sample — 13 P.P.M. Made routine check of all mach. spaces, bilges safe level.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH Underway at reduced speeds — Mach. as before — Changed & cleaned F.O. disch. strainers, bottom burners & main unit L.O. strainer — Made inspection of all mach. & spaces — Complied with all standing & night orders — Down to 60 R.P.M. B/O of the bridge @ 0155 — Down to 40 R.P.M. B/O of the bridge @ 0232 — Secured #1 & #2 evap. @ 0255 — Chief Engr. in eng. room 0210-0215 & 0300-0305

WATCH ENGR'S SIGNATURE- R. L. Werner

0400-0800 WATCH Equip in operation as before, Changed & cleaned F.O. burners & strainers. Bells as per bell book. @0525 Time check. Sounding valve open. @0600 Arrival & sea detail called. @0739 F.W.E. Secured #1 & pulled steam & engaged & started jacking gear. @0750 Secured #3 boiler. Superheater vent open.

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH Manned Stbd. side to pier #6, cleaned all dirty burners. Repaired #6 soot blower & #5 toilet. Started taking fuel oil @ 0905, taking fresh water @ 0900 filling #5 & #5 P/S. Cleaned discharged F.O. strainer. Bilge safe level.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER 1st Vol.

#3	BLRS. #	4
9.93	P.ALK.	10.51
12.85	T.ALK.	13.43
3.3	CHL.	3.3
40	PHOS.	40
	P.H. Cond.	
40	~~P.H. D.C.~~ SO3	40
CHEMICALS ADDED		
	ADJ.	
	C.C.	
	A.R.C	
STEAMING HOURS		
694	F.S.	1484
694	W.S.	1484

CHIEF ENGR'S SIGNATURE- [illegible]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
[illegible]	12-C	Subic Bay, P.I.	Pusan, Korea	[illegible]	5/17-18/68

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						210
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)					4611 2980	4613 0470
TOTAL REVOLUTIONS (FOR WATCH)						17490
AVERAGE RPM						83.3
F.O. METER (END OF WATCH)	1529 8840	1529 9300	1529 9770	1530 0470	1530 1000	1530 3390
F.O. CONSUMED	480	460	470	700	530	2390
MACHINERY PARTICULARS – PRESSURES: THROTTLE						430
H.P. AHEAD						450
L.P. AHEAD						26.5
VACUUM	29"	29	29"	29	29	27.8
L.O. TO TURBINES	13	13	13	13	13	13
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	3.0	3	3	3	3	3
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE						73
L. P. EXHAUST					117	120
CONDENSATE	89	89	90	89	91	119
CIRC. WATER IN	89	89	89	88	88	89
CIRC. WATER OUT	89	89	89	88	88	89
L.O. TO COOLERS	110	110			100	126
L.O. FROM COOLERS	107	107			100	110
TEMPERATURE THRUST BEARING						118
FORWARD H.P. ROTOR BEARING						128
AFT. H.P. ROTOR BEARING						136
FORWARD L.P. ROTOR BEARING						133
AFT. L.P. ROTOR BEARING						133

		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							150
HOTTEST GEAR BEARING AFT							143
AUX. COND. CONDENSATE		115	120	113	112	126	130
1ST STAGE FEED WATER HEATER		105	105	105	105	108	120
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES: SUPER HEAT	P						
	S						
F.O. TO BURNERS		240	200	200	200	200	200
AIR TO FURNACE	P	118		118	116	110	126
	S	117				110	126
F.O. TEMP. IN SETTLING TANKS	P	121	122	116	115	110	113
	S	109	110	106	106	105	[illegible]
PORT BOILER UPTAKE		279		283	283	300	315
STBD. BOILER UPTAKE						350	318
BOILER PARTICULARS – PRESSURES: F. O. BACK PRESSURE							
MAIN STEAM		440	440	440	440	440	470
F.O. TO BURNERS		185	180	160	175	170	160
MISCELLANEOUS: MAIN COND. SALINITY		.41	.2	.2	.2	.2	.2
ENGINE ROOM TEMPERATURE		100	97	97	91	93	98
FIRE ROOM TEMPERATURE		100	107	97	91	98	98
NOZZLES IN USE							18
NO. OF BURNERS IN USE	P	1	1	1	1	1	3
	S					1	3
BURNER TIP SIZE	P	51/55	51/55	51/55	51/55	51/55	51/55
	S					51/55	51/55
CO_2 % PORT BOILER							
CO_2 % STBD. BOILER							
OIL LEVEL MAIN SUMP		1'10"	22"	1'10"	1'10"	21"	1'10"

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	3	1200	410	—	9.5	131	119	—	74	1100	1100	240
	4	1200	410	—	9.5	148	132	—	44	1150	1150	240
1600 TO 2000	3	1200	410		9.5	131	119		74	1100		240
	4	1200	410		9.5	148	132		44	1100		240
2000 TO 2400	3	1200	410		9.5	136	117		74	1200	1200	240
	4	1200	410		9.5	144	129		45	1200	1200	240
2400 TO 0400	3	1200	410		9.5	136	117		74	1100	1100	240
	4	1200	410		9.5	144	129		45	1100	1100	240
0400 TO 0800	3	1200	430		9.5	136	117		74	1200		240
	4	1200	430		9.5	146	130		44	1200		240
0800 TO 1200	3	1200	430		9.5	139	123		73	1350	1350	240
	4	1200	430		9.5	149	133		44	1350	1350	240

FUEL, WATER AND LUBE OIL

FUEL OIL	METER AT NOON	15303390	BOILER WATER: ON HAND AT START OF DAY	340
	METER PREVIOUS NOON	15298360	EVAPORATED OR RECEIVED	
	CONSUMED BY METER	5030	ON HAND	316
	ON HAND AT START OF DAY	6588 ~~7489~~	CONSUMED	24
	RECEIVED DURING DAY	11590	LUBE OIL: ON HAND AT START OF DAY	1855
	EXPENDED DURING DAY	248	RECEIVED ~~Corrected to sounding p.s.~~	
	REMAINING ON BOARD	19031	ON HAND	1978
DOMESTIC WATER	ON HAND AT START OF DAY	617	CONSUMED	
	EVAPORATED OR RECEIVED	552	DIESEL OIL: ON HAND	2067
	ON HAND	1084	RECEIVED	
	CONSUMED	85	~~On hand~~ CONSUMED	2046 – 21

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

3 / 1200

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	3½/210	PROPELLER SLIP (%)	3.1% [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.63
TOTAL REVOLUTIONS	16490	WIND DIRECTION	[illegible] air
AVERAGE R.P.M.	785	STATE OF SEA	Smooth
TOTAL MILES BY ENGINE	64	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	62		

REMARKS

1200-1600 WATCH

In port watch — Mach. as before — B-4, P-4, D-4, F-4, ME-G, AE-G, A-2, M-2, MC-3, AC-2, FS-1, C-1, L-2, LC-2, W-4 + BB-2. — Changed + cleaned F.O. dich. strainers + burner. — Pumped bilges to safe level — Complied with all standing orders — Made inspection of all mach. + spaces — Taking water on to #3 stbd + [illegible] — Opened, cleaned + turned diaphram over on 150# red. station (Working O.K.)

WATCH ENGR'S SIGNATURE- D.L. Wenner

1600-2000 WATCH

Equip in operation as before. Changed + cleaned F.O. burners + strainers. Cont'd fueling ship. Made routine test + inspection.

WATCH ENGR'S SIGNATURE- J. M. Stebl

2000-2400 WATCH

Port Watch, on mach. as before, changed burners + cleaned F.O. & changed strainers, finished taking fuel oil @ 2035 11,300 Barrels. Sec. fresh water filling @ 2015 tank full. added packing on #3 feed pump, with three changes. obtained test tank 6 P.P.M. System — 5 P.P.M. on mach. operating normal, bilges safe level.

Jr. Eng. Schaub, oiler Bella, F.W.T. Khan. WATCH ENGR'S SIGNATURE- [illegible] Khan

2400-0400 WATCH

Port Watch, on mach. as before, changed burners + cleaned F.O. & changed strainers, started #3 feed. chgd. steam + #5 F.O. service pump @ 0300 set off #5 boiler @ 0310 Tap off #3 F.O. tank @ 0300, secured fire of #5 boiler @ 0330, on mach. operating normal, bilges safe level.

Jr. Eng. Burdick, oiler Jan Compton F.W.T. Khan WATCH ENGR'S SIGNATURE- [illegible] Khan

0400-0800 WATCH

Equip in operation as before, @ 0445 lit off #3 blr. FOM - 9484640, @ 0530 cut #3 blr in on line. FOM = 9484680. Pumped bilges from #3 P+S DB, @ 0602 Tested Eng. Tele. + time check. Changed + cleaned F.O. burners + strainers, @ 0650 On pr. of bridge, stopped + disengaged jacking gear, open Mn + Aux steps + rolled Mn. Eng. with steam, @ 0737 Sea detail.

Jr. Eng. Mr. Burdick, Oiler - Roybal, F.W.T. Koppes. WATCH ENGR'S SIGNATURE- J. M. Stebl

0800-1200 WATCH

Mach. as before, Maneuver in yard ship to sea - S.B.E. 0747 Full as per bell book Prop. 08304 speed to 18 knots, F.O. P. 5816400 S-9484860, CTS. P. 46113880 CTS. S-47703640, Blew tube on #3 + #4 boiler @ 0900 to 0930, obtained test tank 6 P.P.M. System 5 P.P.M. changed to low suction main circ. pump @ 0900, Made routine check of all mach. space. bilges safe level.

WATCH ENGR'S SIGNATURE- [illegible] Khan

CHIEF ENGINEER W.W. Wal

Received 11530 bbls. Navy Special fuel oil from USD Suisun Bay Tank #43; Gravity 20.3; Flash point 196; Viscosity 175.4; B.S. & W. 0.10.

43	BLRS. #	4
9.93	P.ALK.	10.51
12.85	T.ALK.	13.43
3.3	CHL.	3.3
40	PHOS.	40
	P.H. Cond.	8
40	~~P.H. O.C.~~ SO3	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
706	F.S.	1508
706	W.S.	1508

CHIEF ENGR'S SIGNATURE- W. A. Thompson

A-35544

REMARKS

1200-1600 WATCH

Underway 18 nozz. — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, D-3, D-4, F-3, F-4, FS-1, C-1, MC-2, AC-2, M-2, A-2, ME-G, AE-G, E-1, S-1, LC-2, L-2, W-4, A.CON., A.CCP, A.CCW., + BB-2. — Changed + cleaned F.O. disch. strainer, + bottom burner — Pumped bilges to safe level — Made inspection of all mach. + spaces — Complied with all standing orders

WATCH ENGR'S SIGNATURE- R. L. Wenner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed + cleaned F.O. burners + strainers. Pumped well from #9 D.B. Made routine test + inspections.

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH

underway on 18 nozzle, changed tips, burners, cleaned F.O. discharge strainers, @ 2000 cut in salinometer to air ejector #2 F.W. evaporator. Cleaned F.O. strainers of #3 + #4 and R.O. Sea underway inspection check of all mach. spaces, bilges - safe level.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Underway 18 nozz. — Mach. as before — Changed + cleaned F.O. disch. strainers, bottom burners + main unit L.O. strainer — Pumped bilges — Made inspection of all mach. + spaces — Complied with all standing + night orders

WATCH ENGR'S SIGNATURE- R. L. Wenner

0400-0800 WATCH

Equip in operation as before. Changed + cleaned F.O. burners + strainers. Pumped well from #9 D.B. Made routine tests + inspections. @0700 By order of bridge reduced power to 16 nozzles.

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH

underway on 16 nozzle, Blew tubes on #3 + #4 boiler @ 0735 to 0815 changed tips, burners + cleaned, discharge strainers, taking test tank, T.P.M. System - 6 P.P.M. made routine check of all ~~[illegible]~~ mach. spaces, bilges safe level.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

13	BLRS. #	4
9.34	P.ALK.	10.51
12.85	T.ALK.	14.6
4.14	CHL.	3.73
45	PHOS.	40
	P.H. Cond.	7.5
40	~~P.H. D.C.~~ 583	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
730	F.S.	1532
730	W.S.	1532

1pt Val.

CHIEF ENGR'S SIGNATURE- [illegible]

A-38544

REMARKS

1200-1600 WATCH

Underway 16 nozz. — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, F-3, F-4, D-3, D-4, E-1, E-2, M-2, A-2, MC-3, AC-2, ME-G, AE-G, S-1, C-1, L-2, LC-2, W-4, FS-1, A.CON., A.C.C.P., A.C.C.W., + BB-2 — Changed + cleaned F.O. disch. strainer + bottom burner — Pumped Bilges — Made inspection of all mach + spaces — Complied with all standing orders — Engs are operating at reduced output (1,000 G.P.H. each) — Tested low L.O. trip, over speed trip + low L.O. alarm on main unit (low L.O. alarm goes off at 7# pres.)

WATCH ENGR'S SIGNATURE- R. L. Werner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed + cleaned F.O. burners + strainers. Pumped wells from #9 D.B., + #8 P+S D.B. Made routing test + inspection. Pumped bilges. @1900 W.T. doors closed from bridge.

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH

Underway on 16 nozzle, changed top. burner, cleaned F.O. discharge strainer, sounded test tank. 6 P.P.M. System. .5 P.P.M. made routine check of all mach. bilges + safe level

WATCH ENGR'S SIGNATURE- E. Kane

2400-0400 WATCH

Underway 16 nozz. — Mach. as before — Changed + cleaned F.O. disch. strainer, bottom burners + main unit L.O. strainer — Pumped bilges — Cleaned L.O. cent. — ~~Held Eng. Casualty Drill E-3 (high salinity in the boiler) burners secured, without the bridge 0100 to 0130 — Down to 10 nozz + open throttle @ 0230 B/O bridge~~

WATCH ENGR'S SIGNATURE- R. L. Werner

0400-0800 WATCH

Equip in operation as before. Changed + cleaned F.O. burners + strainers. Pumped wells from #8 P+S D.B. @0400 Opened gaunding valve. Speed changes + Bells, as per bell book.

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH

Mach. as before. Maneuvering ship to port, arrived @0800 C.P. 46363580 @75. S-47961260 F.O.M. P-58300560 S-95000050 Bell as per bell book, F.W.E. @ 0931 CTR. P-46367070 CTR. S-47964540 F.O.M. P-58300770 S-95000340 See. main stop @0935, jacking gear on 0937, cleaned all dirty fumes & discharge strainers. Transferring fuel oil from #4 P/S to #7 P. D.B. tank. Log in + out, daywork, check test tank. 6 P.P.M. system — .5 P.P.M. Made routine check of all mach. bilges + safe level.

WATCH ENGR'S SIGNATURE- E. Kane

CHIEF ENGINEER

#3	BLRS. #	4
9.93	P.ALK.	10.57
12.85	T.ALK.	13.43
4.1	CHL.	3.7
40	PHOS.	40
	P.H. Cond.	8
40	~~P.H. D.C.~~ SO3	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
754	F.S.	1556
754	W.S.	1556

1 pt Val.

