Forward

ENGINE ROOM LOG

GEARED TURBINE DRIVE

USNS General John Pope (T-AP-110)

FROM 1600 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
[illegible]	12-8	Portland, Calif.	[illegible]	[illegible]	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)	4735 1670	4737 4560	4739 7740	4742 0800	4744 2400	4746 5540
TOTAL REVOLUTIONS (FOR WATCH)	22570	22820	23180	23060	21600	23160
AVERAGE RPM	94.0	95.4	96.6	96.0	90.0	96.5
F.O. METER (END OF WATCH)	1429 1010	1429 3770	1429 6510	1429 9260	1430 1950	1430 4700
F.O. CONSUMED	2820	2760	2740	2750	2690	2750
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	26.5	28	28	28	27	27
VACUUM	27.5	27.5"	27.5	27.5	27.5"	27.2
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	2.0	2.0	2.0	2.0	2.0	2.0
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER		7"	9	9	8"	9
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	695	705	705	695	670	713
L. P. EXHAUST	117	116	115	113	112	114
CONDENSATE	110	108	109	110	109	110
CIRC. WATER IN	79	80	79	79	80	82
CIRC. WATER OUT	92	92	92	91	93	94
L.O. TO COOLERS	125	127	125	125	126	127
L.O. FROM COOLERS	108	109	109	108	108	110
TEMPERATURE THRUST BEARING	117	117	117	115	117	117
FORWARD H.P. ROTOR BEARING	122	124	125	123	123	124
AFT. H.P. ROTOR BEARING	135	137	137	136	137	137
FORWARD L.P. ROTOR BEARING	133	136	136	133	135	135
AFT. L.P. ROTOR BEARING	128	130	132	128	130	130

MACH. PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
HOTTEST GEAR BEARING FORWARD	162	162	160	153	163	154
HOTTEST GEAR BEARING AFT	143	145	145	143	145	145
AUX. COND. CONDENSATE	120/118	120/118	116/108	127/118	120/120	114/109
1ST STAGE FEED WATER HEATER	165	164	166	166	165	167
D. C. FEED WATER HEATER	240	240	240	240	240	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT P	670	710	685	672	685	?195
SUPER HEAT S	675	710	685	673	695	?190
F.O. TO BURNERS	190	190	190	190	190	190
AIR TO FURNACE P	138	138	138	139	142	142
AIR TO FURNACE S	129	130	129	129	135	132
F.O. TEMP. IN SETTLING TANKS P	112	92	110	105	105	105
F.O. TEMP. IN SETTLING TANKS S	105	103	105	102	116	115
PORT BOILER UPTAKE	320	320	320	325	343	?122
STBD. BOILER UPTAKE	318	320	325	332	380	?120
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE						
MAIN STEAM	450	452	450	450	452	450
F.O. TO BURNERS	195	180	180	180	185	180
MISCELLANEOUS – MAIN COND. SALINITY	.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE	101	101	98	99	102	103
FIRE ROOM TEMPERATURE	101	101	98	99	102	103
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	13.5	13.5	13.5	13.0	13.5
CO_2 % STBD. BOILER	13.5	13.0	13.5	13.5	13.0	13.0
OIL LEVEL MAIN SUMP	1'7"	1'7"	1'7"	1'7"	1'7"	1'7"
H.P. L.P. THRUST	.050 .100	.050 .100	.050 .100	.050 .100	.050 .100	.050 .100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	695	9	123	112		63	1250	1250	240
	2	1200	440	695	7	137	126		67	1250	1250	240
1600 TO 2000	1	1200	440	705	9.1	124	112		63	650	650	240
	2	1200	440	705	7	136	124		67	650	650	240
2000 TO 2400	1	1200	440	705	9.2	120	110		63	700	700	240
	2	1200	440	705	7	136	124		67	700	650	240
2400 TO 0400	1	1200	440	695	9.2	122	110		63	700	700	240
	2	1200	440	695	7	135	123		67	700	700	240
0400 TO 0800	1	1200	440	680	9.1	121	110		63	800	800	240
	2	1200	440	690	7	137	124		67	800	800	240
0800 TO 1200	1	1200	440	713	9.2	122	110		63	800	800	240
	2	1200	440	713	7	136	124		67	800	800	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	14304700	BOILER WATER – ON HAND AT START OF DAY	214
	METER PREVIOUS NOON	14288190	BOILER WATER – EVAPORATED OR RECEIVED	40
	CONSUMED BY METER	16510	BOILER WATER – ON HAND	215
	ON HAND AT START OF DAY	8678	BOILER WATER – CONSUMED	39
	RECEIVED DURING DAY	–	LUBE OIL – ON HAND AT START OF DAY	1855
	EXPENDED DURING DAY	786	LUBE OIL – RECEIVED	–
	REMAINING ON BOARD	7892	LUBE OIL – ON HAND	–
DOMESTIC WATER	ON HAND AT START OF DAY	797	LUBE OIL – CONSUMED	–
	EVAPORATED OR RECEIVED	79	DIESEL OIL – ON HAND	2067
	ON HAND	739	DIESEL OIL – RECEIVED	–
	CONSUMED	137	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 hrs	PROPELLER SLIP (%)	11.23 [illegible]
DETENTION TIME		BBL FUEL/MI	1.762
TOTAL REVOLUTIONS	134450	WIND DIRECTION	090° 18 kt.
AVERAGE R.P.M.	94.76/94.41	STATE OF SEA	000° – 3'
TOTAL MILES BY ENGINE	528	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	435		

REMARKS

1200-1600 WATCH
Underway @ 18 Nozzles - Mach. in operation - B-1+2, G-1+2, M-1, MC-2, S-2, ME-G, A-1, AC-1, AE-G, D-1+2, P-1+2, F-1+2, C-1, L-1, LC-1, & E-1 - Clnd. & chgd. F.O. burners & disch. str's - Routine Tests & inspects of mach & spaces - 1300 - Sec. Mn - Aux. Circ X Conn. - Aux. circ. on line - 1330 - AC unit 1 off - M.U.F. - Fwd & Aft E.R.'s - 6 tons

WATCH ENGR'S SIGNATURE - R. M. Whittaker 3RD A/E

1600-2000 WATCH
Underway 18 nozzles machinery Inoperation as before Cleaned & Cleaned F.O. Burners & suct. strainers. Blew Tubes on Port & stbd Boilers @ 1600. Pumped F.O. Sett. from #5 Deep Tk. Pumped Bilges. M.U.F. used in Fwd & Aft. Eng. Room 6.6 Tons.

WATCH ENGR'S SIGNATURE - F. Harris

2000-2400 WATCH
Underway 18 Nozz, Mach. as before Changed & cleaned F.O. Burners & disch. str's. Made routine rounds of insp. of Mach. & Mach. spaces inc. Steering Room. Pumped E.R. Bilges & Refer Boxes 0930 Ch. Eng in E.R. M.U.F. used in Fwd & AFT. Eng Rooms 4.9 Tons

WATCH ENGR'S SIGNATURE - Theo Flund

2400-0400 WATCH
Underway @ 18 Nozzles - Mach. as before - Clnd. & chgd. F.O. burners & disch. str's - Routine tests & inspects of mach & spaces - Complied with N/S orders - M.U.F. used Fwd & Aft E.R.'s - 5.7 tons

WATCH ENGR'S SIGNATURE - R. M. Whittaker 3RD A/E

0400-0800 WATCH
Underway 18 nozzles machinery Inoperation as before Changed & cleaned F.O. Burners & suct. strainers. Reduced speed from 18 nozzles to 4 40 RPM @ 0420 Lost fires in Boilers & main circ. cut. started Aux. Cond. Pump & Aux. Air Ejector. Up @ 0435. Main circ. Back on line. Pumped F.O. Sett. from #4 & F.O. Tk. Pumped Bilges M.U.F. used in Fwd & Aft Eng. Room 5.7 Tons.

WATCH ENGR'S SIGNATURE - F. Harris

0800-1200 WATCH
Underway 21 nozz, Mach. as before Changed & cleaned F.O. Burners & Disch. str. Made routine rounds of insp of Mach. spaces and machinery inc Steering Room Pumped E.R. Bilges, Holds & Refer boxes 0800 - 0830 Blew Tubes #1 & #2 Boilers 0910 Tested Fire & smoke alarm F/B, Changed & cleaned L.O. str's. #1 & #2 Turbo-Gen's, M.U. used Fwd & Aft E.R. 8.6 Tons

WATCH ENGR'S SIGNATURE - Theo Flund

CHIEF ENGINEER

#1	BLRS. #2	
8.76	P.ALK. 8.76	
12.85	T.ALK. 12.85	
2.49	CHL. 2.49	
30	PHOS. 30	
8.10	P.H. Cond. 8.10	
25	~~P.H.P.C.~~ S.O.3	28
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
6.99	F.S. 1217	
6.99	W.S. 1217	