CHIEF ENGR'S SIGNATURE- [illegible]

A-36544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John D. Ryan	12-C	Japan, Okinawa, Subic Bay	Vung Tau, V.	12-22-48	5/18-19/66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	4615 3040	4617 5180	4619 7340	4621 9600	4624 1580	4626 2810
TOTAL REVOLUTIONS (FOR WATCH)	22570	22440	22160	22260	21480	21330
AVERAGE RPM	94.0	92.3	92.3	92.8	91.6	88.4
F.O. METER (END OF WATCH)	1530 6300	1530 8940	1533 1660	1531 4470	1531 7070	1531 9510
F.O. CONSUMED	2910	2640	2730	2810	2600	2440
MACHINERY PARTICULARS — PRESSURES — THROTTLE	425	420	420	420	420	410
H.P. AHEAD	425	420	420	420	420	410
L.P. AHEAD	23.5	23	23.5	24	23	18
VACUUM	28.0"	28	28	28.0"	28	28.4"
L.O. TO TURBINES	12.4	12.5	12.5	12.4	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	.5	.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	17"	17"	17"	17"	19"	19"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	735	730	730	732	730	730
L. P. EXHAUST	118	118	118	115	116	115
CONDENSATE	117	117	117	114	113	113
CIRC. WATER IN	90	90	91	89	89	89
CIRC. WATER OUT	100	94	100	95	97	97
L.O. TO COOLERS	127	127	127	127	126	126
L.O. FROM COOLERS	110	110	110	116	110	109
TEMPERATURE THRUST BEARING	118	116	118	117	116	116
FORWARD H.P. ROTOR BEARING	128	124	127	127	125	125
AFT. H.P. ROTOR BEARING	135	131	130	130	130	129
FORWARD L.P. ROTOR BEARING	135	132	133	132	131	130
AFT. L.P. ROTOR BEARING	135	131	130	131	129	135

		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	150	150	150	150	149	148
	HOTTEST GEAR BEARING AFT	143	142	142	142	141	142
	AUX. COND. CONDENSATE	120	120	125	120	121	122
	1ST STAGE FEED WATER HEATER	161	161	160	161	162	159
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P							
SUPER HEAT S							
F.O. TO BURNERS		200	200	200	200	200	200
AIR TO FURNACE P		131	130	129	129	130	128
AIR TO FURNACE S		134	125	126	129	134	130
F.O. TEMP. IN SETTLING TANKS P		115	115	116	115	117	117
F.O. TEMP. IN SETTLING TANKS S		112	108	104	102	117	117
PORT BOILER UPTAKE		320	311	327	329	326	318
STBD. BOILER UPTAKE		320	306	325	328	324	310
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		465	465	465	465	460	460
F.O. TO BURNERS		135		145	135	125	125
MISCELLANEOUS — MAIN COND. SALINITY		.41	.2	.2	.41	.2	.2
ENGINE ROOM TEMPERATURE		100	99	99	98	97	97
FIRE ROOM TEMPERATURE		100	106	99	98	104	97
NOZZLES IN USE		18	18	18	18	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		51/55	51/55	51/55	51/55	51/55	51/55
BURNER TIP SIZE S		51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER			13%				
CO_2 % STBD. BOILER			13%				
OIL LEVEL MAIN SUMP		110"	22"	110"	110"	22"	110"
THRUST H.P.		.060	.060	.060	.060	.060	.060
THRUST L.P.		.140	.140	.140	.140	.140	.140

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	3	1200	425	—	9.5	139	122	—	73	1350	1300	240
	4	1200	425	—	9.5	149	133	—	43	1300	1300	240
1600 TO 2000	3	1200	420		9.5	139	122		73	1250		240
	4	1200	420		9.5	150	133		43	1250		240
2000 TO 2400	3	1200	420		9.5	140	122		73	1300	1300	240
	4	1200	420		9.5	150	134		43	1300	1300	240
2400 TO 0400	3	1200	420	—	9.5	138	119	—	73	1300	1300	240
	4	1200	420	—	9.5	148	134	—	43	1300	1300	240
0400 TO 0800	3	1200	420		9.5	138	118		73	1400		240
	4	1200	420		9.5	148	133		43	1400		240
0800 TO 1200	3	1200	420		9.5	139	120		73	1350	1350	240
	4	1200	420		9.5	149	134		44	1350	1350	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	15319510	BOILER WATER	ON HAND AT START OF DAY: 316
	METER PREVIOUS NOON	15303390		EVAPORATED OR RECEIVED: 14
	CONSUMED BY METER	16120		ON HAND: 294
	ON HAND AT START OF DAY	19031		CONSUMED: 36
	RECEIVED DURING DAY	—	LUBE OIL	ON HAND AT START OF DAY: 1918
	EXPENDED DURING DAY	779		RECEIVED: —
	REMAINING ON BOARD	18252		ON HAND: —
DOMESTIC WATER	ON HAND AT START OF DAY	1084		CONSUMED:
	EVAPORATED OR RECEIVED	172	DIESEL OIL	ON HAND: 2046
	ON HAND	1103		RECEIVED: —
	CONSUMED	153		CONSUMED: —

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

24/150200

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME	24/1440	PROPELLER SLIP (%)	12.17% [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.770
TOTAL REVOLUTIONS	132370	WIND DIRECTION	215°-15K
AVERAGE R.P.M.	91.9/93.2	STATE OF SEA	215°-2'
TOTAL MILES BY ENGINE	501	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	440		

REMARKS

1200-1600 WATCH

Underway 18 nozz. — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, D-3, D-4, F-3, F-4, FS-1, C-1, MC-2, AC-2, M-2, A-2, ME-G, AE-G, E-1, S-1, LC-2, L-2, W-4, A.CON., A.CCP, A.CCW., + BB-2. — Changed + cleaned F.O. disch. strainer, + bottom burner — Pumped bilges to safe level — Made inspection of all mach. + spaces — Complied with all standing orders

WATCH ENGR'S SIGNATURE- R. L. Wenner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed + cleaned F.O. burners + strainers. Pumped well from #9 D.B. Made routine test + inspections.

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH

underway on 18 nozzle, changed tips, burners, cleaned F.O. discharge strainers, @ 2000 cut in salinometer to air ejector #2 F.W. evaporator. Cleaned F.O. strainers of #3 + #4 and R.O. Sea underway inspection check of all mach. spaces, bilges - safe level.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Underway 18 nozz. — Mach. as before — Changed + cleaned F.O. disch. strainers, bottom burners + main unit L.O. strainer — Pumped bilges — Made inspection of all mach. + spaces — Complied with all standing + night orders

WATCH ENGR'S SIGNATURE- R. L. Wenner

0400-0800 WATCH

Equip in operation as before. Changed + cleaned F.O. burners + strainers. Pumped well from #9 D.B. Made routine tests + inspections. @0700 By order of bridge reduced power to 16 nozzles.

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH

underway on 16 nozzle, Blew tubes on #3 + #4 boiler @ 0735 to 0815 changed tips, burners + cleaned, discharge strainers, taking test tank, T.P.M. System - 6 P.P.M. made routine check of all ~~[illegible]~~ mach. spaces, bilges safe level.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

13	BLRS. #	4
9.34	P.ALK.	10.51
12.85	T.ALK.	14.6
4.14	CHL.	3.73
45	PHOS.	40
	P.H. Cond.	7.5
40	~~P.H. D.C.~~ 583	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
730	F.S.	1532
730	W.S.	1532

1pt Val.

CHIEF ENGR'S SIGNATURE- [illegible]

A-38544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope	12-6	Subic Bay, P.I.	Vung Tau, Vietnam	02-02-02	5/19-20/68

	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	20
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH) 4628 / 3770	~~1502~~ / ~~1040~~	4630 / 4880	4633 / 6050	4634 / 6390	4636 / 2180	4636 / 2880
TOTAL REVOLUTIONS (FOR WATCH) 0.2N	~~155~~ / 20960	21110	21110	20340	15790	1400
AVERAGE RPM	87.3	88.0	88.7	84.4	65.8	70
F.O. METER (END OF WATCH)	1532 / 2040	1532 / 4420	1533 / 6780	1532 / 8990	1533 / 0320	1533 / 1160
F.O. CONSUMED	2530	2380	2360	2210	2400	840
MACHINERY PARTICULARS — PRESSURES — THROTTLE	420	420	420	420		
H.P. AHEAD	420	420	420	420		
L.P. AHEAD	18	18	18	7		
VACUUM	28.4"	28.4	28.4	28.6"		28.4
L.O. TO TURBINES	12.5	12.5	12.5	12.5		12.5
AUX. STEAM	150	150	150	150		150
BACK PRESSURE	10	10	10	10		10
GLAND STEAM	.5	.5	.5	.5		.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	17"	16"	16"	19"		
TEMPERATURES — STEAM AT THROTTLE	735	725	730	710		
L. P. EXHAUST	114	115	110	105		
CONDENSATE	112	113	113	104		94
CIRC. WATER IN	89	89	89	88		90
CIRC. WATER OUT	97	97	96	96		88
L.O. TO COOLERS	127	125	125	124		
L.O. FROM COOLERS	110	110	110	110		
TEMPERATURE THRUST BEARING	117	116	116	115		
FORWARD H.P. ROTOR BEARING	128	125	123	121		
AFT. H.P. ROTOR BEARING	129	129	128	125		
FORWARD L.P. ROTOR BEARING	130	130	130	126		
AFT. L.P. ROTOR BEARING	125	126	125	125		

Normal & Underway

	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	148	147	147	141		
HOTTEST GEAR BEARING AFT	141	140	140	135		
AUX. COND. CONDENSATE	125	121	123	124	128	127
1ST STAGE FEED WATER HEATER	166	164	163	157	[illegible]	116
D. C. FEED WATER HEATER	246	240	240	246	24[illegible]	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P						
SUPER HEAT S						
F.O. TO BURNERS	200	200	200	200		200
AIR TO FURNACE P	127	127	126	126		118
AIR TO FURNACE S	133	125	124	128		130
F.O. TEMP. IN SETTLING TANKS P	118	119	120	119		120
F.O. TEMP. IN SETTLING TANKS S	111	113	110	109		106
PORT BOILER UPTAKE	317	308	311	305		291
STBD. BOILER UPTAKE	315	300	305	301		296
PRESSURES — F. O. BACK PRESSURE						
MAIN STEAM	460	460	460	456		440
F.O. TO BURNERS	125	115	115	135		80
MISCELLANEOUS — MAIN COND. SALINITY	.41	.2	.3	.41		.41
ENGINE ROOM TEMPERATURE	99	98	95	96		100
FIRE ROOM TEMPERATURE	99	106	95	96		100
NOZZLES IN USE	16	16	16	16		
NO. OF BURNERS IN USE P	3	3	3	2		1
NO. OF BURNERS IN USE S	3	3	3	2		1
BURNER TIP SIZE P	51/55	51/55	51/55	51/55		51/55
BURNER TIP SIZE S	51/55	51/55	51/55	51/55		51/55
CO_2 % PORT BOILER		13.5%				
CO_2 % STBD. BOILER		13.5%				
OIL LEVEL MAIN SUMP	1'10"	22"	1'10"	1'10"		1'10"
THRUST H.P.	.060	.060	.060	.060		
THRUST L.P.	.140	.140	.140	.140		

Normal

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	3	1200	420	—	9.5	134	118	—	74	1400	1400	240
	4	1200	420	—	9.5	148	134	—	43	1300	1350	240
1600 TO 2000	3	1200	420		9.5	136	116		74	1250		240
	4	1200	420		9.5	148	133		43	1250		240
2000 TO 2400	3	1200	420		9.5	136	116		74	1350	1350	240
	4	1200	420		9.5	147	132		44	1300	1350	240
2400 TO 0400	3	1200	420	—	9.5	135	116	—	74	1250	1200	240
	4	1200	420	—	9.5	146	130	—	44	1250	1250	240
0400 TO 0800	3	1200	420		9.5	135	114		74	1300		240
	4	1200	420		9.5	146	127		44	1300		240
0800 TO 1200	3	1200	420		9.5	135	115		73	1350	1350	240
	4	1200	430		9.5	147	139		45	1350	1350	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	153311/10	BOILER WATER — ON HAND AT START OF DAY	294
	METER PREVIOUS NOON	153195/10	BOILER WATER — EVAPORATED OR RECEIVED	50
	CONSUMED BY METER	11650	BOILER WATER — ON HAND	313
	ON HAND AT START OF DAY	18252	BOILER WATER — CONSUMED	31
	RECEIVED DURING DAY	—	LUBE OIL — ON HAND AT START OF DAY	1913
	EXPENDED DURING DAY	574	LUBE OIL — RECEIVED	—
	CONVERTED TO REMAINING BUNKER NO. 3	17678	LUBE OIL — ON HAND	—
DOMESTIC WATER	ON HAND AT START OF DAY	1103	LUBE OIL — CONSUMED	—
	EVAPORATED OR RECEIVED	151	DIESEL OIL — ON HAND	2076
	ON HAND	089	DIESEL OIL — RECEIVED	—
	CONSUMED	165	DIESEL OIL — CONSUMED	—

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

24/54100

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	20 1200	PROPELLER SLIP (%)	15.48 Tapered
DETENTION TIME	—	BBL FUEL/MI	1.700
TOTAL REVOLUTIONS	100770	WIND DIRECTION	
AVERAGE R.P.M.	83.41/85.18	STATE OF SEA	
TOTAL MILES BY ENGINE	382 True	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	322		

REMARKS

1200-1600 WATCH

Underway 16 nozz. — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, F-3, F-4, D-3, D-4, E-1, E-2, M-2, A-2, MC-3, AC-2, ME-G, AE-G, S-1, C-1, L-2, LC-2, W-4, FS-1, A.CON., A.C.C.P., A.C.C.W., + BB-2 — Changed + cleaned F.O. disch. strainer + bottom burner — Pumped Bilges — Made inspection of all mach + spaces — Complied with all standing orders — Engs are operating at reduced output (1,000 G.P.H. each) — Tested low L.O. trip, over speed trip + low L.O. alarm on main unit (low L.O. alarm goes off at 7# pres.)

WATCH ENGR'S SIGNATURE- R. L. Werner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed + cleaned F.O. burners + strainers. Pumped wells from #9 D.B., + #8 P+S D.B. Made routing test + inspection. Pumped bilges. @1900 W.T. doors closed from bridge.

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH

Underway on 16 nozzle, changed top. burner, cleaned F.O. discharge strainer, sounded test tank. 6 P.P.M. System. .5 P.P.M. made routine check of all mach. bilges + safe level

WATCH ENGR'S SIGNATURE- E. Kane

2400-0400 WATCH

Underway 16 nozz. — Mach. as before — Changed + cleaned F.O. disch. strainer, bottom burners + main unit L.O. strainer — Pumped bilges — Cleaned L.O. cent. — ~~Held Eng. Casualty Drill E-3 (high salinity in the boiler) burners secured, without the bridge 0100 to 0130 — Down to 10 nozz + open throttle @ 0230 B/O bridge~~

WATCH ENGR'S SIGNATURE- R. L. Werner

0400-0800 WATCH

Equip in operation as before. Changed + cleaned F.O. burners + strainers. Pumped wells from #8 P+S D.B. @0400 Opened gaunding valve. Speed changes + Bells, as per bell book.

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH

Mach. as before. Maneuvering ship to port, arrived @0800 C.P. 46363580 @75. S-47961260 F.O.M. P-58300560 S-95000050 Bell as per bell book, F.W.E. @ 0931 CTR. P-46367070 CTR. S-47964540 F.O.M. P-58300770 S-95000340 See. main stop @0935, jacking gear on 0937, cleaned all dirty fumes & discharge strainers. Transferring fuel oil from #4 P/S to #7 P. D.B. tank. Log in + out, daywork, check test tank. 6 P.P.M. system — .5 P.P.M. Made routine check of all mach. bilges + safe level.

WATCH ENGR'S SIGNATURE- E. Kane

CHIEF ENGINEER

#3	BLRS. #	4
9.93	P.ALK.	10.57
12.85	T.ALK.	13.43
4.1	CHL.	3.7
40	PHOS.	40
	P.H. Cond.	8
40	~~P.H. D.C.~~ SO3	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
754	F.S.	1556
754	W.S.	1556

1 pt Val.

CHIEF ENGR'S SIGNATURE- [illegible]

A-36544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope	12-D	Yang Tau, P.I.		[illegible]	5/20-21/68

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						10
DETENTION TIME				[illegible]	4636 9600	4637 0270
REVOLUTION COUNTER (END OF WATCH)						0
TOTAL REVOLUTIONS (FOR WATCH)						670
AVERAGE RPM						67.
F.O. METER (END OF WATCH)	1533 1460	1533 1720	1533 2000	1533 2400	1533 2790	1533 3310
F.O. CONSUMED	300	260	280	400	390	520
MACHINERY PARTICULARS — PRESSURES — THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM		28	29	29"	29"	29"
L.O. TO TURBINES	13.2	13.5	13.5	13.3	13.5	13.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM		3	3	3.2	3	3
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE						
L. P. EXHAUST		132	128	97	118	118
CONDENSATE		93	93	92	93	93
CIRC. WATER IN	90	91	91	90	90	91
CIRC. WATER OUT	90	91	90	90	90	90
L.O. TO COOLERS					112	118
L.O. FROM COOLERS					110	110
TEMPERATURE THRUST BEARING	[illegible]	[illegible]	[illegible]	[illegible]		
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		127	143	116	105	105	118
1ST STAGE FEED WATER HEATER			115	110	110	111	111
D. C. FEED WATER HEATER		238	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT	P						
	S						
F.O. TO BURNERS		200	200	200	200	200	200
AIR TO FURNACE	P	119	120	118	114	114	118
	S	123	120				116
F.O. TEMP. IN SETTLING TANKS	P	121	118	116	114	113	117
	S	106	105	105	103	102	111
PORT BOILER UPTAKE		364	385	380	374	390	380
STBD. BOILER UPTAKE		346	375	~~38~~			397
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		445	440	440	440	440	440
F.O. TO BURNERS		75	50	105	105	110	60
MISCELLANEOUS — MAIN COND. SALINITY		.41	.2	.8	.41	.2	.8
ENGINE ROOM TEMPERATURE		100	97	96	96	95	100
FIRE ROOM TEMPERATURE		100	104	96	96	100	100
NOZZLES IN USE							
NO. OF BURNERS IN USE	P	1	1	1	1	1	1
	S	1	1	7			1
BURNER TIP SIZE	P	51/55	51/55	51/55	51/55	51/55	51/55
	S	51/55	51/55	51/55			51/55
CO_2 % PORT BOILER							
CO_2 % STBD. BOILER							
OIL LEVEL MAIN SUMP		18"	22"	1'10"	1'10"	22"	1'10"

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	3	1200	445	—	9.5	135	115	—	74	1100	1100	240
	4	1200	445	—	9.5	146	132	—	45	1050	1050	240
1600 TO 2000	3	1200	440		9.5	135	115		74	1200		240
2000 TO 2400	3	1200	440		9.5	130	120		74	600	600	240
	4	1200	440		9.5	147	131		47	600	600	240
2400 TO 0400	3	1200	440	—	9.5	137	122	—	74	700	750	240
	4	1200	440	—	9.5	146	130	—	47	650	660	240
0400 TO 0800	3	1200	440		9.5	138	121		74	700		240
	4	1200	440		9.5	146	129		45	700		240
0800 TO 1200	3	1200	440		9.5	139	122		74	1150	1150	240
	4	1200	440		9.5	147	132		45	1150	1150	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	15333310
	METER PREVIOUS NOON	15331160
	CONSUMED BY METER	2150
	ON HAND AT START OF DAY	17678
	RECEIVED DURING DAY	—
	EXPENDED DURING DAY	161
	REMAINING ON BOARD	17517
DOMESTIC WATER	ON HAND AT START OF DAY	1084
	EVAPORATED OR RECEIVED	—
	ON HAND	931
	CONSUMED	158

BOILER WATER	ON HAND AT START OF DAY	3.3
	EVAPORATED OR RECEIVED	—
	ON HAND	2.96
	CONSUMED	17
LUBE OIL	ON HAND AT START OF DAY	1718
	RECEIVED	—
	ON HAND	—
	CONSUMED	—
DIESEL OIL	ON HAND	2046
	RECEIVED	—
	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	0:00:30	PROPELLER SLIP (%)	
DETENTION TIME	—	BBL FUEL/MI	
TOTAL REVOLUTIONS	670	WIND DIRECTION	
AVERAGE R.P.M.	32.8	STATE OF SEA	
TOTAL MILES BY ENGINE	3.67	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

In port watch — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, F-3, F-4, D-3, D-4, A-2, AF-6, AC-2, L-2, LC-2, W-4, A.CON., A.C.C.P., A.C.C.W., C-1, FS-1, & BB-2. — Pumped bilges to safe level — Took up on stern tube gland — Cleaned strainer & nozz. of air ejector of gland seal cond. — Packed gland seal steam supply valve on main unit — Secured #1 evap. @ 1200 — Secured main air ejector, aux. cond. pump & billed vacuum on main cond. — Opened circuit breaker on "B" board after loss of vacuum on #3 & #4 gen. due to sticking of 10" station & dump valves in an open position @ 1430 — "B" board back on the line @ 1445 WATCH ENGR'S SIGNATURE- David L. Weaver

1600-2000 WATCH

Equip. in operation as before. Day crew completed work on blind seal cond. air ejector, @ 1715 Started necessary equip. & raised vac. on main unit. Notified C/Eng. Main plant ready @ 1750. Pumped bilges from #8 P.D.B. @ 1900 Shifted Elect. load from #4 Gen. to Fwd plant. Secured #4 Gen. to clean Condenser. Notified Eng. 2nd A/E.

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH

Mach. as before, Sec. #3 boiler @ 1950, open & clean. C #4 aux. condenser & clean. secured @ 2130, cut in #4 aux. Gen. @ 2145, Sec. #3 aux. condenser, open & cleaned & secured, cut in #3 RH aux. Gen. @ 2240 by Chief Elec. changed & cleaned burner & discharge & strainer, & Main lube tank. 6 P.P.M. System 5 P.P.M. made routine check of all mach. spaces, bilges & safe level.

Eng. Exam. oil & Bilge, E.W.T. Chan. WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

In port watch — Mach. as before — #3 boiler secured — Changed & cleaned F.O. disch. strainer, burner & main unit L.O. strainer — Pumped bilges to a safe level — Made routine check of all mach & spaces — Complied with all standing & night orders — Lit off #3 boiler and brought up to 420 lbs press @ 0315

Fisher F.W.T. unable to finish watch due to sick leave & allowed to go ashore @ 0200. Bunch of Eng. stood by for him. WATCH ENGR'S SIGNATURE- D. L. Weaver

0400-0800 WATCH

Equip. in operation as before. Changed & cleaned F.O. burners & strainers. From 0500 to 0520 Instructed rated on Eng. casualty drill E-3. Notified bridge. Bilges at safe level. Kept stern bearing on #3 Blr. & maintained steaming level. Made routine test & inspection. Test run all Stbd. standby equip. OK.

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH

Mach. as before, Lit off #3 boiler @ 0800, Commenced fuel oil @ 0805 from #4 R. to #8 R. cut in #3 boiler @ 0840. Held Eng. casualty drill E-3 High salinity in H.P. boiler @ 0850 to 0900 Notified Bridge, Turbine check @ 0919, tested telegraph @ 0932, tested steering gear @ 0950 Stbd. Rd. emergency on open main stop @ 0955 rolled main unit @ 1000 Permission granted @ 0930 By Bridge. Finished quarter fuel oil @ 1005 #8 R. full. Set special sea detail @ 1035 Sec. sea detail @ 1130, Dull as per book, Commencing gaging to sea. Made routine check of all mach. spaces, bilges & safe level.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

#3	BLRS. #	4
8.18	P.ALK.	10.51
11.68	T.ALK.	14.02
3.3	CHL.	3.7
40	PHOS.	40
	P.H. Cond.	8
30	~~P.H.D.C.~~ SOS	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
766	F.S.	1580
766	W.S.	1580

STBY. @ 1039, @ TR. P. 46367540 - S - 47964800 - F.G.M. 58332540 - S - 95000780

DEP. 1130 - @ TR. P. 46369600 - S - 47966700 F.G.M. 58332430 S - 95000880 - TX.

Rotary Blower working; H.P. 90; L.P. 90.

CHIEF ENGR'S SIGNATURE- W. S. Chamberlain

A-38544

1st Vol.

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Lin John Pope	12-D	Vung Tau, Vietnam	Dam Quang Day, Vietnam	DD-DE-882	5/21-22/68

	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	150	
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	4638 3460	4640 0610	4641 3460	4642 4360	4643 2590	
TOTAL REVOLUTIONS (FOR WATCH)	15190	15150	12850	10900	8230	
AVERAGE RPM	63.3	63.1	53.1	45.4	47.8	
F.O. METER (END OF WATCH)	1533 3310	1533 6350	1533 7940	1533 8740	1533 9720	1534 0670
F.O. CONSUMED	1480	1560	1490	400	980	350
MACHINERY PARTICULARS — PRESSURES — THROTTLE	410	410	410	410		
H.P. AHEAD	320	285	100	140		
L.P. AHEAD	2	0	11"	9"		
VACUUM	28.8"	28.8	28.8	29.0"		29"
L.O. TO TURBINES	13	13	13	13.2		13.2
AUX. STEAM	150	150	150	150		150
BACK PRESSURE	10	10	10	10		10
GLAND STEAM	.7	.5	.5	1.0		1.0
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	19"	20"				
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	690	680	645	630		
L. P. EXHAUST	105	111	115	98		126
CONDENSATE	103	101	97	94		88
CIRC. WATER IN	90	89	88	88		86
CIRC. WATER OUT	96	93	92	91		86
L.O. TO COOLERS	120	120	115	117		107
L.O. FROM COOLERS	109	110	110	110		104
TEMPERATURE THRUST BEARING	115	114	112	112		
FORWARD H.P. ROTOR BEARING	119	119	115	116		
AFT. H.P. ROTOR BEARING	123	125	120	119		
FORWARD L.P. ROTOR BEARING	124	125	120	120		
AFT. L.P. ROTOR BEARING	123	123	118	120		

Various & normal

		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		134	130	128	125		
HOTTEST GEAR BEARING AFT		132	133	127	126		
AUX. COND. CONDENSATE		117	115	118	114	115	115
1ST STAGE FEED WATER HEATER		153	150	112	109	105	105
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT	P						
	S						
F.O. TO BURNERS		200	200	200	200		200
AIR TO FURNACE	P	127	124	118	116		116
	S	126	122	118	118		117
F.O. TEMP. IN SETTLING TANKS	P	117	118	118	117		118
	S	113	112	110	108		116
PORT BOILER UPTAKE		300	302	295	286		280
STBD. BOILER UPTAKE		290	296	288	281		265
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		440	440	440	440		440
F.O. TO BURNERS		105	150	155	155		70
MISCELLANEOUS — MAIN COND. SALINITY		.41	.2	.2	.41		.41
ENGINE ROOM TEMPERATURE		99	98	98	96		98
FIRE ROOM TEMPERATURE		99	106	98	96		98
NOZZLES IN USE		10	10	10	10		
NO. OF BURNERS IN USE	P	2	2	1	1		1
	S	2	2	1	1		1
BURNER TIP SIZE	P	51/55	51/55	51/55	51/55		51/55
	S	51/55	51/55	51/55	51/55		51/55
CO_2 % PORT BOILER			13%				
CO_2 % STBD. BOILER			13%				
OIL LEVEL MAIN SUMP		110"	22"	110"	110"		110"
THRUST	H.P.	.060	.060	.050	.050		
	L.P.	.140	.140	.140	.135		

Various & normal

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	3	1200	410	—	9.5	140	122	—	73	1250	1250	240
	4	1200	410	—	9.5	149	133	—	43	1250	1250	240
1600 TO 2000	3	1200	410		9.5	140	122		73	1250		240
	4	1200	410		9.5	149	134		43	1250		240
2000 TO 2400	3	1200	410		9.5	140	122		73	1200	1200	240
	4	1200	411		9.5	149	134		43	1200	1200	240
2400 TO 0400	3	1200	410	—	9.5	140	121	—	73	1200	1150	240
	4	1200	410	—	9.5	148	132	—	43	1200	1200	240
0400 TO 0800	3	1200	410		9.5	140	122		73	1250		240
	4	1200	410		9.5	148	132		43	1250		240
0800 TO 1200	3	1200	440		9.5	138	118		73	1200	1200	240
	4	1200	440		9.5	146	129		43	1200	1200	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1534 2070	BOILER WATER — ON HAND AT START OF DAY	296
	METER PREVIOUS NOON	1533 3310	EVAPORATED OR RECEIVED	29
	CONSUMED BY METER	6760	ON HAND	294
	ON HAND AT START OF DAY	17517	CONSUMED	31
	RECEIVED DURING DAY	—	LUBE OIL — ON HAND AT START OF DAY	1916
	EXPENDED DURING DAY	313	RECEIVED	—
	REMAINING ON BOARD	17204	ON HAND	—
DOMESTIC WATER	ON HAND AT START OF DAY	931	CONSUMED	—
	EVAPORATED OR RECEIVED	166	DIESEL OIL — ON HAND	2045
	ON HAND	1002	RECEIVED	—
	CONSUMED	95	CONSUMED	—

Lowered to

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

24/52300

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	19/[illegible]	PROPELLER SLIP (±)	15.56 [illegible]
DETENTION TIME		BBL FUEL/MI	1.426
TOTAL REVOLUTIONS	62990	WIND DIRECTION	
AVERAGE R.P.M.	55.25/52.82	STATE OF SEA	
TOTAL MILES BY ENGINE	225	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	190		

REMARKS

1200-1600 WATCH

Underway 10 nozz. + 60 R.P.M. B/O of the bridge — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, F-3, F-4, D-3, D-4, C-1, FS-1, S-1, L-2, LC-2, E-1, E-2, M-2, A-2, MC-3, AC-2, MF-6, AF-6, W-4, A. CON., ACCR., ACCW., + BB-2. — Changed + cleaned F.O. disch. strainer + both burners — Pumped bilges & safe level — Made inspection of all mach. + spaces — Complied with all standing orders — Replaced air valve on magnetic unloader of #2 S.A. air comp. + put on the line @ 1315 (Still needs adjustment) — Secured #2 S.A. air comp. @ 1500 — Boat drill + ST BY @ 1516 — ✓ @ 1517 — ST BY @ 1529 ~~Secured from boat drill + HT @ 1533~~

WATCH ENGR'S SIGNATURE- David L. Wenner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed & cleaned F.O. burners & strainers. Notified by Dog 2nd A/E, equalizing valve to #4 P&S Dep tank open. Pumped oil to from #3 P&S D.B. Pumped bilges. Made routine test & inspections. @ 1940 W.T. doors closed from bridge.

WATCH ENGR'S SIGNATURE- J.M. Stark

2000-2400 WATCH

Mach. as before, reduce speed to 50 R.P.M. @ 2300 P/C bridge, changed bottom burner & cleaned F.O. discharge strainer, chlorine test tank 6 P.P.M. system 5 P.P.M. & incr. speed to 40 R.P.M. @ 2300 P/C bridge, made routine check of all mach. space, bilge safe level.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Mach. as before — Underway at 40 R.P.M. B/O bridge — Changed + cleaned F.O. disch. strainer, burners + main unit L.O. strainer — Bilges + safe level — Made inspection of all mach. + spaces — Complied with all standing + night orders —

WATCH ENGR'S SIGNATURE- D.L. Wenner

0400-0800 WATCH

Equip in operation as before. @ 0438 Time check. Changed & cleaned F.O. burners & strainers. @ 0620 Set sea detail. Arr. @ 0630. Bells & speed change as per full book. @ 0734 F.W.E. Secured Mn & Aux stops & engaged & started jacking gear.

WATCH ENGR'S SIGNATURE- J.M. Stark

0800-1200 WATCH

Mach. as before, sec. #3 S.P. evap. @ 0800, changed burners & cleaned F.O. discharge strainer, chlorine test 6 PPM tank, 5 PPM system. Made inspection of mach., made routine check of all mach. space, bilges safe level.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER @ 1630 Notified by Dog 2nd A/E, equalizing valve for #4 P&S Dep tank open.

#	BLRS. #	
	P.ALK.	
	T.ALK.	
	CHL.	
	PHOS.	
	P.H. Cond.	8
	P.H.-D.C.	

CHEMICALS ADDED

	ADJ.	
	G.C.	
	A.R.C	

STEAMING HOURS

790	F.S.	1604
790	W.S.	1604

1st Vol.