CHIEF ENGR'S SIGNATURE - Mel Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Geo. Ephin Pass	12-2	Pakhand Pelf.	Latin Bay, P.I.	P2-S2-A2	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)	4748 8590	4751 1550	4753 6320	4756 0980	4758 5770	4760 8260
TOTAL REVOLUTIONS (FOR WATCH)	23030	22760	24770	24660	24790	22490
AVERAGE RPM	95.9	95.7	95.3	94.8	95.3	93.7
F.O. METER (END OF WATCH)	1430 7490	1431 0250	1431 3160	1431 6060	1431 8990	1432 1650
F.O. CONSUMED	2790	2760	2910	2900	2930	2660
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	27	27.5	27	27.5	23	27
VACUUM	27	27.1"	27.	27"	27.6"	27.7
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	2.0	2.0	1.5	1.5	1.5	2.0
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	9	7"	9	9	9"	10
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	705	705	705	710	705	700
L. P. EXHAUST	117	117	117	118	117	117
CONDENSATE	114	113	113	114	113	113
CIRC. WATER IN	84	84	85	85	84	84
CIRC. WATER OUT	96	96	96	98	96	96
L.O. TO COOLERS	126	125	125	125	126	126
L.O. FROM COOLERS	108	109	109	108	109	110
TEMPERATURE THRUST BEARING	116	117	118	115	116	116
FORWARD H.P. ROTOR BEARING	124	123	123	123	123	123
AFT. H.P. ROTOR BEARING	138	136	136	137	137	137
FORWARD L.P. ROTOR BEARING	135	135	135	135	135	135
AFT. L.P. ROTOR BEARING	129	130	135	129	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	155	153	150	152	152	150
	HOTTEST GEAR BEARING AFT	145	144	145	144	145	145
	AUX. COND. CONDENSATE	122/116	122/118	120/114	120/116	120/116	120/118
	1ST STAGE FEED WATER HEATER	167	167	166	169	168	166
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT P		690	710	645	685	710	685
SUPER HEAT S		685	710	700	700	710	710
F.O. TO BURNERS		190	190	190	190	190	190
AIR TO FURNACE P		145	145	145	145	145	144
AIR TO FURNACE S		135	135	134	134	135	134
F.O. TEMP. IN SETTLING TANKS P		105	115	115	114	100	112
F.O. TEMP. IN SETTLING TANKS S		110	114	110	110	95	95
PORT BOILER UPTAKE		330	330	335	345	355	317
STBD. BOILER UPTAKE		323	315	320	320	330	315
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE							
MAIN STEAM		450	450	450	450	450	450
F.O. TO BURNERS		180	180	180	180	160	170
MISCELLANEOUS – MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		106	107	106	107	107	107
FIRE ROOM TEMPERATURE		106	107	106	107	107	107
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		13.2	13.5	13.0	13.5	13.5	13.0
CO_2 % STBD. BOILER		13.0	13.5	13.0	13.5	13.5	13.5
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'7"	1'7"	1'7"	1'7"
HP Thrust		.050	.050	.050	.050	.050	.050
LP Thrust		.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	705	9.1	125	115	63	63	725	725	240
	2	1200	440	705	7.0	140	128	67	67	725	725	240
1600 TO 2000	1	1200	440	705	9	125	115		63	750	750	240
	2	1200	440	705	7	140	127		67	800	800	240
2000 TO 2400	1	1200	440	705	9	125	114		63	800	800	240
	2	1200	440	705	7	139	128		67	800	750	240
2400 TO 0400	1	1200	440	710	9	126	116		63	750	750	240
	2	1200	440	710	7	140	128		67	750	750	240
0400 TO 0800	1	1200	440	705	9	125	115		63	750	750	240
	2	1200	440	705	7	140	127		67	750	750	240
0800 TO 1200	1	1200	440	700	9	124	113		63	800	800	240
	2	1200	440	700	7	136	126		67	750	750	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1432/1650
	METER PREVIOUS NOON	1430/7490
	CONSUMED BY METER	16350
	ON HAND AT START OF DAY	7872
	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.)

25/72100

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% Gas
DETENTION TIME	—	BBL FUEL-MI	1.705
TOTAL REVOLUTIONS	142700	WIND DIRECTION	090° 5 KTS
AVERAGE R.P.M.	95.13/94.21	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 Nozzles - Mach. in operation - B-1&2, G-1&2, M-1, MC-2, S-2, ME-G, A-1, AC-1, AE-G, D-1&2, P-1&2, F-1&2, C-1, L-1, FS-1, LC-1, E-1, + A-Con - Clnd & chgd F.O. burners & disch str's - Routine tests & inspects of mach & spaces - Clnd & chgd MN L.O. strs - M.U.F. used Fwd. & Aft E.R.'s - 4.9 tons -

WATCH ENGR'S SIGNATURE - [signature] 3RD A/E

1600-2000 WATCH
Underway 18 nozzles machinery operation as before changed & cleaned F.O. Burners & suct. strainers. Blew Tubes on Port & stbd Boilers @ 1600. Pumped F.O. sett. room #4 & D.B. Tks. Pumped Bilges. M.U.F. used in Fwd & Aft. Eng Room 4.9 tons.

WATCH ENGR'S SIGNATURE - [signature]

2000-2400 WATCH
Underway 18 nozz - Mach. as before. Changed & cleaned F.O. Burners & Disch str's, Made routine rounds of Mach. & Mach spaces inc Steering Room Pump E.R. Bilges & Refer boxes. 2300 RETARDED Clock 20 MIN W/BRIDGE M.U. used Fd & Aft E.R. 3.0 Tons

WATCH ENGR'S SIGNATURE - [signature]

2400-0400 WATCH
Underway @ 18 Nozzles - Mach. as before - Clnd & chgd. F.O burners & disch. str's - Routine tests & inspects of mach. & spaces - Complied with N/S orders - 0100 - Retarded clock 20 mins - time chkd w/Bridge - M.U.F. used Fwd & Aft E.R's - 4.2 tons - 0303 - Z - Loss of fuel oil suct - Shift F.O. settlers - 0306 - Lit. fires under #1 & 2 boilers - 0312 - 18 Nozzles -

WATCH ENGR'S SIGNATURE - [signature] 3RD A/E

0400-0800 WATCH
Underway 18 Nozzles machinery operation as before. Changed & cleaned F.O. Burners & suct. strainers. Retarded clock 40 min @ 0420 Pumped F.O. Sett. room #4 & #5 D.B. Tks. #4 Empty. Pumped Bilges. Reduced speed from 18 to 16 nozzles @ 0700 W/Bridge. Added compound to #1 & #2 Boilers.

WATCH ENGR'S SIGNATURE - [signature]

0800-1200 WATCH
Underway 18 N033 Mach as before - 0800-0813 Blew Tubes #1 & #2 Boilers C/E Notified. 0900-0930 #1 & #2 Diesel Fire pumps Tested, 0850 Tested Fire & smoke Alarm W/Bridge 0920 increased RPM 16 to 18 N033 W/B. Changed & cleaned F.O. Burners & Disch. str's, Changed & cleaned L.O. str's #1 & #2 Turbo-Gen.s, Pumped E.R. Bilges, Holds & Refer Boxes, Made routine rounds of insp. of Mach. & Mach. spaces inc steering room. Elect. Reported W.T.D. #6-18-1 is Satisfactory. M.U.F used Fwd & Aft E.R. 5.3 Tons.

WATCH ENGR'S SIGNATURE - [signature]

CHIEF ENGINEER

#1	BLRS. #2	
9.93	P.ALK. 9.83	
14.60	T.ALK. 14.60	
3.31	CHL. 3.31	
40	PHOS. 40	
8.0	P.H. Conc.	8.0
45	~~P.H. D.C.~~	40
CHEMICALS ADDED		
30z.	ADJ. 30z.	
30z.	~~ADJ.~~ 30z.	
60z.	~~ADJ.~~ 60z.	
STEAMING HOURS		
724	F.S. 1247	
724.	W.S. 1247	

CHIEF ENGR'S SIGNATURE - [signature]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Lieut. John D. Page	12-B	Oakland, Calif	Subic Bay, P.I.	R2-S2-A2	5/16-17/68

	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	140	
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	4763 1190	4765 3470	4767 6390	4769 3750	4769 6650	
TOTAL REVOLUTIONS (FOR WATCH)	22930	22280	22920	17390	5270	
AVERAGE RPM	95.5	92.8	95.5	72.4	36.8	
F.O. METER (END OF WATCH)	1432 4410	1432 7090	1432 9820	1433 1690	1433 2570	1433 3140
F.O. CONSUMED	2760	2680	2730	1870	880	570
MACHINERY PARTICULARS — PRESSURES — THROTTLE	440	440	440		N	
H.P. AHEAD	440	440	440			
L.P. AHEAD	27.5	27.5	27.5			
VACUUM	27"	27.5"	27.5		28.0"	28.5
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	2.0	2.0	2.0	1.0	1.0	1.5
H.P. BLEEDER	70	70	70			
I.P. BLEEDER	6	6	6			
L.P. BLEEDER	10	7"	9	↓		
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	705	700	700	↓		
L. P. EXHAUST	120	121	120	↓		104
CONDENSATE	116	117	118	↓		90
CIRC. WATER IN	88	88	87	↓	86	86
CIRC. WATER OUT	100	101	100	↓		88
L.O. TO COOLERS	125	126	125	↓		109
L.O. FROM COOLERS	108	108	109	↓		105
TEMPERATURE THRUST BEARING	117	117	117	↓		
FORWARD H.P. ROTOR BEARING	124	124	124			
AFT. H.P. ROTOR BEARING	137	137	137			
FORWARD L.P. ROTOR BEARING	134	135	134			
AFT. L.P. ROTOR BEARING	129	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	152	150			
HOTTEST GEAR BEARING AFT	144	144	145			
AUX. COND. CONDENSATE	125/118	125/122	125/122			114/112
1ST STAGE FEED WATER HEATER	169	170	168			162
D. C. FEED WATER HEATER	240	240	240	240		240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT P	672	705	685			595
SUPER HEAT S	683	705	700			590
F.O. TO BURNERS	190	190	190	190	190	190
AIR TO FURNACE P	145	146	144	134	134	136
AIR TO FURNACE S	137	136	134	126	126	126
F.O. TEMP. IN SETTLING TANKS P	110	86	103		108	115
F.O. TEMP. IN SETTLING TANKS S	95	97	100		100	105
PORT BOILER UPTAKE	333	324	327			290
STBD. BOILER UPTAKE	332	324	330			240
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE						
MAIN STEAM	450	450	450	↓	450	
F.O. TO BURNERS	170	180	180	↓	110	110
MISCELLANEOUS — MAIN COND. SALINITY	.41	.41	.41	↓	.41	
ENGINE ROOM TEMPERATURE	109	101	105	↓	104	107
FIRE ROOM TEMPERATURE	109	101	105	↓	104	107
NOZZLES IN USE	18	18	18	↓		
NO. OF BURNERS IN USE P	3	3	3	↓	1	1
NO. OF BURNERS IN USE S	3	3	3	↓	1	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	13.5	13.2			
CO_2 % STBD. BOILER	13.5	13.5	13.0			
OIL LEVEL MAIN SUMP	1'7"	1'7"	1'7"		1'7"	1'6
HP Thrust	.050	.050	.050			
LP Thrust	.100	.100	.100			

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	705	9	128	117		63	750	750	240
	2	1200	440	705	7	140	128		67	750	750	240
1600 TO 2000	1	1200	440	700	9	128	117		63	750	750	240
	2	1200	440	700	7	142	128		67	750	750	240
2000 TO 2400	1	1200	440	700	9	125	116		63	700	700	240
	2	1200	440	700	7	140	128		67	650	650	240
2400 TO 0400	1											
		MANEUVERING										
0400 TO 0800	1	1200	440		9	125	115		63	650	650	240
	2	1200	440		7	140	126		67	650	650	240
0800 TO 1200	1	1200	440		9	124	112		63	600	600	240
	2	1200	440		7	136	126		67	650	650	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1433/140	BOILER WATER — ON HAND AT START OF DAY	330
	METER PREVIOUS NOON	1432/1650	BOILER WATER — EVAPORATED OR RECEIVED	
	CONSUMED BY METER	1190	BOILER WATER — ON HAND	342
	ON HAND AT START OF DAY	7075	BOILER WATER — CONSUMED	
	RECEIVED DURING DAY		LUBE OIL — ON HAND AT START OF DAY	1855
	EXPENDED DURING DAY		LUBE OIL — RECEIVED	
	REMAINING ON BOARD		LUBE OIL — ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	667	LUBE OIL — CONSUMED	
	EVAPORATED OR RECEIVED		DIESEL OIL — ON HAND	2067
	ON HAND	681	DIESEL OIL — RECEIVED	
	CONSUMED		DIESEL OIL — CONSUMED	

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

15 hrs

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME	18 1/2 280	PROPELLER SLIP (%)	22.5% [illegible]
DETENTION TIME	91 740	BBL FUEL/MI	1.992
TOTAL REVOLUTIONS	/	WIND DIRECTION	
AVERAGE R.P.M.	84.94/84.66	STATE OF SEA	
TOTAL MILES BY ENGINE	341	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	264		

REMARKS

1200-1600 WATCH
Underway @ 18 Nozzles - Mach. in operation - B-1&2, G-1&2, M-1, MC-2, S-2, ME-G, A-1, AC-1, AE-G, D-1&2, P-1&2, F-1&2, C-1, L-1, FS-1, LC-1, E-1, A-Con - Cl'nd & chgd. F.O. burners & disch. str's - Routine tests & inspects of mach & spaces - M.U.F. used Fwd. & Aft. E.R.'s - 5.3 Tons -

WATCH ENGR'S SIGNATURE- R.H. Whatley 3rd A/E

1600-2000 WATCH
Underway 18 nozzles machinery in operation as before changed & cleaned F.O. Burners & suct. strainers. Blow Tubes on B.T & stbd Boilers @ 1600. Pumped F.O. Sett. from #5 & #4 P.& D.B. Tks. #5 & D.B. Tk. Empty. Pumped Bilges. Heating steam on #4 P.D.B. Tk. Reduced speed from 18 to 16 nozzles @ 1916. B/C Bridge. Increased Speed to 16 nozzles @ 1935 & to 18 nozzles @ 1945. B/C Bridge

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH
Underway 18 nozz Mach. as before. Changed & cleaned F.O. Burners & Disch. str's. Made routine rounds of insp of Mach. & Mach. spaces inc. Steering room, Pumped E.R. Bilges & Refer boxes 2130 Ch. Eng in E.R. M.U. used Fwd & Aft E.R. 4.9 TONS
~~Changed & cleaned~~

WATCH ENGR'S SIGNATURE- Theo Lund

2400-0400 WATCH
Underway @ 18 Nozzles - Mach. as before - Cl'nd. & chgd F.O. burners & disch. str's - Routine tests & inspects of mach. & spaces - Complied with N/S orders - Cl'nd. & chgd. main L.O. str's - 0127 - Reduced speed to 10 nozzles - B/O/B - 0137 - 0305 - Ch. Eng. in E.R. - 0152 - Reduced speed to 60 RPM - B/O/B - 0233 - Reduced speed to 40 RPM B/O/B

WATCH ENGR'S SIGNATURE- R.H. Whatley 3rd A/E

0400-0800 WATCH
Underway machinery in operation as before. Reduced speed to 30 RPM @ 0412 B/O Bridge. 60 RPM @ 0525 & Time Checks ARRIVAL @ 0600. C+R. 47689600 Form - P-8918030 S-5414180. S.O.P. Detail @ 0630. Bells as per Bell Book. M.U.F. used Aft & Fwd 4.2 TONS. F.W.E. @ 0739. C+R. 47701640 Form - P-8918260 S-5414330. S.O. Stm. to Mn. Eng. @ 0740 Jacking Gear Engaged @ 0742.

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH
Moored at Alva-6 Pier Subic Bay P.I. Main Eng Turning by jacking gear #1 & 2 Boilers & #1 & 2 Turbo-Generators on line 0800 changed to high circ inj on Main changed & cleaned F.O. Burners & Disch. str's, Pumped E.R. Bilges & Refer boxes & holds. Made routine rounds of insp. of mach. & mach. spaces. Reported started Refueling & taking on water @ 0905, Mr Trow & Co. Repaired leaking balancing valve on Ahead Throttle changed & cleaned L.O. str's, #1 & #2 Turbo-Gen's.

WATCH ENGR'S SIGNATURE- Theo Lund

CHIEF ENGINEER

#1	BLRS. #2
9.93	P.ALK. 9.93
14.60	T.ALK. 14.60
3.31	CHL. 3.31
40	PHOS. 40
8.0	P.H. Cond. 8.0
40	~~P.H. O.C.~~ SOS. 40
CHEMICAL ADDED	
	ADJ.
	G.C.
	A.R.C.
STEAMING HOURS	
748	F.S. 1217
748	W.S. 1217

CHIEF ENGR'S SIGNATURE- H. S. Chandler

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
[illegible]	[illegible]	[illegible]	[illegible]	[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)						4772 1520
TOTAL REVOLUTIONS (FOR WATCH)						17880
AVERAGE RPM						85.0
F.O. METER (END OF WATCH)	1433 3670	1433 4370	1433 4960	1433 5560	1433 6160	1433 8550
F.O. CONSUMED	530	700	590	600	600	2390
MACHINERY PARTICULARS – PRESSURES – THROTTLE						435
H.P. AHEAD						435
L.P. AHEAD						28
VACUUM	28.5"	28.5"	28.5	28.5	28.6"	27.0
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	102	150	150	120	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.5	1.5	1.5	1.5	1.0	1.5
H.P. BLEEDER						76
I.P. BLEEDER						6
L.P. BLEEDER						9
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						705
L. P. EXHAUST	95	95	95	94	94	122
CONDENSATE	88	92	92	90	92	118
CIRC. WATER IN	88	87	87	81	87	88
CIRC. WATER OUT	89	88	88	88	88	102
L.O. TO COOLERS	98	102	102	102	108	130
L.O. FROM COOLERS	97	101	100	100	106	110
TEMPERATURE THRUST BEARING						116
FORWARD H.P. ROTOR BEARING						130
AFT. H.P. ROTOR BEARING						140
FORWARD L.P. ROTOR BEARING						136
AFT. L.P. ROTOR BEARING						140

		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						158
	HOTTEST GEAR BEARING AFT						145
	AUX. COND. CONDENSATE	138/120	129/132	125/124	120/128	116/112	120/120
	1ST STAGE FEED WATER HEATER	104		104	104	104	168
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	SUPER HEAT P	600		620	625	625	690
	SUPER HEAT S	590		610	615	625	695
	F.O. TO BURNERS	190	186	190	190	190	190
	AIR TO FURNACE P	135	132	132	132	134	142
	AIR TO FURNACE S	124	122	120	120	124	132
	F.O. TEMP. IN SETTLING TANKS P	115	102	104	105	108	104
	F.O. TEMP. IN SETTLING TANKS S	105	100	104	105	102	100
	PORT BOILER UPTAKE	289	285	285	290	290	320
	STBD. BOILER UPTAKE	292	290	295	295	300	325
BOILER PARTICULARS – PRESSURES	F. D. BACK PRESSURE						
	MAIN STEAM						440
	F.O. TO BURNERS						180
MISCELLANEOUS	MAIN COND. SALINITY						.41
	ENGINE ROOM TEMPERATURE	106	105	102	100	102	107
	FIRE ROOM TEMPERATURE	106	105	102	100	102	107
	NOZZLES IN USE						18
	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						13.0
	CO_2 % STBD. BOILER						13.2
	OIL LEVEL MAIN SUMP	1'6"	1'6"	1'6"	1'6"	1'6"	1'7"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440		9	125	115		63	650	650	240
	2	1200	440		7	140	126		67	650	650	240
1600 TO 2000	1	1200	440		9	124	116		63	550	550	240
	2	1200	440		7	140	126		67	550	550	240
2000 TO 2400	1	1200	440		9	125	115		63	550	550	240
	2	1200	440		7	140	126		67	600	600	240
2400 TO 0400	1	1200	440		9	124	116		63	550	550	240
	2	1200	440		7	140	124		67	550	550	240
0400 TO 0800	1	1200	440		9	124	113		63	600	600	240
	2	1200	440		7	140	125		67	600	600	240
0800 TO 1200	1	1200	440		9	125	115		63	700	700	240
	2	1200	440		7	140	126		67	700	700	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	14338550	BOILER WATER – ON HAND AT START OF DAY	340
	METER PREVIOUS NOON	14333140	BOILER WATER – EVAPORATED OR RECEIVED	
	CONSUMED BY METER	5410	BOILER WATER – ON HAND	316
	ON HAND AT START OF DAY	7689	BOILER WATER – CONSUMED	24
	RECEIVED DURING DAY	11590	LUBE OIL – ON HAND AT START OF DAY	1855
	EXPENDED DURING DAY	248	LUBE OIL – RECEIVED	—
	REMAINING ON BOARD	19031	LUBE OIL – ON HAND	1818
DOMESTIC WATER	ON HAND AT START OF DAY	681	LUBE OIL – CONSUMED	—
	EVAPORATED OR RECEIVED	552	DIESEL OIL – ON HAND	2067
	ON HAND	1084	DIESEL OIL – RECEIVED	2026
	CONSUMED	80	DIESEL OIL – CONSUMED	21