CHIEF ENGR'S SIGNATURE- W.L. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Geo. Fisher Pope	12-DE	Cam Ranh Bay, Vietnam	Da Nang, Vietnam	Ro-Ro-82	5/22-23/68

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME			220	240	240	240	30
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)			4645 6230	4647 7900	4649 9730	4652 0560	4653 2370
TOTAL REVOLUTIONS (FOR WATCH)			19450	21670	21830	21130	1410
AVERAGE RPM			81.1	90.3	91.0	88.0	70.5
F.O. METER (END OF WATCH)		1534 0470	1534 3160	1534 5690	1534 8300	1535 0680	1535 1440
F.O. CONSUMED		900	2190	2530	2610	2380	760
MACHINERY PARTICULARS – PRESSURES	THROTTLE	410	415	415	410		
	H.P. AHEAD		415	415	410		
	L.P. AHEAD		20	20	19		
	VACUUM	28.9	28.3	27.6	27.8"		28.9
	L.O. TO TURBINES	12.8	12.5	12.5	12.5		12.5
	AUX. STEAM	150	150	150	150		150
	BACK PRESSURE	10	10	10	10		10
	GLAND STEAM	1.5	.5	.5	.5		.5
	H.P. BLEEDER						
	I.P. BLEEDER						
	L.P. BLEEDER		14"	10"	15"		
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE		720	730	730		
	L. P. EXHAUST	99	116	117	105		136
	CONDENSATE	90	113	106	103		81
	CIRC. WATER IN	86	86	81	79		79
	CIRC. WATER OUT	86	96	90	88		77
	L.O. TO COOLERS	112	125	126	126		116
	L.O. FROM COOLERS	110	109	110	110		110
	TEMPERATURE THRUST BEARING		115	116	116		
	FORWARD H.P. ROTOR BEARING		121	123	123		
	AFT. H.P. ROTOR BEARING		130	130	130		
	FORWARD L.P. ROTOR BEARING		130	131	131		
	AFT. L.P. ROTOR BEARING		130	130	130		

Normal

		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		144	144	147		
	HOTTEST GEAR BEARING AFT		140	141	141		
	AUX. COND. CONDENSATE	113	109	105	105		105
	1ST STAGE FEED WATER HEATER	165	170	165	163		99
	D. C. FEED WATER HEATER	246	240	240	240		240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	SUPER HEAT P						
	SUPER HEAT S						
	F.D. TO BURNERS	200	200	200	200		200
	AIR TO FURNACE P	117	125	127	126		120
	AIR TO FURNACE S	120	125	123	122		121
	F.O. TEMP. IN SETTLING TANKS P	118	124	124	122		120
	F.O. TEMP. IN SETTLING TANKS S	112	112	110	107		105
	PORT BOILER UPTAKE	375	308	316	318		298
	STBD. BOILER UPTAKE	301	300	315	318		288
BOILER PARTICULARS – PRESSURES	F. O. BACK PRESSURE						
	MAIN STEAM	430	460	460	455		440
	F.O. TO BURNERS		125	125	125		75
MISCELLANEOUS	MAIN COND. SALINITY	.41	.2	.2	.41		.2
	ENGINE ROOM TEMPERATURE	99	98	94	91		98
	FIRE ROOM TEMPERATURE	99	106	94	91		98
	NOZZLES IN USE		16	16	16		
	NO. OF BURNERS IN USE P		3	3	3		1
	NO. OF BURNERS IN USE S		3	3	3		1
	BURNER TIP SIZE P	51/55	51/55	51/55	51/55		51/55
	BURNER TIP SIZE S	51/55	51/55	51/55	51/55		51/55
	CO_2 % PORT BOILER		13.5%				
	CO_2 % STBD. BOILER		13.5%				
	OIL LEVEL MAIN SUMP	1'10"	22"	1'10"	1'10"		1'10"
	THRUST H.P. / L.P.		.060 / .140	.060 / .150	.060 / .140		

Normal & varied

Normal

Normal

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	3	1200	410	—	9.5	132	118	—	73	1200	1200	240
	4	1200	410	—	9.5	146	131	—	45	1200	1150	240
1600 TO 2000	3	1200	415		9.5	134	121		73	1250		240
	4	1200	415		9.5	148	133		43	1250		240
2000 TO 2400	3	1200	415		9.5	135	115		73	1150	1150	240
	4	1200	415		9.5	145	125		45	1150	1150	240
2400 TO 0400	3	1200	410	—	9.5	134	113	—	74	1200	1200	240
	4	1200	410	—	9.5	145	123	—	45	1250	1250	240
0400 TO 0800	3	1200	410		9.5	134	114		74	1250		240
	4	1200	410		9.5	145	125		44	1250		240
0800 TO 1200	3	1200	430		9.5	134	112		74	1250	1250	240
	4	1200	430		9.5	144	123		45	1250	1250	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1535 7440	BOILER WATER	ON HAND AT START OF DAY	297
	METER PREVIOUS NOON	1534 0070		EVAPORATED OR RECEIVED	54
	CONSUMED BY METER	11373		ON HAND	311
	ON HAND AT START OF DAY	17204		CONSUMED	37
	RECEIVED DURING DAY	—	LUBE OIL	ON HAND AT START OF DAY	1715
	EXPENDED DURING DAY	516		RECEIVED	—
	REMAINING ON BOARD	14688		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1002		CONSUMED	
	EVAPORATED OR RECEIVED	140	DIESEL OIL	ON HAND	2046
	ON HAND	1012		RECEIVED	—
	CONSUMED	130		CONSUMED	—

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

24 / 51800

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	16/960	PROPELLER SLIP (%)	2.79% gas
DETENTION TIME		BBL FUEL/MI	1.392
TOTAL REVOLUTIONS	85490	WIND DIRECTION	
AVERAGE R.P.M.	89.06	STATE OF SEA	
TOTAL MILES BY ENGINE	323	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	314		

REMARKS

1200-1600 WATCH

Port watch — Mach. in operation: B-3, B-4, G-3, G-4, D-3, D-4, P-3, P-4, F-3, F-4, C-1, E-1, FS-1, A-2, M-2, LC-2, AE-6, ME-6, MC-3, AC-2, S.F.W.-2, L-3, W-4, A.CON, ACCW, ACCB + BB-2. — Bilges at safe level — Tested for L.O. shutdown (8#) + for L.O. trip (7#) @ 1300 — Tested telegraph @ 1337 — Whistle & barometer @ 1344 — Time check @ 1348 — Tested storm gear @ 1400 — Secured picking gear + started rolling engine on stn. @ 1405 — St by @ 1514

WATCH ENGR'S SIGNATURE- R. L. Werner

1600-2000 WATCH

Equip in operation as before. @ 1600 Dept. By order of bridge increased power to 16 Knots. Blew tubes on both boilers. Changed + cleaned F.O. burners + strainers. Pumped bilges from #3 P+S D.B. Made routine test + inspection.

WATCH ENGR'S SIGNATURE- J. M. Stark

2000-2400 WATCH

Mach. as before, changed tips, burners + cleaned F.O. discharge strainers, chlorine test .6 P.P.M. tank .5 P.P.M. system. Started #3 & P. evap. @ 2000 cut in stm. to air ejector of same. Made routine check of all machinery space, pumped out bilge

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Underway 16 knots — Mach. as before — Changed + cleaned F.O. ~~discharge~~ strainers, bottom burners + main unit L.O. strainer — Pumped bilges — Made inspection of all mach. + space — Complied with all standing + night orders.

WATCH ENGR'S SIGNATURE- R. L. Werner

0400-0800 WATCH

Equip in operation as before. Changed + cleaned F.O. burners + strainers. Pumped bilges from #3 P+S D.B. @ 0700 By order of bridge reduced power to 10 knots @ 0710 time check. Sounding valve opened. Made routine test + inspections.

WATCH ENGR'S SIGNATURE- J. M. Stark

0800-1200 WATCH

Mach. as before, maneuvering ship to Port, S.B.E. 0755 Ess. 0800 CTR. P-46522270 S-48115470 F.O.M. P-5841140 S-9509780 Bell as per bell book. Ess. E. 0937 CTR. P-46524780 - S-48117650 F.O.M. P-5841300 - S-9509950. Secured main steam, @ 0930 gasket of steam on @ 0933, chlorine test .6 P.P.M. tank .5 P.P.M. system cleaned all chiefs burners + discharge strainers, see #1 + #4 L.P. evap. @ 1100 By first asst. tings. part of L.O. to after plant @ 1130, mach. operating normal, bilges safe level.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

ST BY @ 1514

# 3	BLRS. #	4
8.76	P.ALK.	9.93
12.85	T.ALK.	13.43
4.14	CHL.	4.56
40	PHOS.	40
	P.H. Cond.	7.5
35	P.H. C.A. 303	35
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
814	F.S.	1628
814	W.S.	1628

1 pt Vol.

P. F.O.M. 5836190

S. F.O.M. 9504450

P. CNTR 46434770

S. CNTR. 48026010

DEPARTURE @ 1600

P. F.O.M. 5836370

S. F.O.M. 9504600

P. CNTR. 46436780

S. CNTR. 48028030

CHIEF ENGR'S SIGNATURE- [illegible]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Sin. John Pope	12-A	Da Nang, Vietnam	San Francisco, Calif	P2 S2 DH2	5/23-24/68

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						40
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)					4653 5910	4653 9390
TOTAL REVOLUTIONS (FOR WATCH)						3480
AVERAGE RPM						87.
F.O. METER (END OF WATCH)	1535 1840	1535 2280	1535 2690	1535 3090	1535 3700	1535 4640
F.O. CONSUMED	400	440	410	400	610	940
MACHINERY PARTICULARS — PRESSURES: THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM	28.6"	28.6	28.9	28.6"	28.6	27.8
L.O. TO TURBINES	12.2	13.5	13.5	13.2	13.5	13.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	.8	.8	.8	.8	.8	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS — TEMPERATURES: STEAM AT THROTTLE						
L. P. EXHAUST	88	120	117	89	112	17
CONDENSATE	84	82	80	81	80	81
CIRC. WATER IN	78	78	78	78	77	78
CIRC. WATER OUT	78	78	78	78	77	78
L.O. TO COOLERS	112	106	111	112	110	111
L.O. FROM COOLERS	108	104	109	116	109	109
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	102	102	107	103	100.	100
1ST STAGE FEED WATER HEATER	98	96	97	97	97	110
D. C. FEED WATER HEATER	240	240	240	240	240	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES: SUPER HEAT P						
SUPER HEAT S						
F.O. TO BURNERS	200	200	200	200	200	200
AIR TO FURNACE P	118	115	110	110	110	127
AIR TO FURNACE S	121	115	117	111	110	126
F.O. TEMP. IN SETTLING TANKS P	120	115	117	117	117	118
F.O. TEMP. IN SETTLING TANKS S	104	102	111	108	105	115
PORT BOILER UPTAKE	385	376	388	398	393	388
STBD. BOILER UPTAKE	290	290	302	314	300	310
BOILER PARTICULARS — PRESSURES: F. O. BACK PRESSURE						
MAIN STEAM	440	440	440	440	440	460
F.O. TO BURNERS	75	65	55	60	60	160
MISCELLANEOUS: MAIN COND. SALINITY	.41	.2	.2	.41	.2	.2
ENGINE ROOM TEMPERATURE	99	92	98	91	92	99
FIRE ROOM TEMPERATURE	99	100	97	91	106	99
NOZZLES IN USE						
NO. OF BURNERS IN USE P	1	1	1	1	1	3
NO. OF BURNERS IN USE S	1	1	1	1	1	3
BURNER TIP SIZE P	51/55	51/55	51/55	51/55	51/55	51/55
BURNER TIP SIZE S	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		13%				
CO_2 % STBD. BOILER		13%				
OIL LEVEL MAIN SUMP	1'10"	22"	1'10"	1'10"	22"	1'10"
THRUST H.P.						.020
THRUST L.P.						.160

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	3	1200	410	—	9.5	134	112	—	74	1150	1100	240
	4	1200	410	—	9.5	143	123	—	46	1150	1100	240
1600 TO 2000	3	1200	440		9.5	132	111		74	1150		240
	4	1200	440		9.5	143	122		45	1150		240
2000 TO 2400	3	1200	440		9.5	133	112		74	1150	1150	240
	4	1200	440		9.5	143	123		46	1150	1150	240
2400 TO 0400	3	1200	410	—	9.5	132	112	—	74	1150	1150	240
	4	1200	410	—	9.5	142	122	—	46	1150	1150	240
0400 TO 0800	3	1200	440		9.5	132	112		74	1150		240
	4	1200	440		9.5	142	122		45	1150		240
0800 TO 1200	3	1200	440		9.5	134	117		74	1200	1200	240
	4	1200	440		9.5	143	123		48	1200	1200	240

FUEL - WATER AND LUBE OIL

FUEL OIL: METER AT NOON	1535 2440	
FUEL OIL: METER PREVIOUS NOON	1535 1440	
FUEL OIL: CONSUMED BY METER	3200	
FUEL OIL: ON HAND AT START OF DAY	16688	
FUEL OIL: RECEIVED DURING DAY	—	
FUEL OIL: EXPENDED DURING DAY	~~165~~ 154	
FUEL OIL: REMAINING ON BOARD	16534	
DOMESTIC WATER: ON HAND AT START OF DAY	1012	
DOMESTIC WATER: EVAPORATED OR RECEIVED	—	
DOMESTIC WATER: ON HAND	888	
DOMESTIC WATER: CONSUMED	124	
BOILER WATER: ON HAND AT START OF DAY	311	
BOILER WATER: EVAPORATED OR RECEIVED	—	
BOILER WATER: ON HAND	300	
BOILER WATER: CONSUMED	11	
LUBE OIL: ON HAND AT START OF DAY	1918	
LUBE OIL: RECEIVED	—	
LUBE OIL: ON HAND		
LUBE OIL: CONSUMED		
DIESEL OIL: ON HAND	2076	
DIESEL OIL: RECEIVED		
DIESEL OIL: 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	01:00:00	PROPELLER SLIP (%)	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS	3480	WIND DIRECTION	
AVERAGE R.P.M.	57.0/58.42	STATE OF SEA	
TOTAL MILES BY ENGINE	23	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

Routine port watch — Mach. in operation: B-3, B-4, G-3, G-4, D-3, D-4, P-3, P-4, F-3, F-4, L-2, LC-2, C-1, FS-1, M-2, A-2, MC-3, AC-2, AE-G, ME-G, W-4, A. COND., A.C.C.P., A.C.C.W. + BB-2. — Made check of all mach. + spaces — Pumped bilges to safe level — Changed cleaned F.O. disch. strainers — Complied with all standing orders

WATCH ENGR'S SIGNATURE- R. L. Wenner

1600-2000 WATCH

Equipment operation as before. Changed + cleaned F.O. burners + strainers. Pumped water from bilges. From 1730 to 1830 fire + flushing system secured for repair. @ 1830 Put #3 fire pump on line. Made routine test + inspection

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH

Mach. as before, changed burners + F.O. discharge strainer, obtained test, 6 P.P.M. tank, 5 P.P.M. system, made routine check of all mach. pumped out bilges

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Routine port watch — Mach. as before — Changed + cleaned F.O. disch. strainers + main unit L.O. strainer — Pumped bilges — Made inspection of all mach. + spaces — Complied with all standing + night orders. — Held c/g. Casualty drill E-4" (Ruptured Fire Main) from main engine + notified bridge — 0200-0230

WATCH ENGR'S SIGNATURE- R. L. Wenner

0400-0800 WATCH

Equipment operation as before. Changed + cleaned F.O. burners + strainers. Pumped salt from #3 P+S D.B. Pumped water from bilges. From 0500 to 0520 instructed watch on Eng. casualty drill E-4, Notified bridge. Made routine test + inspection.

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH

Mach. as before, changed burners + cleaned F.O. strainers, Permission granted to roll main unit @ 0800 by bridge, time check @ 0803, Tested telegraph @ 0820, tested steering gear 0835, gasing out @ 0852 Open main bulkhead stops + main stops @ 0857, start + warm up main unit, set sea detail @ 1032, changed F.W. suction to #3 P/S @ 1135, open up to 18 noggle @ 1110 P/S bilges, made routine check of all mach. space, pumped out bilges, Main circ. pump opt on outboard @ 1115

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

13	BLRS. #	4
8.76	P.ALK.	9.93
12.85	T.ALK.	13.43
4.14	CHL.	4.56
40	PHOS.	40
	P.H. Cond.	7.5
35	P.H.D.C. 303	35

CHEMICALS ADDED

	ADJ.	
	G.C.	
	A.R.C	

STEAMING HOURS

838	F.S.	1652
838	W.S.	1652

1st Val.

S.B.E. 1033

F.O.M. P-5842850

S-9511290

CTRS.