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

3 / 1400

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	03:5/210	PROPELLER SLIP (%)	3.1% [illegible]
DETENTION TIME		BBL FUEL/MI	1.63
TOTAL REVOLUTIONS	17880	WIND DIRECTION	[illegible]
AVERAGE R.P.M.	85.1	STATE OF SEA	Smooth
TOTAL MILES BY ENGINE	64	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	62		

REMARKS

1200-1600 WATCH Moored At Alva-6 Pier - Subic Bay, P.I. - Mn. Unit on, Ack. gear - Mach. in operation - B-1&2, G-1&2, M-1, MC-2, ME-G, AE-G-D-1+2, P-1&2, F-1&2, C-1, L-1, LC-1, FS-1, & A.Con. - Routine tests & inspect. of mach. & spaces - M.U.F. used Fwd & Aft. E.R.'s - Tons

WATCH ENGR'S SIGNATURE- R.V. Wheatley 3rd A/E

1600-2000 WATCH Port watch, maintaining Inspection as before. Changed & cleaned F.O. Burners & suct strainers.

WATCH ENGR'S SIGNATURE- E. Kurz

2000-2400 WATCH Port watch - Mach. as before, Changed & cleaned F.O. Burners & Disch. str's, Pumped E.R. Bilges & Refer box, Made routine rounds of insp. of Mach. & Mach. Spaces Oiler Griggs did not report for this watch.

J/E Mr Grow, Oiler Longacre, F/W Thomas

WATCH ENGR'S SIGNATURE- Theo J. Lund

2400-0400 WATCH Port watch - Mach. as before, Pumped E.R. Bilges Made routine rounds of insp of mach. & mach. spaces, 3rd/E Wheatly did not report for this watch.

J/E Trapp, Oiler Longacre, F/W Riggs.

WATCH ENGR'S SIGNATURE- Theo J. Lund

0400-0800 WATCH Port watch maintaining Inspection as before. Changed & cleaned F.O. Burners & suct. strainers. Pumped Po. Satt. from #4 P.D.B.T. Permission Granted to Bell Eng. stbd TG ind. unit Zeolite Cont. out @ 0700. Rolling same @ 0700. M.U.F. used Fwd & Aft Eng. Rooms 5.3 Tons. Stby @ 0742. CTR. 47701860 FOM P-8920290 - FOM S-5415890

WATCH ENGR'S SIGNATURE- E. Kurz

0800-1200 WATCH Preparing E.R. to get underway Ready to recieve Bell's. Dept @ 0830, 18 No 33 CTR 47703640, FOM P-8920410 FOM. S 5416010, Changed & cleaned F.O. Disch str's & Burners Pumped E.R. Bilge & Refer boxes 0900-0930 Blew Tubes #1&2 Boilers C/E Notified 0915 #1 L.P. Evap put in service 0800-0815 Ch Eng in E.R. M.U. used Fwd & Aft E.R. 5.3 Tons Bells per Bell Book.

WATCH ENGR'S SIGNATURE- Theo J. Lund

CHIEF ENGINEER Received 1590 bbls. Navy Special fuel oil from NSD Subic Bay Tank #43; Gravity 20.3; Flash point 196; Viscosity 175.4; B.S.&W. 0.10.

#1	BLRS. #2
9.93	P.ALK. 9.93
14.66	T.ALK. 14.66
3.31	CHL. 3.31
4.4	PHOS. 4.4
8.6	P.H. Cond. 8.6
40	P.H.D.C. 40

CHEMICALS ADDED

	A.O.J.
	G.C.
	A.R.C.

STEAMING HOURS

722	F.S. 1295
722	W.S. 1295

CHIEF ENGR'S SIGNATURE- W. S. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Lewis Fabri Tow	12-E	Lake Charles, La	Yang Tze, Saigon	YTB-22-22	5/18-19/68

	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)	4774 6680	4776 7440	4779 0230	4781 3100	4783 5670	4785 7580
TOTAL REVOLUTIONS (FOR WATCH)	23160	22760	22790	22870	22570	21910
AVERAGE RPM	96.5	94.8	95.0	95.6	94.0	91.3
F.O. METER (END OF WATCH)	1434 1380	1434 4190	1434 7000	1434 9790	1435 2560	1435 5150
F.O. CONSUMED	2830	2810	2810	2790	2770	2590
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	28.5	28	26	25.8	22	22
VACUUM	27.0	27.0"	27.0	27.0	27.4"	27.4
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	2.0	2.0	2.0	2.0	1.0	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	9	7"	8	8	8"	10
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	705	705	705	710	705	710
L. P. EXHAUST	122	122	118	118	117	115
CONDENSATE	120	120	116	115	115	112
CIRC. WATER IN	88	88	89	87	87	87
CIRC. WATER OUT	101	102	100	98	98	98
L.O. TO COOLERS	125	126	125	124	124	123
L.O. FROM COOLERS	108	110	109	107	107	107
TEMPERATURE THRUST BEARING	115	117	117	115	115	115
FORWARD H.P. ROTOR BEARING	125	125	127	123	124	124
AFT. H.P. ROTOR BEARING	137	136	134	135	135	135
FORWARD L.P. ROTOR BEARING	133	134	134	133	134	132
AFT. L.P. ROTOR BEARING	132	130	128	128	130	127

	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	155	153	153	152	153	148
HOTTEST GEAR BEARING AFT	143	142	144	143	144	144
AUX. COND. CONDENSATE	125/120	125/120	125/120	125/119	125/120	125/120
1ST STAGE FEED WATER HEATER	170	170	169	170	168	165
D. C. FEED WATER HEATER	240	240	240	240	240	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT P	690	710	695	683	710	700
SUPER HEAT S	682	710	685	685	710	695
F.O. TO BURNERS	190	190	190	190	190	190
AIR TO FURNACE P	147	147	147	145	145	144
AIR TO FURNACE S	137	136	136	134	135	134
F.O. TEMP. IN SETTLING TANKS P	108	104	105	105	112	112
F.O. TEMP. IN SETTLING TANKS S	100	98	100	100	100	100
PORT BOILER UPTAKE	332	322	335	350	347	316
STBD. BOILER UPTAKE	313	318	330	342	344	316
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE						
MAIN STEAM	450	450	450	450	450	450
F.O. TO BURNERS	180	180	180	180	160	160
MISCELLANEOUS – MAIN COND. SALINITY	.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE	109	108	107	106		107
FIRE ROOM TEMPERATURE	109	108	107	106		107
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	13.5	13.5	13.5	13.5	13.5	13.0
CO_2 % STBD. BOILER	13.5	13.5	13.5	13.5	13.5	13.0
OIL LEVEL MAIN SUMP	1'7"	1'7"	1'7"	1'7"	1'7"	1'7"
HP Thrust	.050	.052	.050	.050	.050	.050
LP Thrust	.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	705	9	128	117		63	650	650	240
	2	1200	440	705	7	142	129		67	650	650	240
1600 TO 2000	1	1200	440	705	9	129	118		63	700	700	240
	2	1200	440	705	7	142	130		67	700	700	240
2000 TO 2400	1	1200	440	705	9	126	116		63	700	700	240
	2	1200	440	705	7	142	130		67	650	650	240
2400 TO 0400	1	1200	440	710	9	127	117		63	700	700	240
	2	1200	440	710	7	141	130		67	700	700	240
0400 TO 0800	1	1200	440	705	9	126	116		63	750	750	240
	2	1200	440	705	7	142	128		67	750	750	240
0800 TO 1200	1	1200	440	710	9	126	116		63	700	700	240
	2	1200	440	710	7	140	128		67	700	650	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	14355150	BOILER WATER – ON HAND AT START OF DAY	316
	METER PREVIOUS NOON	14338550	EVAPORATED OR RECEIVED	14
	CONSUMED BY METER	16600	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	5046
	ON HAND	1103	RECEIVED	
	CONSUMED	153	CONSUMED	

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)
24/50200

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% prop.
DETENTION TIME	—	BBL FUEL/MI	1.770
TOTAL REVOLUTIONS	136060	WIND DIRECTION	215°-15K
AVERAGE R.P.M.	94.5/93.2	STATE OF SEA	215°-2'
TOTAL MILES BY ENGINE	301	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	440		

REMARKS

1200-1600 WATCH
Underway @ 18 Nozzles - Mach. in operation - B-1+2, G-1+2, M-1, MC-2, S-2, ME-G, A-1, AC-1, AE-G, D-1+2, P-1+2, F-1+2, C-1, L-1, FS-1, LC-1, E-1, & A-Con - Clnd & chgd. F.O. burners & disch strs - Routine Tests & inspects of mach. & spaces - Clnd & chgd. main unit L.O. strs - Clnd #1 L.O. purifier - M.U.F. used Fwd & Aft E.R's - 7.1 tons -

WATCH ENGR'S SIGNATURE - R. M. Lowenthal 3RD A/E

1600-2000 WATCH
Underway 18 nozzles machinery Inspection as before Changed & Cleaned F.O. Burner & suct. strainer. Blow Tubes on Port & stbd Blrs. @ 1600. Pumped F.O. sett. from #9 & D.B. Tk. Pumped Bilges. M.U.F. used in Fwd. & Aft. Eng. Room 5.7 tons.

WATCH ENGR'S SIGNATURE - L. Harris

2000-2400 WATCH
Underway 18 nozz, Mach. as before, Changed & cleaned F.O. Burners & Disch strs, made routine rounds of insp of mach. & mach spaces inc. steering room, Pumped E.R. Bilges & Refer boxes. Blower applied to Hot Line Bearing in Refer flat 21:45 Ch. Eng in E.R. M.U. Used Fwd & Aft E.R. 3.8 tons 20:00 #2 L.P. Evap put on Line drains Fwd

WATCH ENGR'S SIGNATURE - Theo Lund

2400-0400 WATCH
Underway @ 18 Nozzles - Mach as before - Clnd. & chgd F.O. burners & disch strs - Routine Tests & inspects of mach. & spaces - Complied with N/S orders - M.U.F. used Fwd & Aft E.R's - 5.3 tons -

WATCH ENGR'S SIGNATURE - R. M. Lowenthal 3RD A/E

0400-0800 WATCH
Underway 18 nozzles machinery Inspection as before Changed & Cleaned F.O. Burners & suct. strainers. Pumped F.O. sett. tanks #9 & D.B. Tk. Pumped Bilges. Reduced speed from 18 to 16 nozzles @ 0700 B/O Bridge. M.U.F. used in Fwd & Aft. Eng Room 4.2 tons.

WATCH ENGR'S SIGNATURE - L. Harris

0800-1200 WATCH
Underway 16 Nozz Mach. as before 0800-0830 Blow Tubes #1+2 Boilers C/E Notified Made routine rounds of insp. of Mach. & mach. spaces inc Steering room. Pumped E.R. Bilges & Refer boxes M.U. Feed. Fwd & Aft E.R. 5.3 tons Changed & cleaned L.O. strs, #1+2 Turbo Gen's.

WATCH ENGR'S SIGNATURE - Theo Lund

CHIEF ENGINEER

#1	BLRS. #2	
9.93	P.ALK. 9.93	
14.60	T.ALK. 14.60	
3.73	CHL. 3.73	
40	PHOS. 40	
8.0	P.H Cond.	8.0
40	~~PHOS~~ SO3	40
CHEMICAL ADDED		
	ACU.	
	G.C.	
	A.R.C	
STEAMING HOURS		
296	F.S. 1319	
296	W.S. 1319	

CHIEF ENGR'S SIGNATURE - Fred L. Blanchfield

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Leonard Fisher Tyree	12-6	Sulphur Bay T.I.	Long Beach California	12-22-82	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	
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	4787 9310	4790 1130	4792 3160	4794 4470	4795 9910	
TOTAL REVOLUTIONS (FOR WATCH)	21730	21820	22030	21310	15440	
AVERAGE RPM	90.5	90.9	91.8	88.7	64.3	
F.O. METER (END OF WATCH)	1435 7690	1436 0290	1436 2870	1436 5340	1436 6820	1436 7700
F.O. CONSUMED	2540	2600	2580	2470	1480	880
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	440	440	440	440	
H.P. AHEAD	440	440	440	440	440	
L.P. AHEAD	22	22	23	17	15	
VACUUM	27.4"	27.4"	27.3	27.4	28.2"	28.5
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	152	150	150	152	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.5	1.5	1.5	2.0	2.0	3.6
H.P. BLEEDER	70	70	70	70	–	–
I.P. BLEEDER	6	6	6	6	–	–
L.P. BLEEDER	10	10"	10	10	–	–
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	710	705	705	675		
L. P. EXHAUST	115	115	116	115	110	130
CONDENSATE	113	113	113	112	102	92
CIRC. WATER IN	88	87	87	86	87	88
CIRC. WATER OUT	98	97	98	96	93	90
L.O. TO COOLERS	124	124	123	124	118	102
L.O. FROM COOLERS	108	108	108	108	108	100
TEMPERATURE THRUST BEARING	115	115	115	114	114	
FORWARD H.P. ROTOR BEARING	124	123	124	124	119	
AFT. H.P. ROTOR BEARING	134	134	134	135	127	
FORWARD L.P. ROTOR BEARING	132	132	132	132	129	
AFT. L.P. ROTOR BEARING	128	128	128	128	125	

		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	148	153	137	
HOTTEST GEAR BEARING AFT		142	142	142	142	133	
AUX. COND. CONDENSATE		125/119	125/120	125/120	124/115	120/116	120/116
1ST STAGE FEED WATER HEATER		167	166	167	167	166	164
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	P	690	710	685	682		595
	S	695	710	695	682		595
F.O. TO BURNERS		190	190	190	190	190	190
AIR TO FURNACE	P	144	144	145	143	140	136
	S	134	136	133	131	128	124
F.O. TEMP. IN SETTLING TANKS	P	110	104	106	105	104	110
	S	100	98	100	100	100	102
PORT BOILER UPTAKE		318	316	326	342	288	280
STBD. BOILER UPTAKE		320	318	316	320	288	280
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE							
MAIN STEAM		450	450	450	450	450	450
F.O. TO BURNERS		160	150	160	220	130	120
MISCELLANEOUS – MAIN COND. SALINITY		.41	.41	.41	.41	.41	
ENGINE ROOM TEMPERATURE		108	106	106	105	103	106
FIRE ROOM TEMPERATURE		108	106	106	105	103	106
NOZZLES IN USE		16	16	16	THROT.	70 RPM	
NO. OF BURNERS IN USE	P	3	3	3	2	2	1
	S	3	3	3	2	2	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	51/55	51/55
CO_2 % PORT BOILER		13.5	13.5	13.5	13.5	13.0	
CO_2 % STBD. BOILER		13.5	13.5	13.5	13.5	13.0	
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'7"	1'7"	1'7"	1'6"
HP THRUST		.050	.050	.050	.050	.050	
LP THRUST		.100	.100	.100	.100	.100	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	710	9	127	117		63	750	750	240
	2	1200	440	710	7	141	129		67	750	750	240
1600 TO 2000	1	1200	440	705	9	127	117		63	700	700	240
	2	1200	440	705	7	141	128		67	700	700	240
2000 TO 2400	1	1200	440	705	9	126	116		63	750	750	240
	2	1200	440	705	7	140	126		67	750	750	240
2400 TO 0400	1	1200	440	675	9	126	115		63	750	750	240
	2	1200	440	675	7	140	128		67	750	750	240
0400 TO 0800	1	1200	440		9	124	116		63	675	675	240
	2	1200	440		7	140	129		67	650	650	240
0600 TO 1200	1	1200	440		9	125	115		63	650	650	240
	2	1200	440		7	138	128		67	600	600	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1436 7700	BOILER WATER	ON HAND AT START OF DAY	294
	METER PREVIOUS NOON	1435 5150		EVAPORATED OR RECEIVED	50
	CONSUMED BY METER	12550		ON HAND	3[illegible]
	ON HAND AT START OF DAY	18252		CONSUMED	[illegible]
	RECEIVED DURING DAY	—	LUBE OIL	ON HAND AT START OF DAY	1918
	EXPENDED DURING DAY	574		RECEIVED	—
	REMAINING ON BOARD	17678		ON HAND	—
DOMESTIC WATER	ON HAND AT START OF DAY	1103		CONSUMED	—
	EVAPORATED OR RECEIVED	151	DIESEL OIL	ON HAND	2046
	ON HAND	1049		RECEIVED	—
	CONSUMED	165		CONSUMED	—

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

24 54,000

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	20/1200	PROPELLER SLIP (%)	15.4 [illegible]
DETENTION TIME	103680	BBL FUEL/MI	1,700
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.	86.4/85.10	STATE OF SEA	
TOTAL MILES BY ENGINE	321	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	222		

REMARKS

1200-1600 WATCH
Underway @ 16 Nozzles. Mach. in operation - B-1&2, G-1&2, M-1, MC-2, S-1, ME-G, A-1, AC-1, AE-G, D-1&2, P-1&2, F-1&2, C-1, L-1, FS-1, LC-1, E-1, & A-Con - Clnd & chgd. F.O. burners & disch. str's - Routine tests & inspects of mach & spaces - M.U.F. used Fwd. & Aft E.R.'s - 4.9 Tons -

WATCH ENGR'S SIGNATURE - R. M. Whatley 3RD A/E

1600-2000 WATCH
Underway 18 Nozzles machinery Employation as Before Changed & cleaned F.O. Burners & suct. strainers. Blew Tubes on Port & stbd. Boilers @ 1600. Pumped F.O. suct. from #9 & + #8 P/s D.B. Tks. #9 & Mt. M.U.F. used in Fwd. & Aft. Eng. Room. 4.5 Tons. Pumped Bilges.

WATCH ENGR'S SIGNATURE - L. Harris

2000-2400 WATCH
Underway 16 Nozz. Machines before, Changed & Cleaned F.O. Burners & Disch str's, Made routine rounds of insp of mach & Mach. spaces inc Steering Room. Pumped E.R. Bilges - Holds & Refer boxes M.U. FEED USED Fwd & AFT E.R. 3.8 TONS

WATCH ENGR'S SIGNATURE - Theo F. Lund

2400-0400 WATCH
Underway @ 16 Nozzles - Mach as before - Clnd. & chgd. F.O. burners & str's - Routine tests & inspects of mach & spaces - Complied with N/S orders - 0015 - 0030 - Conducted Eng Casualty Dr. 11-E-3 (4 men) Bridge notified - 0230 - Reduced speed to 10 Nozzles B/O/B - M.U.F. used Fwd. & Aft E.R.'s - 5.7 Tons -

WATCH ENGR'S SIGNATURE - R. M. Whatley 3RD A/E

0400-0800 WATCH
Underway 10 Nozzles machinery Employation as Before Changed & Cleaned F.O. Burners & suct. strainers. Pumped F.O. suct. from #8 P/s F.O. Tks. Reduced speed from 10 Nozz/s to 60 RPM @ 0622 40 RPM @ 0630 B/o Bridge. Increased speed to 50 RPM @ 0610 to 60 RPM @ 0625 to 70 RPM @ 0633 B/o Bridge. #1 & #2 Evaps. making Blr. Feed water @ 0700. Pumped Bilges. Time check @ 0500. M.U.F. used Fwd & Aft. Eng Rm. 4.2 Tons.