P-46578080

S-48118090

DEP 1100

F.O.M. P-5842930

S-9511360

CTRS. P-46578910

S-48118680

CHIEF ENGR'S SIGNATURE- W. H. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Lone Star Sigal	12-15	Da Nang, Vietnam	Yokohama, Japan	22 Knots	5/24-25/68

	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)	4655 1940	4657 4640	4659 7430	4662 0180	4664 3010	4666 5740
TOTAL REVOLUTIONS (FOR WATCH)	22550	22700	22790	22750	22830	22730
AVERAGE RPM	94.0	94.6	94.9	94.8	95.1	94.7
F.O. METER (END OF WATCH)	1535 7540	1536 0360	1536 3210	1536 6110	1536 9000	1537 1820
F.O. CONSUMED	2900	2820	2850	2900	2840	2820
MACHINERY PARTICULARS – PRESSURES – THROTTLE	420	430	430	435	430	430
H.P. AHEAD	420	430	430	435	430	430
L.P. AHEAD	27	27	27	27.5	28	28
VACUUM	27.1"	27"	26.8"	26.8"	26.8	26.7"
L.O. TO TURBINES	12.4	12.5	12.5	12.4	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	16	10	10	10	10	10
GLAND STEAM	.5	.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	14"	14"	14"	16"	15"	15"
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	720	720	720	725	720	730
L. P. EXHAUST	116	115	118	117	118	118
CONDENSATE	115	116	117	116	118	118
CIRC. WATER IN	86	86	88	86	88	88
CIRC. WATER OUT	96	95	97	96	97	98
L.O. TO COOLERS	127	127	127	127	127	127
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	117	117	117	117	117	117
FORWARD H.P. ROTOR BEARING	122	123	123	123	124	124
AFT. H.P. ROTOR BEARING	131	131	130	131	130	131
FORWARD L.P. ROTOR BEARING	131	134	133	134	134	133
AFT. L.P. ROTOR BEARING	130	134	130	131	134	130

	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	150	151	152	151	151	152
HOTTEST GEAR BEARING AFT	142	142	143	143	142	143
AUX. COND. CONDENSATE	112	111	114	115	115	115
1ST STAGE FEED WATER HEATER	165	166	165	164	165	164
D. C. FEED WATER HEATER	246	240	240	240	240	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT P						
SUPER HEAT S						
F.O. TO BURNERS	200	200	200	200	200	200
AIR TO FURNACE P	128	128	128	128	130	129
AIR TO FURNACE S	129	128	127	128	130	129
F.O. TEMP. IN SETTLING TANKS P	120	120	121	122	130	128
F.O. TEMP. IN SETTLING TANKS S	114	114	111	110	110	109
PORT BOILER UPTAKE	344	317	324	326	326	318
STBD. BOILER UPTAKE	340	314	328	330	334	318
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE						
MAIN STEAM	465	475	470	475	475	475
F.O. TO BURNERS	150	155	160	155	155	155
MISCELLANEOUS – MAIN COND. SALINITY	.41	.2	.2	.41	.2	.2
ENGINE ROOM TEMPERATURE	96	96	96	97	98	98
FIRE ROOM TEMPERATURE	96	106	96	97	108	98
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	51/55	51/55	51/55	51/55	51/55	51/55
BURNER TIP SIZE S	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		13.5%				
CO_2 % STBD. BOILER		13.5%				
OIL LEVEL MAIN SUMP	1'10"	22"	1'10"	1'10"	22"	1'10"
THRUST H.P.	.060	.060	.060	.060	.060	.060
THRUST L.P.	.140	.140	.160	.140	.140	.160

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	3	1200	420	—	9.5	138	120	—	74	1250	1250	240
	4	1200	420	—	9.5	146	131	—	44	1200	1200	240
1600 TO 2000	3	1200	430		9.5	140	122		74	1200		240
	4	1200	430		9.5	148	133		43	1200		240
2000 TO 2400	3	1200	430		9.5	141	123		74	1250	1250	240
	4	1200	430		9.5	148	132		43	1250	1250	240
2400 TO 0400	3	1200	435	—	9.5	139	122	—	73	1200	1150	240
	4	1200	435	—	9.5	147	132	—	43	1200	1200	240
0400 TO 0800	3	1200	430		9.5	140	123		74	1250		240
	4	1200	430		9.5	149	133		43	1250		240
0800 TO 1200	3	1200	430		9.5	141	124		74	1250	1250	240
	4	1200	430		9.5	150	133		43	1250	1250	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1537 1820
FUEL OIL	METER PREVIOUS NOON	1535 4640
FUEL OIL	CONSUMED BY METER	1718 0
FUEL OIL	ON HAND AT START OF DAY	16534
FUEL OIL	RECEIVED DURING DAY	—
FUEL OIL	EXPENDED DURING DAY	803
FUEL OIL	REMAINING ON BOARD	15731
DOMESTIC WATER	ON HAND AT START OF DAY	888
DOMESTIC WATER	EVAPORATED OR RECEIVED	—
DOMESTIC WATER	ON HAND	799
DOMESTIC WATER	CONSUMED	89
BOILER WATER	ON HAND AT START OF DAY	300
BOILER WATER	EVAPORATED OR RECEIVED	—
BOILER WATER	ON HAND	255
BOILER WATER	CONSUMED	45
LUBE OIL	ON HAND AT START OF DAY	1918
LUBE OIL	RECEIVED	—
LUBE OIL	ON HAND	—
LUBE OIL	CONSUMED	—
DIESEL OIL	ON HAND	2046
DIESEL OIL	RECEIVED	—
DIESEL OIL	CONSUMED	—

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

—

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME	24/440	PROPELLER SLIP (%)	8.79% Astern
DETENTION TIME	—	BBL FUEL/MI	1.568
TOTAL REVOLUTIONS	136350	WIND DIRECTION	225°-18K
AVERAGE R.P.M.	94.7/95.2	STATE OF SEA	225°-3'
TOTAL MILES BY ENGINE	512	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	467		

REMARKS

1200-1600 WATCH

Underway 18 mgy. — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, D-3, D-4, F-3, F-4, C-1, FS-2, L-3, LC-2, M-2, A-2, MC-3, AC-2, MF-G, AE-G, S-1, A. COND., A.C.G.P., A.C.G.W., W-4, & BB-2. — Changed & cleaned F.O. disch. strainers & bottom burners. — Pumped bilges — Made inspection of all mach. & spaces — Complied with all standing orders — Secured #3 fire pump, fired tube in fire main @ 1325-1445 & started #2 fire pump — Tested low L.O. trip, over-speed trip & low L.O. alarm

WATCH ENGR'S SIGNATURE- D. L. Weaver

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed & cleaned F.O. burners & strainers. Pumped bilges. Pumped water from #7 P&S D.B. Made routine test & inspection. @ 1914 W.T. doors closed from bridge.

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH

underway on 18 n. mgy, changed tips, burners & cleaned F.O. discharged strainers, Field Engr. Casualty drill E-4 captured fire main from 2000 to 2030 Notified bridge, made routine check of all mach. sp. acc, pumped out bilge.

WATCH ENGR'S SIGNATURE- R. Ford

2400-0400 WATCH

Underway 18 mgy. — Mach. as before — Changed & cleaned F.O. disch. strainers, bottom burners & main unit L.O. strainers — Pumped bilges — Made inspection of all mach. & spaces — Complied with all standing & night orders

WATCH ENGR'S SIGNATURE- D. L. Weaver

0400-0800 WATCH

Equip in operation as before. Changed & cleaned F.O. burners & strainers. Pumped water from #7 P&S D.B. Pumped bilges. Made routine test & inspection.

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH

underway on 18 n. mgy, blew tube on #3 & #4 boilers @ 0755 to 0815 changed tips, burners & cleaned F.O. discharged strainers, made routine check of all mach. spaces, pumped out bilge

WATCH ENGR'S SIGNATURE- R. Ford

CHIEF ENGINEER

#3	BLRS. #	4
8.76	P.ALK.	10.51
12.26	T.ALK.	13.43
4.97	CHL.	4.97
35	PHOS.	35
	P.H. Cond.	8
35	P.H. D.C. 303	35
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
862	F.S.	1676
862	W.S.	1676

1pt Val.

CHIEF ENGR'S SIGNATURE- W. A. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Rogers	12-F	Da Nang, Vietnam	San Francisco, Calif	12-12-62	5/25-26/68

	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)	4668 8530	4671 1430	4673 4220	4675 7060	4677 9900	4680 2790
TOTAL REVOLUTIONS (FOR WATCH)	22790	22900	22790	22840	22840	22890
AVERAGE RPM	95.0	95.5	94.9	95.2	95.2	95.3
F.O. METER (END OF WATCH)	1537 4770	1537 7530	1538 0320	1538 3150	1538 5960	1538 8740
F.O. CONSUMED	2950	2760	2790	2810	2830	2780
MACHINERY PARTICULARS — PRESSURES — THROTTLE	430	430	430	425	430	430
H.P. AHEAD	430	430	430	425	430	430
L.P. AHEAD	28	28	28	27.8	28	28
VACUUM	26.7"	26.7"	26.7"	26.9"	27"	26.9"
L.O. TO TURBINES	12.4	12.5	12.5	12.4	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM		.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	16"	16"	16"	16"	16"	16"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	732	725	725	725	725	730
L. P. EXHAUST	117	118	118	116	116	117
CONDENSATE	116	118	118	115	116	115
CIRC. WATER IN	87	88	88	86	85	85
CIRC. WATER OUT	98	98	98	97	95	95
L.O. TO COOLERS	127	127	127	127	126	126
L.O. FROM COOLERS	110	110	110	109	109	109
TEMPERATURE THRUST BEARING	118	117	117	117	115	116
FORWARD H.P. ROTOR BEARING	123	124	123	123	121	122
AFT. H.P. ROTOR BEARING	130	130	130	130	130	130
FORWARD L.P. ROTOR BEARING	133	133	132	131	132	132
AFT. L.P. ROTOR BEARING	130	132	130	130	130	130

		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		152	151	151	150	151	152
HOTTEST GEAR BEARING AFT		143	142	142	142	142	143
AUX. COND. CONDENSATE		112	113	114	112	110	112
1ST STAGE FEED WATER HEATER		162	164	165	161	161	161
D. C. FEED WATER HEATER		240	240	240	240	238	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT	P						
	S						
F.O. TO BURNERS		200	200	200	200	200	200
AIR TO FURNACE	P	129	130	128	128	128	126
	S	134	132	130	127	128	123
F.O. TEMP. IN SETTLING TANKS	P	124	114	115	114	113	113
	S	113	105	114	112	106	106
PORT BOILER UPTAKE		324	320	335	347	333	322
STBD. BOILER UPTAKE		324	315	325	329	329	315
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		475	475	475	475	475	475
F.O. TO BURNERS		155	150	150	150	155	150
MISCELLANEOUS — MAIN COND. SALINITY		.41	.2	.2	.41	.2	.2
ENGINE ROOM TEMPERATURE		98	98	98	95	95	95
FIRE ROOM TEMPERATURE		98	108	98	95	104	95
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	51/55	51/55	51/55	51/55	51/55	51/55
	S	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER			13.5%				
CO_2 % STBD. BOILER			13.5%				
OIL LEVEL MAIN SUMP		110"	22"	110"	110"	22"	110"
THRUST	H.P.	.060	.060	.060	.060	.060	.060
	L.P.	.140	.140	.160	.140	.140	.160

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESS. RE	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	3	1200	430	—	9.5	140	122	—	74	1250	1200	240
	4	1200	430	—	9.5	148	133	—	43	1250	1250	240
1600 TO 2000	3	1200	430		9.5	140	122		74	1200		240
	4	1200	430		9.5	149	133		43	1200		240
2000 TO 2400	3	1200	430		9.5	141	124		74	1200	1200	240
	4	1200	430		9.5	150	133		43	1200	1200	240
2400 TO 0400	3	1200	425	—	9.5	140	122	—	74	1200	1200	240
	4	1200	425	—	9.5	148	133	—	43	1250	1250	240
0400 TO 0800	3	1200	430		9.5	139	121		74	1300		240
	4	1200	430		9.5	148	132		43	1300		240
0800 TO 1200	3	1200	430		9.5	140	122		74	1250	1250	240
	4	1200	430		9.5	149	133		43	1250	1250	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1538840	BOILER WATER — ON HAND AT START OF DAY	255
	METER PREVIOUS NOON	1537820	BOILER WATER — EVAPORATED OR RECEIVED	—
	CONSUMED BY METER	16920	BOILER WATER — ON HAND	223
	ON HAND AT START OF DAY	15781	BOILER WATER — CONSUMED	32
	RECEIVED DURING DAY	—	LUBE OIL — ON HAND AT START OF DAY	1918
	EXPENDED DURING DAY	794	LUBE OIL — RECEIVED	—
	REMAINING ON BOARD	14937	LUBE OIL — ON HAND	—
DOMESTIC WATER	ON HAND AT START OF DAY	799	LUBE OIL — CONSUMED	—
	EVAPORATED OR RECEIVED	—	DIESEL OIL — ON HAND	2046
	ON HAND	723	DIESEL OIL — RECEIVED	—
	CONSUMED	76	DIESEL OIL — CONSUMED	—

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

—

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME	24[illegible]	PROPELLER SLIP (%)	8.91 [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.689
TOTAL REVOLUTIONS	137050	WIND DIRECTION	225°-20Kt
AVERAGE R.P.M.	95.1/96.1	STATE OF SEA	225°-3'
TOTAL MILES BY ENGINE	516	STATE OF WEATHER	Cloudy
TOTAL MILES BY OBSERVATION	470		

REMARKS

1200-1600 WATCH

Underway 18 mpg. — Mach. in operation: B-3, B-4, G-3, G-4, D-3, D-4, P-3, P-4, F-3, F-4, M-2, A-2, MC-3, AC-2, ME-G, AE-G, C-1, L-2, LC-2, FS-2, S-1, A.COND., A.C.C.P., A.C.C.W., W-4, & BB-2. — Changed + cleaned F.O. disch. strainer + bottom burners — Pumped bilges — Made inspection of all mach. + spaces — Complied with all standing orders — Tested throttle, L.O. trip, over-speed trip + L.O. alarm.

WATCH ENGR'S SIGNATURE- D. L. Vernon

1600-2000 WATCH

Equip. in operation as before. Blew tubes on both boilers. Changed + cleaned F.O. burners + strainers. Pumped oil from #7 P&S D.B. @1843 W.T. doors closed from bridge. Made routine tests + inspections.

WATCH ENGR'S SIGNATURE- J. M. Stott

2000-2400 WATCH

Underway on 18 mpg, changed tips, burners & cleaned F.O. discharge strainer, cleaned L.O. strainers of #3 & #4 aux. & main. Tested S.P.P.M. Tank, 3 P.P.M. System. F.W. suction to port @ 2245 - #3, made routine check of all mach. space, pumped out bilges

WATCH ENGR'S SIGNATURE- J. Lane

2400-0400 WATCH

Underway 18 mpg. - Mach. as before — Changed + cleaned F.O. disch. strainer, bottom burners + main unit L.O. strainer — Pumped bilges — Complied with all standing + night orders

WATCH ENGR'S SIGNATURE- D. L. Vernon

0400-0800 WATCH

Equip. in operation as before. Changed + cleaned F.O. burners + strainers. Pumped oil from #7 P&S D.B., #4 P. + #5 S. D.B. Pumped bilges. Made routine tests + inspections.

WATCH ENGR'S SIGNATURE- J. M. Stott

0800-1200 WATCH

Underway on 18 mpg, changed tips, burners & cleaned F.O. discharge strainer, blew tubes on #3 & #4 boilers @ 0735 to 0815. Transfer fuel oil from #4 P. deep tank to #7 P. @ 0810 to 0945, full by day engineer. Tested tank #3 P. 4 P.P.M. System — 3 P.P.M. Made routine check of all mach. space, pumped out bilge

WATCH ENGR'S SIGNATURE- J. Lane

CHIEF ENGINEER

#3	BLRS.	4
8.26	P.ALK.	10.51
12.26	T.ALK.	13.43
4.97	CHL.	4.97
30	PHOS.	30
	P.H. Cond.	8
30	~~R.H. D.C.~~ 903	30
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
886	F.S.	1700
886	W.S.	1700

1 pt Vol.

CHIEF ENGR'S SIGNATURE- W. S. Thompson

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope	12-A	Da Nang, Vietnam	San Francisco, Calif	12-12-42	5/26-27/68

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	4682 5680	4684 8710	4686 9830	4689 0630	4691 1560	4693 4210
TOTAL REVOLUTIONS (FOR WATCH)	22890	23030	21120	20800	20930	22650
AVERAGE RPM	95.4	96.0	96.0	94.5	95.1	94.3
F.O. METER (END OF WATCH)	1539 1650	1539 4410	1539 6980	1539 9560	1540 2000	1540 4880
F.O. CONSUMED	2910	2760	2570	2580	2440	2880
MACHINERY PARTICULARS — PRESSURES — THROTTLE	425	430	430	420	418	415
H.P. AHEAD	425	430	430	415	415	415
L.P. AHEAD	27.5	28	28	26.5	26.5	26.5
VACUUM	27.0"	27.2	27.1	27.1"	27.5	27.8
L.O. TO TURBINES	12.4	12.5	12.5	12.4	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	.5	.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	16"	16"	16"	16"	15"	15"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	730	725	730	732	725	720
L. P. EXHAUST	115	115	114	114	111	108
CONDENSATE	114	113	114	112	109	104
CIRC. WATER IN	84	83	83	83	80	76
CIRC. WATER OUT	94	93	93	92	90	86
L.O. TO COOLERS	127	128	127	127	127	127
L.O. FROM COOLERS	116	110	110	110	110	110
TEMPERATURE THRUST BEARING	117	117	116	116	116	115
FORWARD H.P. ROTOR BEARING	122	123	121	122	120	118
AFT. H.P. ROTOR BEARING	130	131	130	130	130	128
FORWARD L.P. ROTOR BEARING	132	133	132	132	131	130
AFT. L.P. ROTOR BEARING	131	131	130	130	130	129

	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	151	151	152	151	150	150
HOTTEST GEAR BEARING AFT	142	142	142	142	141	140
AUX. COND. CONDENSATE	109	108	107	108	105	99
1ST STAGE FEED WATER HEATER	161	160	160	161	164	160
D. C. FEED WATER HEATER	240	239	240	240	239	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P						
SUPER HEAT S						
F.O. TO BURNERS	200	200	200	200	200	200
AIR TO FURNACE P	125	126	125	124	120	117
AIR TO FURNACE S	127	126	123	122	120	117
F.O. TEMP. IN SETTLING TANKS P	112	111	111	109	110	111
F.O. TEMP. IN SETTLING TANKS S	107	108	111	109	105	108
PORT BOILER UPTAKE	324	321	325	325	318	325
STBD. BOILER UPTAKE	324	323	335	332	325	328
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE						
MAIN STEAM	475	475	475	465	465	465
F.O. TO BURNERS	150	145	145	145	145	150
MISCELLANEOUS — MAIN COND. SALINITY	.41	.2	.2	.41	.2	.2
ENGINE ROOM TEMPERATURE	94	94	91	91	89	86
FIRE ROOM TEMPERATURE	94	104	91	91	100	86
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	51/55	51/55	51/55	51/55	51/55	51/55
BURNER TIP SIZE S	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		13.5%				
CO_2 % STBD. BOILER		13.5%				
OIL LEVEL MAIN SUMP	110"	22"	110"	110"	22"	110"
THRUST H.P.	.060	.060	.060	.060	.060	.060
THRUST L.P.	.140	.140	.160	.140	.140	.160

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	3	1200	425	—	9.5	138	118	—	74	1250	1250	240
	4	1200	425	—	9.5	146	132	—	44	1150	1150	240
1600 TO 2000	3	1200	430		9.5	136	118		74	1200		240
	4	1200	430		9.5	146	129		44	1200		240
2000 TO 2400	3	1200	430		9.5	136	117		74	1150	1150	240
	4	1200	430		9.5	145	128		44	1150	1150	240
2400 TO 0400	3	1200	415	—	9.5	136	117	—	74	1200	1150	240
	4	1200	415	—	9.5	144	127	—	45	1200	1200	240
0400 TO 0800	3	1200	415		9.5	135	114		74	1200		240
	4	1200	415		9.5	144	123		44	1200		240
0800 TO 1200	3	1200	415		9.5	137	111		74	1100	1100	240
	4	1200	418		9.5	141	121		46	1100	1100	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1540880
FUEL OIL	METER PREVIOUS NOON	1538870
FUEL OIL	CONSUMED BY METER	16140
FUEL OIL	ON HAND AT START OF DAY	16237
FUEL OIL	RECEIVED DURING DAY	—
FUEL OIL	EXPENDED DURING DAY	752
FUEL OIL	REMAINING ON BOARD	14185
DOMESTIC WATER	ON HAND AT START OF DAY	723
DOMESTIC WATER	EVAPORATED OR RECEIVED	20
DOMESTIC WATER	ON HAND	676
DOMESTIC WATER	CONSUMED	67
BOILER WATER	ON HAND AT START OF DAY	223
BOILER WATER	EVAPORATED OR RECEIVED	—
BOILER WATER	ON HAND	191
BOILER WATER	CONSUMED	32
LUBE OIL	ON HAND AT START OF DAY	1318
LUBE OIL	RECEIVED	—
LUBE OIL	ON HAND	—
LUBE OIL	CONSUMED	—
DIESEL OIL	ON HAND	2000
DIESEL OIL	RECEIVED	—
DIESEL OIL	CONSUMED	—

LOW PRESS. EVAPORATORS *(No. of hrs. operated)(Fresh water made gals.)*: 3/5400

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	23:00/1380	PROPELLER SLIP (%)	9.1% Prop
DETENTION TIME	—	BBL FUEL/MI	1.674
TOTAL REVOLUTIONS	121420	WIND DIRECTION	245° - 15K
AVERAGE R.P.M.	95.23/95.93	STATE OF SEA	245° - 3'
TOTAL MILES BY ENGINE	434	STATE OF WEATHER	Rain
TOTAL MILES BY OBSERVATION	442		

REMARKS

1200-1600 WATCH

Underway 18 mgg. — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, D-3, D-4, F-3, F-4, M-2, A-3, MC-3, AC-2, FS-2, ME-G, AE-G, S-1, C-1, L-3, LC-2, A. COND., A.C.C.P., A.C.C.W., W-4, BB-2 — Changed & cleaned F.O. disch. strainers & burners — Pumped bilges — Made inspection of all mach. & spaces — Complied with all standing orders & Tested throttle, low L.O. trips, overspeed trip & low L.O. alarm — Put new rubber diaphragm in #2 S.S. air comp. unloader

WATCH ENGR'S SIGNATURE. R. L. Wagner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed & cleaned F.O. burners & strainers. Pumped water from #4 port & #5 stbd D.B. @1821 W.T. doors closed from bridge. Pumped bilges. Made routine test & inspections

WATCH ENGR'S SIGNATURE. J.M. Steele

2000-2400 WATCH

underway on 18 in ogle, changed top burner & cleaned F.O. discharge strainer, advance clock 20 minutes @2300 made routine check of all mach. spaces, pumped out bilge. obtained test tank & P.P.M. System .5 P.P.M.

WATCH ENGR'S SIGNATURE. J. Lane

2400-0400 WATCH

Underway 18 mgg. — Mach. as before — Changed & cleaned F.O. disch strainers, burners & main unit L.O. strainer — Pumped bilges — Made inspection of all mach. & spaces — Complied with all standing and night orders.

WATCH ENGR'S SIGNATURE. R. L. Wagner

0400-0800 WATCH

Equip in operation as before. Changed & cleaned F.O. burners & strainers. Pumped water from #6 & D.B. Pumped bilges. @0500 Advanced clocks 20 min. @0630 Blown gasket on H.P. F.O. strainer caused F.O. spill. Used sand & grease sweep material & absorb F.O. & stop flow of spill on deck. Replaced gasket on strainer & cleaned up spill. Conditions normal.

WATCH ENGR'S SIGNATURE. J.M. Steele

0800-1200 WATCH

underway on 18 mgg, Blew tube on #5 & #4 boiler, changed top burner & cleaned F.O. discharge strainer, Test run #2 Stbd fresh water pump, Started #2 L.P. comp. @0810, made routine check of all mach. spaces, pumped out bilge, obtained test tank & P.P.M. System .2 P.P.M.

WATCH ENGR'S SIGNATURE. J. Lane

CHIEF ENGINEER

#3	BLRS. #	4
9.34	P.ALK.	10.51
12.85	T.ALK.	13.43
4.97	CHL.	4.97
30	PHOS.	30
	P.H. Cond.	8
25	P.H.-D.C.	30
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
910	F.S.	1724
910	W.S.	1724

1 pt Vol.

CHIEF ENGR'S SIGNATURE. [illegible]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Sea Fox Voyage	12-F	Da Nang, Vietnam	Long Beach, Calif.	[illegible]	5/27-28/68

	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)	4695 6920	4697 9480	4700 1990	4702 4670	4704 7180	4706 9710
TOTAL REVOLUTIONS (FOR WATCH)	22710	22560	22510	22580	22610	22530
AVERAGE RPM	94.6	94.0	93.7	94.1	94.2	93.8
F.O. METER (END OF WATCH)	1540 7810	1541 0690	1641 3410	1541 6200	1541 9030	1542 1780
F.O. CONSUMED	2930	2880	2720	2790	2830	2750
MACHINERY PARTICULARS — PRESSURES — THROTTLE	415	415	415	415	415	415
H.P. AHEAD	415	415	415	415	415	415
L.P. AHEAD	26.5	23	23	23	23	23
VACUUM	27.7"	27.9	27.9	27.9"	27.9"	27.9"
L.O. TO TURBINES	12.4	12.5	12.5	12.4	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	.5	.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	15"	15"	15"	15"	14"	14"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	725	720	720	723	720	725
L. P. EXHAUST	106	105	105	103	106	105
CONDENSATE	105	101	103	101	102	101
CIRC. WATER IN	76	75	77	75	75	75
CIRC. WATER OUT	86	84	85	84	85	84
L.O. TO COOLERS	127	126	127	126	127	125
L.O. FROM COOLERS	110	109	110	109	110	110
TEMPERATURE THRUST BEARING	116	115	115	115	115	115
FORWARD H.P. ROTOR BEARING	119	120	120	119	121	119
AFT. H.P. ROTOR BEARING	128	129	130	129	130	129
FORWARD L.P. ROTOR BEARING	130	130	131	130	131	130
AFT. L.P. ROTOR BEARING	129	129	130	129	129	130

		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	150	149	150	150	149	149
	HOTTEST GEAR BEARING AFT	141	141	142	140	140	140
	AUX. COND. CONDENSATE	99	95	96	97	96	96
	1ST STAGE FEED WATER HEATER	162	165	165	165	165	163
	D. C. FEED WATER HEATER	240	240	240	240	238	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P							
SUPER HEAT S							
F.O. TO BURNERS		200	200	200	200	200	200
AIR TO FURNACE P		118	115	118	121	118	116
AIR TO FURNACE S		123	118	116	123	120	116
F.O. TEMP. IN SETTLING TANKS P		112	113	114	114	115	115
F.O. TEMP. IN SETTLING TANKS S		110	112	110	110	105	107
PORT BOILER UPTAKE		329	318	325	328	323	320
STBD. BOILER UPTAKE		335	312	312	320	322	313
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		465	465	465	465	465	465
F.O. TO BURNERS		160	150	150	150	150	150
MISCELLANEOUS — MAIN COND. SALINITY		.41	.2	.2	.41	.2	.2
ENGINE ROOM TEMPERATURE		84	86	85	86	85	84
FIRE ROOM TEMPERATURE		84	96	85	86	96	84
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		51/55	51/55	51/55	51/55	51/55	51/55
BURNER TIP SIZE S		51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER			13.5%				
CO_2 % STBD. BOILER			13.5%				
OIL LEVEL MAIN SUMP		1'10"	22"	1'10"	1'10"	22"	1'10"
THRUST H.P.		.060	.060	.060	.060	.060	.060
THRUST L.P.		.140	.140	.160	.140	.140	.160

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	3	1200	415	—	9.5	132	111	—	74	1050	1050	240
	4	1200	415	—	9.5	140	121	—	46	1100	1050	240
1600 TO 2000	3	1200	415		9.5	132	110		74	1050		240
	4	1200	415		9.5	141	121		47	1050		240
2000 TO 2400	3	1200	415		9.5	132	110		74	1000	1000	240
	4	1200	415		9.5	140	121		47	1000	1000	240
2400 TO 0400	3	1200	415	—	9.5	132	110	—	74	1050	1050	240
	4	1200	415	—	9.5	140	121	—	47	1000	1000	240
0400 TO 0800	3	1200	415		9.5	131	110		74	1050		240
	4	1200	415		9.5	140	121		47	1050		240
0800 TO 1200	3	1200	415		9.5	132	110		74	1100	1100	240
	4	1200	415		9.5	140	121		47	1100	1100	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1542178 0	BOILER WATER — ON HAND AT START OF DAY	191
	METER PREVIOUS NOON	1540488 0	EVAPORATED OR RECEIVED	70
	CONSUMED BY METER	16900	ON HAND	209
	ON HAND AT START OF DAY	17185	CONSUMED	52
	RECEIVED DURING DAY	—	LUBE OIL — ON HAND AT START OF DAY	1718
	EXPENDED DURING DAY	760	RECEIVED	—
	REMAINING ON BOARD	13425	ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	676	CONSUMED	
	EVAPORATED OR RECEIVED	199	DIESEL OIL — ON HAND	2046
	ON HAND	820	RECEIVED	
	CONSUMED	55	CONSUMED	

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

24/72400

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME	24/1440	PROPELLER SLIP (%)	16.27% Ave.
DETENTION TIME	—	BBL FUEL/MI	1.779
TOTAL REVOLUTIONS	135500	WIND DIRECTION	300°-15 KTS.
AVERAGE R.P.M.	941/950	STATE OF SEA	300°-8'
TOTAL MILES BY ENGINE	510	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	427		

REMARKS

1200-1600 WATCH

Underway 18 nogg. — Mach. in operation: B-3, B-4, G-3, G-4, D-3, D-4, P-3, P-4, F-3, F-4, E-1, E-2, M-2, A-2, MC-3, AC-2, ME-G, AE-G, FS-2, C-1, S-1, L-2, LC-2, W-4 + BB-2. — Changed + cleaned F.O. disch. strainer + both burners — Did water cleaning of L.O. cent. — Tested throttle, low L.O. trip, over speed trip + low L.O. alarm — Pumped bilges — Complied with all standing orders — Electrical overload switch on #2 S.S. air comp. needs resetting. — Fire drill @ 1515 — STBY @ 1516 FIRE PUMP RELIEF VALVE LIFTED @ 125 LBS. PRESS. — Secured from fire drill and HT @ 1528

WATCH ENGR'S SIGNATURE- R. L. Werner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed & cleaned F.O. burners & strainers. Pumped well from #6 & D.B. Pumped bilges. @ 1900 W.T. doors closed from bridge. Made routine test & inspections

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH

underway on 18 noggle, changed tips, burners & cleaned F.O. discharge strainers, obtained test tank .5 P.P.M. System .1 P.P.M. #1 & 2 Evaps. making feed water @ 2000 to 2400, made routine check of all mach. space, pumped out bilges

WATCH ENGR'S SIGNATURE- J. Lane

2400-0400 WATCH

Underway 18 nogg — Mach. as before — Changed + cleaned F.O. disch. strainer, both burners + main unit L.O. strainer — Pumped bilges — Made inspection of all mach. + spaces — Complied with all standing + night orders — #'s 1 + 2 Evap. making pot. wtr. @ 2400 — 0400

WATCH ENGR'S SIGNATURE- R. L. Werner

0400-0800 WATCH

Equip in operation as before. Changed & cleaned F.O. burners & strainers. Pumped well from #7 & D.B. Put #4 Boiler on Comst. B.B & M.U.F.E. for 3 hrs. Pumped bilges. Made routine test & inspections.

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH

underway on 18 noggle, blew tube on #3 + #4 boiler @ 0815 to 0835 by wipes basque, changed tips burners + cleaned F.O. burner discharge strainer, tested new #3 air compressor cut in at 70# / cut out 130# P.S.I. by The Brook, open all #3 tank suction valve to lower oil in #3 P. tank @ 1000, See same @ 1100, made routine check of all mach. space, pumped out bilge

WATCH ENGR'S SIGNATURE- J. Lane

CHIEF ENGINEER

Completed inventory U.S.N. Form 59-93.

#3	BLRS. #	4
9.34	P.ALK.	9.53
12.85	T.ALK.	13.43
4.97	CHL.	5.39
25	PHOS.	30
	P.H. Cond.	8
25	~~P.H. D.C.~~ SO_3	30

CHEMICALS ADDED

	ADJ.	
	G.C.	
	A.R.C	

STEAMING HOURS

934	F.S.	1748
934	W.S.	1748

1 pt Vol.