WATCH ENGR'S SIGNATURE - L. Harris

0800-1200 WATCH
08:00 Arrival CTR 47961260 P-FOM 8936150 S-FOM. 5430860 FWE 09:31 - CTR-47964540 P.F.O.M. 8936370 S.F.O.M 5431050 09:32 Secured Main & Blkh Stops on #1 - #2 Boilers 09:33 Main Eng. Turning by Jacking gear. @ 1030 MU Used Fwd & AFT E.R. 5.3 Tons 10:30 Secured #2 L.P. Evap. Changed & cleaned F.O. Disch. str's; 08:00 - 09:30 Ch Eng in E.R. Pumping E.R. Bilges Holds & Refer boxes,

WATCH ENGR'S SIGNATURE - Theo F. Lund

CHIEF ENGINEER

#1	BLRS. #2	
9.53	P.ALK.	9.53
14.60	T.ALK.	14.60
3.73	CHL.	3.73
40	PHOS.	40
8.0	P.H. Cond.	8.0
40	SO3	40

CHEMICALS USED

	ADJ.	
	G.C.	
	A.R.C	

STEAMING HOURS

820	F.S. 1343	
820	W.S. 1343	

CHIEF ENGR'S SIGNATURE - W. S. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Sgt. John Ryan	12 D	Pusan, Korea		[illegible]	5-20-21 [illegible]

MACHINERY PARTICULARS

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						30
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						4796 8000
TOTAL REVOLUTIONS (FOR WATCH)						1770
AVERAGE RPM						59.0
F.O. METER (END OF WATCH)	1436 8310	1436 8520	1436 9670	1437 0410	1437 1180	1437 2010
F.O. CONSUMED	610	610	750	740	770	830
PRESSURES — THROTTLE						
PRESSURES — H.P. AHEAD						
PRESSURES — L.P. AHEAD						
PRESSURES — VACUUM	28.5	28.5	28.3	28.3		28.2
PRESSURES — L.O. TO TURBINES	12	12	12	12	12	12
PRESSURES — AUX. STEAM	150	150	150	150	150	150
PRESSURES — BACK PRESSURE	10	10	10	10	10	10
PRESSURES — GLAND STEAM	2.0	1.5	1.5	1.5	1.5	2.0
PRESSURES — H.P. BLEEDER						
PRESSURES — I.P. BLEEDER						
PRESSURES — L.P. BLEEDER						
TEMPERATURES — STEAM AT THROTTLE						
TEMPERATURES — L. P. EXHAUST	112	100	95	100	112	102
TEMPERATURES — CONDENSATE	93	94	94	94	97	93
TEMPERATURES — CIRC. WATER IN	89	89	89	89	90	89
TEMPERATURES — CIRC. WATER OUT	90	90	92	90	92	92
TEMPERATURES — L.O. TO COOLERS	107	107	112	110	110	108
TEMPERATURES — L.O. FROM COOLERS	105	105	110	108	108	106
TEMPERATURES — TEMPERATURE THRUST BEARING						
TEMPERATURES — FORWARD H.P. ROTOR BEARING						
TEMPERATURES — AFT. H.P. ROTOR BEARING						
TEMPERATURES — FORWARD L.P. ROTOR BEARING						
TEMPERATURES — AFT. L.P. ROTOR BEARING						

MACH. PARTICULARS (CONT'D) — TEMPERATURES (CONT'D)

	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	121/116	140/140	140/135	124/125	125/126	122/116
1ST STAGE FEED WATER HEATER	110	110	107	115	114	108
D. C. FEED WATER HEATER	240	240	240	240	240	240
3RD STAGE FEED WATER HEATER						

BOILER PARTICULARS — TEMPERATURES

		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
SUPER HEAT	P	648	635	590	590	590	590
SUPER HEAT	S	648	630	590	600	585	595
F.O. TO BURNERS		190	190	190	190	190	190
AIR TO FURNACE	P	139	136	136	135	135	134
AIR TO FURNACE	S	126	126	123	122	123	123
F.O. TEMP. IN SETTLING TANKS	P	108	100	103	102	107	105
F.O. TEMP. IN SETTLING TANKS	S	98	100	100	98	100	100
PORT BOILER UPTAKE		286	285	285	285	277	284
STBD. BOILER UPTAKE		285	285	280	280	280	280

BOILER PARTICULARS — PRESSURES

	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
F. O. BACK PRESSURE						
MAIN STEAM	450	450	450	450	450	450
F.O. TO BURNERS	110	150	150	140	140	140

MISCELLANEOUS

		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		108	108	106	106	105	106
FIRE ROOM TEMPERATURE		108	108	106	106	105	106
NOZZLES IN USE							
NO. OF BURNERS IN USE	P	1	1	1	1	1	
NO. OF BURNERS IN USE	S	1	1	1	1	1	
BURNER TIP SIZE	P	51/55	51/55	51/55	51/55	51/53	
BURNER TIP SIZE	S	51/55	51/55	51/55	51/55	51/53	
CO_2 % PORT BOILER		13.5					
CO_2 % STBD. BOILER		13.5					
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'7"	1'7"	1'7"	1'7"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440		9	127	117		63	650	650	240
	2	1200	440		7	140	128		67	650	650	240
1600 TO 2000	1	1200	440		9	128	117		63	1250	1250	240
	2	1200	440		7	141	128		67	1250	1250	240
2000 TO 2400	1	1200	440		9	127	117		63	1250	1250	240
	2	1200	440		7	142	130		67	1250	1250	240
2400 TO 0400	1	1200	440		9	128	118		63	1250	1250	240
	2	1200	440		7	142	130		67	1250	1250	240
0400 TO 0800	1	1200	440		9	128	118		63	1200	1200	240
	2	1200	440		7	142	130		67	1200	1200	240
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1437 2010
FUEL OIL	METER PREVIOUS NOON	1436 7700
FUEL OIL	CONSUMED BY METER	4310
FUEL OIL	ON HAND AT START OF DAY	17575
FUEL OIL	RECEIVED DURING DAY	—
FUEL OIL	EXPENDED DURING DAY	161
FUEL OIL	REMAINING ON BOARD	17517
DOMESTIC WATER	ON HAND AT START OF DAY	1089
DOMESTIC WATER	EVAPORATED OR RECEIVED	—
DOMESTIC WATER	ON HAND	931
DOMESTIC WATER	CONSUMED	158
BOILER WATER	ON HAND AT START OF DAY	313
BOILER WATER	EVAPORATED OR RECEIVED	—
BOILER WATER	ON HAND	296
BOILER WATER	CONSUMED	17
LUBE OIL	ON HAND AT START OF DAY	175
LUBE OIL	RECEIVED	—
LUBE OIL	ON HAND	—
LUBE OIL	CONSUMED	—
DIESEL OIL	ON HAND	2045
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	0:00:30	PROPELLER SLIP (%)	
DETENTION TIME	—	BBL FUEL/MI	
TOTAL REVOLUTIONS	1200	WIND DIRECTION	
AVERAGE R.P.M.	43.3	STATE OF SEA	
TOTAL MILES BY ENGINE	3.67	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH At Anchor, Vung Tau, Vietnam - Mach. in operation - B-1+2, G-1+2, M-1, MC-2, ME-G, A-1, AC-1, AE-G, D-1+2, P-1+2, F-1+2, C-1, L-1, FS-1, LC-1, & A-Con - Mn. Eng on jack. gear - Routine Tests & inspects of mach & spaces - 1435 - A-Con unit tripped out - Circ tripped out to unit - 1450 - A-Con reset on throttle, circ. & on bd - M.U.F. used Fwd & Aft E.R.'s - 3.8 Tons -

WATCH ENGR'S SIGNATURE- R. W. Whatley 3RD A/E

1600-2000 WATCH Port watch machinery Inoperation as before changed & cleaned Fo Burners & shot stainers. Pumped Fo - Sett. Tanks #8 P/S D.B. Tks. Same mt. Pump Fwd Holds. & Eng. Room Bilges Duty Elect. on watch YEE. M.U.F. used in Fwd & Aft Eng. Room 5.? Tons. Fwd & Aft Eng. Room Aux. stm. Tied together.

WATCH ENGR'S SIGNATURE- E. Harris

2000-2400 WATCH Port watch, Mach. as before, Changed & cleaned F.O. Burners & Disch STVs, Duty Elect YEE on watch. Made routine Rounds of insp. of Mach. & Mach. Spaces Pumped E.R. Bilges, Holds & Refer Boxes. MU used Fwd & Aft ER 4.2 Tons

WATCH ENGR'S SIGNATURE- Theo F. Lund

2400-0400 WATCH Port Watch - Mach as before - Clnd. & chgd. F.O. burners & disch str's - Routine Tests & inspects of mach. & spaces - Complied with N/S orders - M.U.F. used Fwd & Aft E.R.'s - 4.9 Tons -

WATCH ENGR'S SIGNATURE- R. W. Whatley 3RD A/E

0400-0800 WATCH Port watch machinery Inoperation as before changed & cleaned Fo. Burner + Sett. stainers. Held Eng. Casualty Drill E-3 from 0500 to 0520 4 men Passart. Bilge Notified. Pumped Bilges M.U.F. used in Aft + Fwd Eng. Room 2.3 Tons.