CHIEF ENGR'S SIGNATURE, [illegible]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Geo. John Pope	12-H	Da Nang, Vietnam	Long Beach, Calif.	AE-22-AO	5/28-29/68

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	4709 2240	4711 4730	4713 5630	4715 6530	4717 7590	4720 0380
TOTAL REVOLUTIONS (FOR WATCH)	22530	22490	20900	20900	21060	22890
AVERAGE RPM	93.9	93.7	95.0	95.0	95.7	95.3
F.O. METER (END OF WATCH)	1542 4530	1542 7340	1543 9840	1543 2380	1543 4910	1543 7590
F.O. CONSUMED	2750	2810	2500	2540	2530	2680
MACHINERY PARTICULARS — PRESSURES — THROTTLE	415	415	420	420	415	415
H.P. AHEAD	415	415	420	420	415	415
L.P. AHEAD	21.5	22	24	24.5	24	24
VACUUM	28.1	28.0	28.0"	28.0"	28	28.0"
L.O. TO TURBINES	12.4	12.5	12.5	12.3	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.8	2.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	15"	15"	15"	15"	15"	15"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	730	730	730	723	720	720
L. P. EXHAUST	100	105	103	100	102	103
CONDENSATE	99	100	100	98	100	99
CIRC. WATER IN	73	74	73	71	71	70
CIRC. WATER OUT	82	84	83	81	80	81
L.O. TO COOLERS	126	127	135	127	127	126
L.O. FROM COOLERS	110	111	109	110	110	110
TEMPERATURE THRUST BEARING	115	115	114	115	115	115
FORWARD H.P. ROTOR BEARING	119	120	118	119	120	118
AFT. H.P. ROTOR BEARING	129	130	127	128	130	130
FORWARD L.P. ROTOR BEARING	130	131	130	130	131	130
AFT. L.P. ROTOR BEARING	126	130	128	128	130	128

		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	149	149	149	150	150	150
	HOTTEST GEAR BEARING AFT	140	140	140	140	140	141
	AUX. COND. CONDENSATE	95	95	92	93	90	93
	1ST STAGE FEED WATER HEATER	163	164	165	164	166	165
	D. C. FEED WATER HEATER	240	238	240	240	240	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P							
SUPER HEAT S							
F.O. TO BURNERS		200	200	200	200	200	200
AIR TO FURNACE P		117	117	116	116	115	115
AIR TO FURNACE S		121	120	115	116	115	114
F.O. TEMP. IN SETTLING TANKS P		113	115	113	113	120	112
F.O. TEMP. IN SETTLING TANKS S		108	112	110	109	102	109
PORT BOILER UPTAKE		323	319	319	319	317	318
STBD. BOILER UPTAKE		315	311	310	316	319	308
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		465	465	465	465	465	465
F.O. TO BURNERS		150	150	150	150	150	145
MISCELLANEOUS — MAIN COND. SALINITY		.41	.2	.3	.41	.2	.3
ENGINE ROOM TEMPERATURE		85	85	84	83	83	84
FIRE ROOM TEMPERATURE		85	96	84	83	93	84
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		51/55	51/55	51/55	51/55	51/55	51/55
BURNER TIP SIZE S		51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER			13.5%				
CO_2 % STBD. BOILER			13.5%				
OIL LEVEL MAIN SUMP		110"	22"	110"	110"	22"	110"
THRUST H.P.		.060	.060	.060	.060	.060	.060
THRUST L.P.		.140	.140	.160	.140	.140	.160

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	3	1200	415	—	9.5	131	110	—	74	1000	1000	240
	4	1200	415	—	9.5	139	120	—	47	1000	1000	240
1600 TO 2000	3	1200	415		9.5	131	110		74	1050		240
	4	1200	415		9.5	140	120		47	1050		240
2000 TO 2400	3	1200	420		9.5	131	109		74	1000	1000	240
	4	1200	420		9.5	140	120		47	1000	1000	240
2400 TO 0400	3	1200	420	—	9.5	130	110	—	74	1000	950	240
	4	1200	420	—	9.5	139	120	—	47	1000	1000	240
0400 TO 0800	3	1200	415		9.5	131	110		74	1100		240
	4	1200	415		9.5	138	121		47	1100		240
0800 TO 1200	3	1200	415		9.5	132	111		74	1050	1050	240
	4	1200	415		9.5	138	121		47	1050	1050	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1543/7590
FUEL OIL	METER PREVIOUS NOON	1542/7340
FUEL OIL	CONSUMED BY METER	15810
FUEL OIL	ON HAND AT START OF DAY	13425
FUEL OIL	RECEIVED DURING DAY	—
FUEL OIL	EXPENDED DURING DAY	724
FUEL OIL	REMAINING ON BOARD	12701
DOMESTIC WATER	ON HAND AT START OF DAY	820
DOMESTIC WATER	EVAPORATED OR RECEIVED	121
DOMESTIC WATER	ON HAND	877
DOMESTIC WATER	CONSUMED	64
BOILER WATER	ON HAND AT START OF DAY	209
BOILER WATER	EVAPORATED OR RECEIVED	46
BOILER WATER	ON HAND	213
BOILER WATER	CONSUMED	42
LUBE OIL	ON HAND AT START OF DAY	1918
LUBE OIL	RECEIVED	—
LUBE OIL	ON HAND	—
LUBE OIL	CONSUMED	—
DIESEL OIL	ON HAND	2046
DIESEL OIL	RECEIVED	—
DIESEL OIL	CONSUMED	

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

23/4500

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	23/1380	PROPELLER SLIP (%)	12.2% Astern
DETENTION TIME	—	BBL FUEL/MI	1.675
TOTAL REVOLUTIONS	130670	WIND DIRECTION	225° - 12 kts.
AVERAGE R.P.M.	94.7/95.6	STATE OF SEA	225° - 4'
TOTAL MILES BY ENGINE	492	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	432		

REMARKS

1200-1600 WATCH

Underway 18 nogg. — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, D-3, D-4, F-3, F-4, M-2, A-2, MC-3, AC-2, ME-G, AE-G, E-1, E-2, FS-2, C-1, L-2, LC-2, S-1, W-3, + BB-2. — Changed + cleaned F.O. disch. strainers, + bottom burners. — Pumped bilges — Made inspection of all mach. + spaces — #5 1+2 evaps. filling #3 & ext. w/tus — Tested throttle, low L.O. trip, over-speed trip + low L.O. alarm — Complied with all standing orders — Held eng. dept. safety meeting; 39 men present, notified bridge, 1300-1345

WATCH ENGR'S SIGNATURE- R. L. Warner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed & cleaned F.O. burners & strainers. Pumped sett from #7 & D.B. Put #3 boiler on cont. B.B. & M.U.F.W. for three hours. Compounded #3 + 4 blrs as necessary after blow down. Pumped bilges. @ 1838 W.T. doors closed from bridge. Made routine test & inspections.

WATCH ENGR'S SIGNATURE- J. M. Stutz

2000-2400 WATCH

underway on 18 nozzle, changed top burner + cleaned F.O. discharge strainer. Pumped dirty diesel from sump tank to sludge tank. Pumped contents advance clock 30 minutes @ 2300. Tested chlorine tank 7 P.P.M. System 5 P.P.M. made routine check of all mach. space, pumped out bilge. Sec. #2 & P. evap @ 2000

WATCH ENGR'S SIGNATURE- R. Lane

2400-0400 WATCH

Underway 18 nogg. — Mach. as before — Changed + cleaned F.O. disch. strainer, bottom burners + main unit F.O. strainer — Pumped bilges — Made inspection of all mach. + spaces — Complied with all standing + night orders.

WATCH ENGR'S SIGNATURE- R. L. Warner

0400-0800 WATCH

Equip in operation as before. Changed + cleaned F.O. burners + strainers. Pumped sett from #8 & D.B. Pumped bilges. @ 0500 advanced clocks 20 min. Renewed + repacked outboard gage glass on #4 boiler. Made routine test + inspections.

WATCH ENGR'S SIGNATURE- J. M. Stutz

0800-1200 WATCH

underway on 18 nozzle, Blew tubes on #3 + #4 boiler @ 0755 to 0815 changed top burner + cleaned F.O. discharge strainer, changed F.O. pump to inboard one @ 0900 chlorine test tank 6 P.P.M. System 4 P.P.M. made routine check of all mach. space, pumped out bilges.

WATCH ENGR'S SIGNATURE- R. Lane

CHIEF ENGINEER

Checked all fire fighting equipment, conversion with ship air pressure, tested main submersible bilge pump. Turn all the mach. check + test all safety devices + alarm system. Tested main #3 Elec. fire pump for 4 hrs. X.T.

3 ~~8.74~~	BLRS. #	4
8.76 ~~12.36~~	P.ALK.	8.93
12.76 ~~24.4~~	T.ALK.	14.02
2.49 ~~4.5~~	CHL.	2.49
45	PHOS.	45
	P.H. Cond.	8
45	~~P.H. D.G.~~	45
CHEMICALS ADDED		
12	~~ADJ.~~ M-15	12
20	~~G.G.~~ 9MS	20
5	~~A.R.G.~~ MNOX	5
STEAMING HOURS		
958	F.S.	1772
958	W.S.	1772

CHIEF ENGR'S SIGNATURE- W. S. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope	12-F	Da Nang, Vietnam	Sasebo, Japan	12-12-012	5/27-30/68

	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)	4722 3140	4724 5900	4726 8260	4729 1530	4731 4390	4733 7210
TOTAL REVOLUTIONS (FOR WATCH)	22760	22760	22860	22770	22860	22820
AVERAGE RPM	94.8	94.8	95.2	94.9	95.3	95.1
F.O. METER (END OF WATCH)	1544 0280	1544 2940	1544 5560	1544 8280	1545 0970	1545 3670
F.O. CONSUMED	2690	2660	2630	2620	2690	2700
MACHINERY PARTICULARS — PRESSURES — THROTTLE	415	415	415	415	415	415
H.P. AHEAD	415	415	415	415	415	415
L.P. AHEAD	24	24	24	25.5	25	25
VACUUM	28.0"	28	28"	28.0"	28"	28"
L.O. TO TURBINES	12.4	12.5	12.5	12.4	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	.5	.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	15"	15"	15"	15"	14"	14"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	725	725	725	723	720	725
L. P. EXHAUST	100	102	103	103	100	101
CONDENSATE	99	100	100	101	99	98
CIRC. WATER IN	71	72	73	73	70	70
CIRC. WATER OUT	81	81	82	84	80	80
L.O. TO COOLERS	126	126	126	126	126	126
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	115	115	114	115	115	114
FORWARD H.P. ROTOR BEARING	118	119	117	118	118	118
AFT. H.P. ROTOR BEARING	129	129	127	128	128	128
FORWARD L.P. ROTOR BEARING	130	130	131	129	130	130
AFT. L.P. ROTOR BEARING	128	124	130	128	129	130

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0600 TO 1200
MACH. PARTICULARS (CONT'D) — TEMPERATURES (CONT'D) — HOTTEST GEAR BEARING FORWARD	150	150	150	150	150	150
HOTTEST GEAR BEARING AFT	141	141	141	141	141	141
AUX. COND. CONDENSATE	93	91	93	94	90	90
1ST STAGE FEED WATER HEATER	163	163	165	161	164	163
D. C. FEED WATER HEATER	240	239	240	240	239	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P						
SUPER HEAT S						
F.O. TO BURNERS	200	200	200	200	200	200
AIR TO FURNACE P	112	115	114	115	115	113
AIR TO FURNACE S	114	115	117	118	114	111
F.O. TEMP. IN SETTLING TANKS P	111	111	112	112	112	111
F.O. TEMP. IN SETTLING TANKS S	108	106	105	105	107	105
PORT BOILER UPTAKE	319	313	318	323	321	320
STBD. BOILER UPTAKE	315	307	311	317	317	312
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE						
MAIN STEAM	465	465	465	465	465	465
F.O. TO BURNERS	150	145	140	140	140	140
MISCELLANEOUS — MAIN COND. SALINITY	.41	.2	.1	.41	.2	.1
ENGINE ROOM TEMPERATURE	83	83	83	82	80	80
FIRE ROOM TEMPERATURE	83	93	83	93	92	80
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	51/55	51/55	51/55	51/55	51/55	51/55
BURNER TIP SIZE S	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		13.5%				
CO_2 % STBD. BOILER		13.5%				
OIL LEVEL MAIN SUMP	110"	22"	110"	110"	22"	110"
THRUST H.P. / L.P.	.060 / .140	.060 / .140	.060 / .160	.060 / .140	.060 / .140	.060 / .160

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	3	1200	415	—	9.5	132	110	—	74	1000	1000	240
	4	1200	415	—	9.5	138	120	—	47	1000	1000	240
1600 TO 2000	3	1200	415		9.5	131	110		74	1000		240
	4	1200	415		9.5	139	120		47	1000		240
2000 TO 2400	3	1200	415		9.5	132	110		74	1000	1000	240
	4	1200	415		9.5	139	120		47	1000	1000	240
2400 TO 0400	3	1200	415	—	9.5	132	110	—	74	1000	950	240
	4	1200	415	—	9.5	139	120	—	47	1000	950	240
0400 TO 0800	3	1200	415		9.5	130	109		74	1000		240
	4	1200	415		9.5	137	120		47	1000		240
0800 TO 1200	3	1200	415		9.5	131	110		74	1050	1050	240
	4	1200	415		9.5	138	120		47	1050	1050	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1543320	BOILER WATER — ON HAND AT START OF DAY	213
	METER PREVIOUS NOON	1543320	EVAPORATED OR RECEIVED	76
	CONSUMED BY METER	16270	ON HAND	227
	ON HAND AT START OF DAY	12731	CONSUMED	63
	RECEIVED DURING DAY	—	LUBE OIL — ON HAND AT START OF DAY	1218
	EXPENDED DURING DAY	12070	RECEIVED	—
	REMAINING ON BOARD	661	ON HAND	—
DOMESTIC WATER	ON HAND AT START OF DAY	877	CONSUMED	—
	EVAPORATED OR RECEIVED	45	DIESEL OIL — ON HAND	2045
	ON HAND	877	RECEIVED	—
	CONSUMED	45	CONSUMED	—

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)
24 / 33700

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME	24/1440	PROPELLER SLIP (%)	10.89% astern
DETENTION TIME	—	BBL FUEL/MI	1.443
TOTAL REVOLUTIONS	136830	WIND DIRECTION	180°-10K.
AVERAGE R.P.M.	95.0/95.8	STATE OF SEA	180°-5'
TOTAL MILES BY ENGINE	514	STATE OF WEATHER	Rain
TOTAL MILES BY OBSERVATION	458		

REMARKS

1200-1600 WATCH

Underway 18 nozz. — Mach. in operation: B-3, B-4, G-3, G-4, D-3, D-4, P-3, P-4, F-3, F-4, E-1, M-2, A-2, MC-3, AC-2, ME-G, AF-G, S-1, C-1, LC-2, L-2, W-4, FS-2 + BB-2. — Changed + cleaned F.O. disch. strainers + bottom burners — Made inspection of all mach. + spaces — Pumped bilges — Tested throttle, low L.O. trip, over-speed trip + low L.O. alarm on main unit — Complied with all standing orders — Boat drill + stby @ 1515 — Secured from boat drill + Wt. @ 1521 Man o' wd drill + stby @ 1523 — Secured from man o' wd drill + Wt @ 1532

WATCH ENGR'S SIGNATURE- D. L. Wenner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed + cleaned F.O. burners + strainers. Pumped oil from #8 & D.B. Pumped bilge. Made routine test + inspections.

WATCH ENGR'S SIGNATURE- J. M. Stutz

2000-2400 WATCH

underway on 18 nozzle, changed top burners + cleaned F.O. discharge strainer, cleaned #3 + #4 S.C. strainers of and S.-Gen. chlorine test tank + P.P.M. System. 3 P.P.M. chief Eng. made round of mach. space + stern tube + Shaft alley @ 0300, made routine check of all mach. space, pumped out bilge

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Underway 18 nozz. — Mach. as before — Changed + cleaned F.O. disch strainers, bottom burners + main unit L.C. strainer — Pumped bilges — Made inspection of all mach. + spaces — Complied with all standing + night orders

WATCH ENGR'S SIGNATURE- D. L. Wenner

0400-0800 WATCH

Equip in operation as before. Changed + cleaned F.O. burners + strainers. Pumped oil from #8 & D.B. Pumped bilge. Made routine test + inspections.

WATCH ENGR'S SIGNATURE- J. M. Stutz

0800-1200 WATCH

underway on 18 nozzle. Blew tube on #3 + #4 boiler @ 0755 to 0815, changed top burners + cleaned F.O. discharge strainer, Transfer fuel oil from #4 & Deep To #8 & D.B. by 2nd Eng. Lay, chlorine test tank, 4 P.P.M. System 3 P.P.M. Stby @ 1034 Due to weather & Water tight doors close. made routine check of all mach. space, pumped out bilge

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

13	BLRS. #	4
8.26	P.ALK.	9.43
12.85	T.ALK.	13.43
2.49	CHL.	2.49
40	PHOS.	40
	P.H. Cond.	
40	~~P.H. D.G.~~ 303	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
982	F.S.	1796
982	W.S.	1796

1pT Vol.