WATCH ENGR'S SIGNATURE- E. Harris

0800-1200 WATCH Preparing E.R. to get underway 08:50 Transferred Elect Load 1/3 Fwd 2/3 AFT. 08:30-0900 Held Eng. casualty Drill, E-3 4 MEN present "High salinity in Boilers" B/Notified 0920 Checked clock W/B 09:25 obtained wheel clearance, 0932 Tested E.R. Teleg W/B. Pumped E.R. Bilges, Holds + Reefer boxes, ~~1015 Steam on M~~ 10:12 Jacking gear on M.E. Disconnected 10:15 Steam on M.E. 1035 special sea Detail, 10:39 Sty - CTR 47964800, F.O.M. P-8938640, F.O.M. S-5433120, 11:30 Departure CTR 47966700 F.O.M. P-8938770 F.O.M. S-5433240 60 R.P.M. Bells per Bell Book. S.S.D. Secured @ 1130 WATCH ENGR'S SIGNATURE- Theo F. Lund

CHIEF ENGINEER M.U.E. Used Fwd & Aft E.R. 3.7 Tons

Astern Clearance readings, P. 4.60; S. 4.90

#1	BLRS. #2	
9.34	P.ALK.	9.93
14.02	T.ALK.	14.10
3.23	CHL.	3.23
30	PHOS.	40
8.0	P.H Conc.	8.0
40	~~P.H Sec.~~ SO3	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
844	F.S. 1367	
844	W.S. 1367	

CHIEF ENGR'S SIGNATURE- Jos. E. Chamberlain

A-3554

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Geo. Fulton Fryer	12-D	Pang Tau, Vietnam	Pearl Harbor	12-[illegible]-RE	5/2[illegible]-22, 67

	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	170	
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	4798 1200	4799 5480	4800 6850	4801 6520	4802 4150	
TOTAL REVOLUTIONS (FOR WATCH)	13200	14280	11370	9670	7630	
AVERAGE RPM	60.0	59.5	47.0	40.2	44.9	
F.O. METER (END OF WATCH)	1437 3370	1437 4746	1437 5890	1437 6890	1437 7960	1437 8680
F.O. CONSUMED	1360	1370	1150	1000	1070	720
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	450	450			
H.P. AHEAD	200	200	180			
L.P. AHEAD	5"	5"	13"			
VACUUM	28"	28.3"	27.5	28.4"	28.4"	28.6
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	2.0	2.0	2.0	1.0	1.0	2.0
H.P. BLEEDER	70	70	70			
I.P. BLEEDER	6	6	6			
L.P. BLEEDER	23"	22"	22"			
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	620	640	595	560		
L.P. EXHAUST	104	104	170	175		130
CONDENSATE	99	97	91	91		88
CIRC. WATER IN	88	87	87	86	85	85
CIRC. WATER OUT	92	92	92	88		87
L.O. TO COOLERS	115	118	117	114		108
L.O. FROM COOLERS	106	109	116	108		105
TEMPERATURE THRUST BEARING	110	114	112	111		
FORWARD H.P. ROTOR BEARING	118	120	118	118		
AFT. H.P. ROTOR BEARING	124	125	122	120		
FORWARD L.P. ROTOR BEARING	124	125	118	123		
AFT. L.P. ROTOR BEARING	120	123	115	118		

		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		132	132	115	123		
HOTTEST GEAR BEARING AFT		128	130	115	125		
AUX. COND. CONDENSATE		123/117	120/117	120/116	118/112	117/112	117/112
1ST STAGE FEED WATER HEATER		128	142	126	108	105	105
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	P	630	650	640	640		595
	S	650	632	635	610		600
F.O. TO BURNERS		190	190	190	190	190	190
AIR TO FURNACE	P	142	142	140	137	134	
	S	129	130	127	124	123	
F.O. TEMP. IN SETTLING TANKS	P	100	105	112	100	100	110
	S	97	102	100	100	100	103
PORT BOILER UPTAKE		293	275	275	280		275
STBD. BOILER UPTAKE		290	277	275	280		275
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE							
MAIN STEAM		450	450	450	450	452	450
F.O. TO BURNERS		105	110	190 ~~200~~	190		190
MISCELLANEOUS – MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		107		104	104	101	105
FIRE ROOM TEMPERATURE		107		104	104	101	105
NOZZLES IN USE		Throttle	10 60 RPM	10 ~~60~~ RPM	10 40 RPM		
NO. OF BURNERS IN USE	P	2	2	1	1	1	1
	S	2	2	1	1	1	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	51/55	51/55
CO_2 % PORT BOILER		13.5	13.5	13.5	13.5		
CO_2 % STBD. BOILER		13.0	13.0	13.0	13.0		
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'6"	1'6"	1'6"	1'6"
H.P. / L.P. Thrust		.050 .100	.050 .100	.050 .100	.050 .100		

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	620	9	128	117		63	700	700	240
	2	1200	440	620	7	142	130		67	700	700	240
1600 TO 2000	1	1200	450	645	9	128	117		63	625	625	240
	2	1200	450	645	7	142	128		67	650	650	240
2000 TO 2400	1	1200	450	595	9	126	116		63	550	550	240
	2	1200	450	595	7	140	128		67	550	550	240
2400 TO 0400	1	1200	450	560	9	125	115		63	550	550	240
	2	1200	450	560	7	140	128		67	550	550	240
0400 TO 0800	1	1200	450		9	125	115		63	600	600	240
	2	1200	450		7	140	128		67	600	600	240
0800 TO 1200	1	1200	450		9	124	114		63	650	650	240
	2	1200	450		7	138	128		67	650	650	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1437[illegible]
	METER PREVIOUS NOON	1437[illegible]
	CONSUMED BY METER	6670
	ON HAND AT START OF DAY	175[illegible]
	RECEIVED DURING DAY	
	EXPENDED DURING DAY	313
	REMAINING ON HAND	172[illegible]
DOMESTIC WATER	ON HAND AT START OF DAY	93
	EVAPORATED OR RECEIVED	166
	ON HAND	1002
	CONSUMED	95
BOILER WATER	ON HAND AT START OF DAY	235
	EVAPORATED OR RECEIVED	29
	ON HAND	244
	CONSUMED	31
LUBE OIL	ON HAND AT START OF DAY	128
	RECEIVED	—
	ON HAND	—
	CONSUMED	—
DIESEL OIL	ON HAND	2045
	RECEIVED	
	CONSUMED	—

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

[illegible]

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	57450	WIND DIRECTION	
AVERAGE R.P.M.	50.4/52.82	STATE OF SEA	
TOTAL MILES BY ENGINE	225	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	190		

REMARKS

1200-1600 WATCH
Underway @ 60 RPM - Mach. in operation - B-1+2, G-1+2, M-1, MC-2, S-1, ME-G, A-1, AC-1, AE-G, D-1+2, P-1+2, F-1+2, C-1, L-1, FS-1, LC-1, E-1, & A-Con - Clnd. & chgd. F.O. burners & disch. str's - Routine Tests & inspect. of mach. & spaces - 1516 - Stby - Boat Drill - 1530 - ## - 1530 - Stby - 1533 - ## M.U.F. used 3.0 Tons.

WATCH ENGR'S SIGNATURE - R. W. Whatley 3RD A/E

1600-2000 WATCH
Underway 60 RPM machinery operation as before changed & cleaned F.O. burners & suct. strainers. Blow Tubes on Port & Stbd Boilers @ 1600. Pumped F.O. Sett Room #3 P/S D.B. F.O. Tks. Pumped Bilges. M.U.F. used in Fwd & Aft. Eng. Room 3.0 Tons.

WATCH ENGR'S SIGNATURE - F. Harris

2000-2400 WATCH
@ 20:00 Reduced R.P.M. from 60 to 50 RPM 3/9/73 Changed & cleaned F.O. Burners & Disch. str's, Pumped E.R. Bilges, Holds & Refer boxes, Made routine rounds of insp of mach. & mach. spaces inc Steering room. 20:25-20:50 Oiler Greggs to sick bay, ~~Scrubbed~~ Hand SCRATCHED 23:00 Reduced to 40 RPM. M.U. used Fwd & Aft E.R. 3.8 Tons

WATCH ENGR'S SIGNATURE - Thos F. Hurd

2400-0400 WATCH
Underway @ 40 RPM - Clnd. & chgd. F.O. burners & disch. str's - Mach. as before - Routine tests & inspects of mach. & spaces - Complied with N/S orders - M.U.F. used Fwd. & Aft E.R's - 4.9 tons

WATCH ENGR'S SIGNATURE - R. W. Whatley 3RD A/E

0400-0800 WATCH
Underway 40 RPM machinery as before changed & cleaned F.O. Burners & suct. strainers. Time check @ 0438½. Increased speed to 52 RPM @ 0530 & to 60 RPM @ 0546 per Bridge. See Detail @ 0620 Arrival @ 0630. ATR 48024152 Form - P8941690 S-5436020. Bells as per Bell Book. M.U.F. used Aft. & Fwd. 3.0 Tons. F.W.E. @ 0734 ATR 48025852 Form - P8941820 S-5436140. See stm. to mr. unit @ 0736 same on Docking Crew @ 0738. #1 & #2 Evaps Dist. to Feed Tks. @ 0630.