CHIEF ENGR'S SIGNATURE- [illegible]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope	12-H	Da Nang, Vietnam	Sasebo, Japan	AP-52	5/30-31/68

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	4736 0050	4738 2940	4740 3900	4742 4840	4744 6260	4746 9270
TOTAL REVOLUTIONS (FOR WATCH)	22840	22890	20960	20940	21420	23010
AVERAGE RPM	95.2	95.4	95.2	95.2	97.4	95.8
F.O. METER (END OF WATCH)	1545 6400	1545 9090	1546 1570	1546 4070	1546 6720	1546 9410
F.O. CONSUMED	2730	2690	2480	2500	2650	2698
MACHINERY PARTICULARS — PRESSURES — THROTTLE	415	415	415	415	415	415
H.P. AHEAD	415	415	415	415	415	415
L.P. AHEAD	25.5	25	25.5	25.5	25	25
VACUUM	28.0"	28.2	28.0"	28.0"	28.2	28.2
L.O. TO TURBINES	12.3	12.5	12.5	12.3	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	.5	.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	15"	15"	15"	15"	15"	15"
TEMPERATURES — STEAM AT THROTTLE	730	725	730	732	725	730
L. P. EXHAUST	100	100	100	100	99	98
CONDENSATE	98	99	99	99	99	98
CIRC. WATER IN	69	69	69	70	68	68
CIRC. WATER OUT	79	80	80	81	79	77
L.O. TO COOLERS	127	127	126	127	126	126
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	115	115	114	115	115	115
FORWARD H.P. ROTOR BEARING	119	118	118	117	117	118
AFT. H.P. ROTOR BEARING	129	129	128	128	129	128
FORWARD L.P. ROTOR BEARING	130	130	131	129	130	130
AFT. L.P. ROTOR BEARING	129	129	130	129	128	128

	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	150	150	150	150	151	150
HOTTEST GEAR BEARING AFT	141	141	141	141	144	143
AUX. COND. CONDENSATE	89	88	87	90	87	88
1ST STAGE FEED WATER HEATER	162	162	164	164	155	163
D. C. FEED WATER HEATER	240	239	240	240	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P						
SUPER HEAT S						
F.O. TO BURNERS	200	200	200	200	160	160
AIR TO FURNACE P	112	112	112	111	112	110
AIR TO FURNACE S	112	115	110	111	112	111
F.O. TEMP. IN SETTLING TANKS P	110	108	106	106	96	98
F.O. TEMP. IN SETTLING TANKS S	105	81	81	83	84	85
PORT BOILER UPTAKE	325	321	325	327	330	318
STBD. BOILER UPTAKE	315	309	312	319	323	312
PRESSURES — F. O. BACK PRESSURE						
MAIN STEAM	465	465	465	465	465	465
F.O. TO BURNERS	140	140	140	140	135	135
MISCELLANEOUS — MAIN COND. SALINITY	.41	.2	.4	.41	.2	.41
ENGINE ROOM TEMPERATURE	81	80	80	79	79	79
FIRE ROOM TEMPERATURE	91	90	80	90	90	79
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	51/55	51/55	51/55	51/55	51/55	51/55
BURNER TIP SIZE S	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		13.5%				
CO_2 % STBD. BOILER		13.5%				
OIL LEVEL MAIN SUMP	110"	22"	110"	110"	22"	110"
THRUST H.P.	.060	.060	.060	.060	.060	.060
THRUST L.P.	.140	.140	.160	.145	.140	.160

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	3	1200	415	—	9.5	132	110	—	74	950	900	240
	4	1200	415	—	9.5	138	120	—	42	1000	1000	240
1600 TO 2000	3	1200	415		9.5	131	110		74	950		240
	4	1200	415		9.5	137	120		48	950		240
2000 TO 2400	3	1200	415		9.5	131	110		74	950	950	240
	4	1200	415		9.5	137	120		48	950	950	240
2400 TO 0400	3	1200	415	—	9.5	131	110	—	74	1050	1000	240
	4	1200	415	—	9.5	137	120	—	48	1000	1000	240
0400 TO 0800	3	1200	415		9.5	131	110		74	1050		240
	4	1200	415		9.5	137	121		48	1050		240
0800 TO 1200	3	1200	415		9.5	137	110		74	1050	1050	240
	4	1200	415		9.5	137	121		48	1050	1050	240

FUEL - WATER AND LUBE OIL

FUEL OIL — METER AT NOON	1546 3410	
FUEL OIL — METER PREVIOUS NOON	1545 3670	
FUEL OIL — CONSUMED BY METER	1574 [illegible]	
FUEL OIL — ON HAND AT START OF DAY	12070	
FUEL OIL — RECEIVED DURING DAY	—	
FUEL OIL — EXPENDED DURING DAY	724	
FUEL OIL — REMAINING ON BOARD	11316	
DOMESTIC WATER — ON HAND AT START OF DAY	877	
DOMESTIC WATER — EVAPORATED OR RECEIVED	37	
DOMESTIC WATER — ON HAND	878	
DOMESTIC WATER — CONSUMED	66	
BOILER WATER — ON HAND AT START OF DAY	227	
BOILER WATER — EVAPORATED OR RECEIVED	72	
BOILER WATER — ON HAND	273	
BOILER WATER — CONSUMED	26	
LUBE OIL — ON HAND AT START OF DAY	1918	
LUBE OIL — RECEIVED	—	
LUBE OIL — ON HAND		
LUBE OIL — CONSUMED		
DIESEL OIL — ON HAND	2046	
DIESEL OIL — RECEIVED	—	
DIESEL OIL — CONSUMED		

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

23/29500

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	23/1380	PROPELLER SLIP (%)	13.5% [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.687
TOTAL REVOLUTIONS	132060	WIND DIRECTION	315° - 8 kts
AVERAGE R.P.M.	95.7/96.4	STATE OF SEA	315° - 4'
TOTAL MILES BY ENGINE	496	STATE OF WEATHER	O'Cast
TOTAL MILES BY OBSERVATION	424		

REMARKS

1200-1600 WATCH

Underway 18 nozz. — Mach. in operation: B-3, B-4, G-3, G-4, P-3, P-4, D-3, D-4, F-3, F-4, E-1, C-1, FS-2, L-2, LC-2, M-2, A-2, MC-3, AC-2, ME-G, AE-G, S-1, W-4 & BB-2. — Changed & cleaned F.O. disch. strainers & bottom burners — Pumped bilges — Made inspection of all mach. & spaces — Complied with all standing orders — Tested throttle, low L.O. trip, over-speed trip, & low L.O. alarm on main unit — Went from ST by to HT @ 1218 due to closing weather conditions — Replaced bushes in #1 bilge pump of low press. evap. @ 1350-1355

WATCH ENGR'S SIGNATURE- David L. Wenner

1600-2000 WATCH

Equip in operation as before. Blew tubes on both boilers. Changed & cleaned F.O. burners & strainers. Pumped sett from #8 & D.B. & #1 P&S D.B. Pumped bilges. Mach routine test & inspections.

WATCH ENGR'S SIGNATURE- J. M. Stutz

2000-2400 WATCH

underway on 18 nozzle, changed tips, burners & cleaned F.O. discharge strainers, chlorine test tank .5 P.P.M. System .2 P.P.M. made routine check of all mach. space, pumped out bilges, advance clock 30 minutes @ 2300, chief Eng. made round of mach. space, shaft alley, behind & top of boilers @ 2330

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Underway 18 nozz. — Mach. as before — Changed & cleaned F.O. disch. strainers, bottom burners & main unit L.O. strainer — Made inspection of all mach. & spaces — Pumped bilges — Complied with all standing & night orders — advanced clock 20 min @ 0100 — Held eng. casualty drill "E-5", fire main present, notified bridge @ 0130-0200

WATCH ENGR'S SIGNATURE- R. L. Wenner

0400-0800 WATCH

Equip in operation as before. Changed & cleaned F.O. burners & strainers. Pumped sett from #1 P&S D.B. Pumped bilges. @ 0500 advanced clocks 20 min. Made routine test & inspections.

WATCH ENGR'S SIGNATURE- J. M. Stutz

0800-1200 WATCH

underway on 18 nozzle, Blew Tube on #3 & #4 boilers @ 0755 to 0815. changed tips, burners & cleaned F.O. disch. changed strainers, Held Eng. casualty drill E-5 High salinity in the feed water of boilers, 0900 to 0930 notified bridge, chlorine test tank .5 P.P.M. System .3 P.P.M. made routine check of all mach. space, pumped out bilges

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

#3	BLRS. #	4
8.76	P.ALK.	9.93
12.85	T.ALK.	14.02
2.07	CHL.	2.49
45	PHOS.	45
	P.H. Cond.	8
40	~~P.H. D.C.~~ 9.03	45
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
1006	F.S.	1820
1006	W.S.	1820

1 pt Val,

CHIEF ENGR'S SIGNATURE- [illegible]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Adv. John Tyler	12-F	Dalmas, Virginia	[illegible]	[illegible]	6/31-6/7/68

	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)	4749 1950	4751 4820	4753 7720	4756 0850	4758 3750	4760 6680
TOTAL REVOLUTIONS (FOR WATCH)	22680	22920	22850	23130	22940	22890
AVERAGE RPM	94.5	95.5	95.2	96.4	95.6	95.3
F.O. METER (END OF WATCH)	1547 2120	1547 4860	1547 7550	1548 0300	1548 3060	1548 5770
F.O. CONSUMED	2710	2740	2690	2750	2760	2710
MACHINERY PARTICULARS — PRESSURES — THROTTLE	415	415	415	415	415	415
H.P. AHEAD	415	415	415	415	415	415
L.P. AHEAD	25	25	25	25.5	25	25
VACUUM	28.1"	28.2	28.2"	28.1"	28.2	28.1
L.O. TO TURBINES	12.3	12.3	12.5	12.3	12.5	12.5
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	.5	.5	.5	.5	.5	.5
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER	15"	15"	15"	14"	15	15"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	740	730	730	732	730	730
L. P. EXHAUST	99	100	98	98	99	100
CONDENSATE	98	96	97	96	96	97
CIRC. WATER IN	70	69	68	68	67	69
CIRC. WATER OUT	79	79	78	78	78	79
L.O. TO COOLERS	127	126	126	126	126	126
L.O. FROM COOLERS	110	109	110	110	110	110
TEMPERATURE THRUST BEARING	115	115	115	115	115	115
FORWARD H.P. ROTOR BEARING	118	118	118	117	118	118
AFT. H.P. ROTOR BEARING	128	128	128	128	128	128
FORWARD L.P. ROTOR BEARING	130	130	130	129	130	130
AFT. L.P. ROTOR BEARING	128	128	129	129	128	128

		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		150	149	150	150	150	150
HOTTEST GEAR BEARING AFT		142	141	143	142	142	142
AUX. COND. CONDENSATE		91	89	87	89	86	90
1ST STAGE FEED WATER HEATER		165	161	164	163	161	165
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT	P						
	S						
F.O. TO BURNERS		200	160	160	140	140	135
AIR TO FURNACE	P	111	112	108	110	110	110
	S	113	112	107	110	110	107
F.O. TEMP. IN SETTLING TANKS	P	97	97	95	96	90	91
	S	86	79	79	79	80	80
PORT BOILER UPTAKE		321	317	320	324	321	318
STBD. BOILER UPTAKE		315	311	315	319	316	314
PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		465	465	465	465	465	465
F.O. TO BURNERS		146	135	135	135	130	135
MISCELLANEOUS — MAIN COND. SALINITY		.41	.2	.41	.41	.2	.41
ENGINE ROOM TEMPERATURE		81	80	78	79	78	80
FIRE ROOM TEMPERATURE		91	90	78	89	88	80
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	51/55	51/55	51/55	51/55	51/55	51/55
	S	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER			13.5%				
CO_2 % STBD. BOILER			13.5%				
OIL LEVEL MAIN SUMP		110"	22"	110"	110"	22"	110"
THRUST	H.P.	.060	.060	.060	.060	.060	.060
	L.P.	.145	.140	.160	.145	.140	.160

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	3	1200	415	—	9.5	132	110	—	74	1100	1050	240
	4	1200	415	—	9.5	137	121	—	48	1000	1000	240
1600 TO 2000	3	1200	415		9.5	131	110		74	1050		240
	4	1200	415		9.5	137	120		47	1050		240
2000 TO 2400	3	1200	415		9.5	132	110		74	1050	1050	240
	4	1200	415		9.5	137	121		48	1000	1000	240
2400 TO 0400	3	1200	415	—	9.5	131	110	—	74	1050	1050	240
	4	1200	415	—	9.6	137	120	—	48	950	950	240
0400 TO 0800	3	1200	415		9.5	132	110		74	1050		240
	4	1200	415		9.5	136	121		48	1050		240
0800 TO 1200	3	1200	415		9.5	132	110		74	1050	1050	240
	4	1200	415		9.5	136	120		48	1050	1050	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	15483770	BOILER WATER	ON HAND AT START OF DAY	273
	METER PREVIOUS NOON	15469410		EVAPORATED OR RECEIVED	73
	CONSUMED BY METER	16360		ON HAND	297
	ON HAND AT START OF DAY	11316		CONSUMED	49
	RECEIVED DURING DAY	—	LUBE OIL	ON HAND AT START OF DAY	1918
	EXPENDED DURING DAY	752		RECEIVED	—
	REMAINING ON BOARD	10564		ON HAND	—
DOMESTIC WATER	ON HAND AT START OF DAY	848		CONSUMED	—
	EVAPORATED OR RECEIVED	35	DIESEL OIL	ON HAND	2046
	ON HAND	805		RECEIVED	—
	CONSUMED	78		CONSUMED	—

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

24 22280

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	4	4	4

SUMMARY

RUNNING TIME	24 1440	PROPELLER SLIP (%)	1.643
DETENTION TIME	—	BBL FUEL/MI	114% [illegible]
TOTAL REVOLUTIONS	137410	WIND DIRECTION	270°-10 KTS.
AVERAGE R.P.M.	95.4/95.2	STATE OF SEA	270°-2'
TOTAL MILES BY ENGINE	517	STATE OF WEATHER	O'cast
TOTAL MILES BY OBSERVATION	458		

REMARKS

1200-1600 WATCH

Underway 18 nogg. — Mach. in operation: B-3, B-4, C-3, C-4, M-2, A-2, MC-3, AC-2, E-1, ME-C, AE-C, P-3, P-4, P-3, P-4, F-3, F-4, C-1, S-1, L-2, LC-2, W-4, FS-2, + BB-2. — Changed & cleaned F.O. disch. strainers + bottom burners — Made inspection of all mach. + spaces — Pumped bilges — Complied with all standing orders — Tested throttle low L.O. trip, over-speed trip + low L.O. alarm on main unit — N.B.C. drill @ 1515 — Secured from N.B.C. drill @ 1529

WATCH ENGR'S SIGNATURE- D. L. Werner

1600-2000 WATCH

Equip. in operation as before. Blew tubes on both boilers. Changed & cleaned F.O. burners + strainers. 1st A/E reported C.E. Todd, wiper (389-4), & J.L. Fitzgerald, wiper, (389-7) reported to ships hospital for medical treatment. As reported by Eng. storekeeper the inventory for classes S-65 & S-66 part I, has been completed in accordance with NAVSUP Pub. 256, para. 1458, spare parts. Inventory shows 84.7% efficiency. No. 2 Air compressor did not start on low air pres. Pumped bilges from #2 P&S D.B. Pumped bilges. Made routine test & inspection. W.T. doors close from bridge.

WATCH ENGR'S SIGNATURE- J. M. Steele

2000-2400 WATCH

underway on 18 nozzle, changed top burners & cleaned F.O. discharge strainers, check & cleaned L.O. strainers of #3 & #4 aux. Gen. chlorine test tank .3 P.P.M. System .1 P.P.M. made routine check of all mach. space, pumped out bilges added 1 qts of chlorine to #3 P @ 2345

WATCH ENGR'S SIGNATURE- J. Lane

2400-0400 WATCH

Underway 18 nogg — Mach. as before — Changed & cleaned F.O. disch. strainers, bottom burners & main unit L.O. strainer — Pumped bilges — Made inspection of all mach. + spaces — Complied with all standing & night orders

WATCH ENGR'S SIGNATURE- D. L. Werner

0400-0800 WATCH

Equip. in operation as before. Changed & cleaned F.O. burners & strainers. Pumped bilges from #2 P&S D.B. Pumped bilges. @0630 called plumber-Talente for plumbing repair in Mr. Kelly. Discovered pin hole leak in Aux Circ. disch. #3 Aux condenser, located offshicher to condenser, from Aux Circ. pump disch. valve. Made routine test & inspection

WATCH ENGR'S SIGNATURE- J. M. Steele

0800-1200 WATCH

underway on 18 nozzle, Blew tube on #3 + #4 boilers @ 0755 to 0815 changed top burners & cleaned F.O. discharge strainers, made a temporary patch on aux. circ. pump discharge to #3 aux. condenser. Chlorine test tank .5 P.P.M. System .4 P.P.M. made routine check of all mach. space, pumped out bilges

WATCH ENGR'S SIGNATURE- J. Lane

CHIEF ENGINEER

Completed Inspection of Spaces 65 & 66 of W.T.
Mess Gal & Officers Inspected & sick bay.
Fuel Inventory @ 2400 hrs; 11116 Bbls; 10% [illegible] water Tow Inv. 11539 Bbls.

1st Vol.		
#3	BLRS. #	4
8.76	P.ALK.	9.93
12.26	T.ALK.	13.43
2.49	CHL.	2.90
40	PHOS.	40
	P.H. Cond.	8
40	~~P.H. D.C.~~ SO3	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
1030	P.S.	1844
1030	W.S.	1844

CHIEF ENGR'S SIGNATURE- [illegible]

A-35544