WATCH ENGR'S SIGNATURE - F. Harris

0800-1200 WATCH
Moored at Pier #1 Cam Ran Bay Rep. of S.R.V.N. Port watch. Changed & cleaned F.O. Disch str's, 09:15-0945 Tested #1 & #2 EMERG. Diesel Fire pumps. 0800 Low injection closed High opened. Made routine rounds of insp. of Mach. & mach. spaces, Pumped E.R. Bilges - Holds & Refer Boxes. Eng Utilitymen Durand & Tupilo Lagging steam pipes of governor, Wipers Polk & Todd painting. M.U. used Fwd. & Aft. E.R. 3.0 Tons

WATCH ENGR'S SIGNATURE - Thos F. Hurd

CHIEF ENGINEER

#1	BLRS. #2	
9.93	P.ALK. 9.	93
14.60	T.ALK. 14.	60
3.73	CHL. 3.	73
30	PHOS.	40
8.0	P.H. Conc	8.0
38	~~P.H.D.C.~~ SO3	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C.	
STEAMING HOURS		
868	F.S. 1391	
868	W.S. 1391	

CHIEF ENGR'S SIGNATURE - [illegible]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
[illegible]	12-13	[illegible]	[illegible]	R2-S2-R2	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	
DETENTION TIME		4804 / 7690	4806 / 9860			
REVOLUTION COUNTER (END OF WATCH)		14 / 7690	4806 / 9860	4809 / 2240	4811 / 3940	
TOTAL REVOLUTIONS (FOR WATCH)		19660	22170	22380	21700	
AVERAGE RPM		89.4	92.4	93.2	90.4	
F.O. METER (END OF WATCH)	1437 / 9420	1438 / 2010	1438 / 4640	1438 / 7160	1438 / 9690	1439 / 0580
F.O. CONSUMED	840	2590	2630	2520	2530	890
MACHINERY PARTICULARS — PRESSURES: THROTTLE	440	440	440	435	450	
H.P. AHEAD	440	440	440	435	450	
L.P. AHEAD	21	21	21	20.5	21	
VACUUM	27.1"	27.1"	27.8	28"	28.0	29.0
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	9.5	10	10
GLAND STEAM	1.0	1.0	1.5	1.5	1.0	2.0
H.P. BLEEDER	—	70	70	70	—	—
I.P. BLEEDER	—	6	6	6	—	—
L.P. BLEEDER	—	10"	10"	10"	10"	—
MACHINERY PARTICULARS — TEMPERATURES: STEAM AT THROTTLE		695	710	710	695	
L. P. EXHAUST	M	114	107	105	102	128
CONDENSATE	A	114	104	102	102	78
CIRC. WATER IN	H	84	79	77	78	76
CIRC. WATER OUT	E	97	90	88	88	78
L.O. TO COOLERS	V	124	126	125	124	107
L.O. FROM COOLERS	E	110	110	110	107	105
TEMPERATURE THRUST BEARING	R	117	117	117	116	
FORWARD H.P. ROTOR BEARING	I	123	124	123	122	
AFT. H.P. ROTOR BEARING	N	135	135	135	135	
FORWARD L.P. ROTOR BEARING	G	134	133	133	133	
AFT. L.P. ROTOR BEARING		130	128	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	V	150	150	153	152	
HOTTEST GEAR BEARING AFT	A	143	143	143	143	
AUX. COND. CONDENSATE	1	120 / 117	118 / 110	113 / 106	115 / 108	115 / 108
1ST STAGE FEED WATER HEATER	4	166	164	164	162	95
O. C. FEED WATER HEATER	240	240	240	240	240	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES: SUPER HEAT P		700	690	688	700	540
SUPER HEAT S		700	700	690	700	575
F.O. TO BURNERS	190	190	190	190	180	190
AIR TO FURNACE P	143	142	142	140	136	136
AIR TO FURNACE S	134	132	127	124	125	124
F.O. TEMP. IN SETTLING TANKS P	107	110	110	108	110	115
F.O. TEMP. IN SETTLING TANKS S	102	95	98	97	96	100
PORT BOILER UPTAKE	325	314	325	325	323	280
STBD. BOILER UPTAKE	330	322	330	330	325	275
BOILER PARTICULARS — PRESSURES: F. O. BACK PRESSURE						
MAIN STEAM	450	450	450	450	450	4
F.O. TO BURNERS	140	160	160	160	180	120
MISCELLANEOUS: MAIN COND. SALINITY	.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE	108	106	102	100	100	105
FIRE ROOM TEMPERATURE	108	106	102	100	100	105
NOZZLES IN USE	16	16	16	16	10	
NO. OF BURNERS IN USE P	3	3	3	3	2	1
NO. OF BURNERS IN USE S	3	3	3	3	2	1
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	13.5	13.5	13.5	
CO_2 % STBD. BOILER	—	13.0	13.0	13.0	13.5	
OIL LEVEL MAIN SUMP	1'7"	1'7"	1'7"	1'-07"	1'7"	1'6"
H.P. / L.P. Thrust	.050 / .100	.050 / .100	.050 / .100	.048 / .100	.050 / .100	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	450		7.1	125	114		63	600	600	240
	2	1200	450		7	138	127		67	600	600	240
1600 TO 2000	1	1200	440	695	9	125	115		63	700	700	240
	2	1200	440	695	7	140	128		67	700	700	240
2000 TO 2400	1	1200	440	710	9	122	110		63	600	600	240
	2	1200	440	710	7	138	128		67	650	650	240
2400 TO 0400	1	1200	440	710	9.2	121	110		63	725	725	235
	2	1200	440	710	7	136	124		68	650	700	235
0400 TO 0800	1	1200	440	695	9.2	121	110		63	675	675	240
	2	1200	440	695	7	134	124		67	675	675	240
0800 TO 1200	1	1200	440		9.2	120	110		63	750	750	240
	2	1200	440		7	134	124		67	750	750	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	14390580	BOILER WATER	ON HAND AT START OF DAY	204
	METER PREVIOUS NOON	14378680		EVAPORATED OR RECEIVED	54
	CONSUMED BY METER	11900		ON HAND	311
	ON HAND AT START OF DAY	17204		CONSUMED	37
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	1918
	EXPENDED DURING DAY	516		RECEIVED	—
	REMAINING ON BOARD	16688		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	16960	PROPELLER SLIP (%)	2.79% prop
DETENTION TIME	—	BBL FUEL/MI	1.392
TOTAL REVOLUTIONS	87440	WIND DIRECTION	
AVERAGE R.P.M.	91.08	STATE OF SEA	
TOTAL MILES BY ENGINE	323	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	314		

REMARKS

1200-1600 WATCH

Port watch machinery Inspection B-1 & 2 C-1 & 2 M-1 MC-2 S-1 MFC A-1 A-C1 AEC1 D1-2" P-1 & 2 F-1 & 2 C-1 L-1 FS-1 LC-1 E-1 & A-Cok Changed & Cleaned F.O. Burners. Permission to Roll Eng. @ 1400 Tackling Gear cut @ 1405 stm. to same @ 1408 Rolling same @ 1410. Stby @ 1514 CTR. 48026010 Fom-P-8942560 S-5436820. See Detail @ 1515. Bells as per Bell Book. Dept. @ 1600. 16 Nozzles CTR.48028030. Fom-P-8942620 S-5436870.

WATCH ENGR'S SIGNATURE- F. Harris

1600-2000 WATCH

underway 16 nozzles machinery Inspection As Before Changed F.O. Suct. Strainers, Blow Tubes on Port & stbd Boilers. @ 1600 Pumped F.O. Sett. from #3 P/S D.B. Tks. Pumped Bilges. M.U.F. used Fwd. & Aft. Eng. Room 4.9 Tons

WATCH ENGR'S SIGNATURE- F. Harris

2000-2400 WATCH

Underway 16 Nozz Mach. as before 2015 Started #2 L.P. Evap. Changed & cleaned F.O. Burners & Disch. str's, Pumped E.R. Bilges-Holds & Reefer boxes, Made routine rounds of insp of Mach. & Mach. spaces inc Steering Room. M.U. used Fwd. & Aft. E.R. 4.9 Tons.

WATCH ENGR'S SIGNATURE- Theo. Lund

2400-0400 WATCH

UNDERWAY @ 16 NOZZLES. MACHINERY IN USE AS BEFORE CHANGED & CLEANED F.O. BURNERS & STRAINERS. ROUTINE INSPECTIONS OF MACHINERY & SPACES. BILGES DRY. M.U. FEED CONSUMED F.E.R. & A.E.R. @ 4.2 TONS BILGE PUMP INOPERATIVE-(CONTROLLER)

WATCH ENGR'S SIGNATURE- J. J. McDonald

0400-0800 WATCH

underway 16 nozzles machinery Inspection As Before Changed & cleaned F.O. Burners & suct. strainers. Pumped F.O. Sett. from #3 P/S F.O. Tks. Reduced speed from 16 nozzles to 10 nozzles @ 0700 P/S Bridge. M.U.F. used Fwd. & Aft. Eng. Room 4.2 Tons. Time check @ 0709.

WATCH ENGR'S SIGNATURE- F. Harris

0800-1200 WATCH

0755 stby 0800 Arrival-CTR-48115470, FOM-P-8948070 FOM S-5441890 F.W.E. 0927 CTR. 48117650 FOM. P-8948240 FOM S-5442040 0928 Main & Blk. stops closed 0930 M.E. turning by Jacking gear. Moored at S2 Pier DANANG Ref S2 V.N. special sea detail secured 0928 High injection open Low closed 1100 LP Evap's #1 & 2 Secured M.U. used. Fwd & AFT. E.R. 5.7 Tons Changed & cleaned F.O. Disch str's.

WATCH ENGR'S SIGNATURE- Theo. Lund

CHIEF ENGINEER

#1	BLRS. #2	
9.93	P.ALK. 9.93	
14.60	T.ALK. 14.60	
4.14	CHL. 4.14	
30	PHOS.	40
8.0	P.H. Cond.	8.0
35	~~P.H.L.C.~~ SO3	40
CHEMICALS USED		
	ALG.	
	G.C.	
	A.R.C	
STEAMING HOURS		
892	F.S. 1415	
892	W.S. 1415	

CHIEF ENGR'S SIGNATURE- W. L. Thompson

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope	12-B	Da Nang, Vietnam	San Francisco, Calif.	AP-42 class	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)						48/2 2270
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)	1439 1180	1439 1780	1439 2400	1439 3020	1439 3650	1439 4510
F.O. CONSUMED	600	600	620	620	630	860
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM	29	28.8"	29.0"	28.8"	28.8"	
L.O. TO TURBINES	12	12	12	12	12	
AUX. STEAM	150	150	150	150	150	
BACK PRESSURE	10	10	10	10	10	
GLAND STEAM	2.0	1.0	2.0	2.0	1.0	
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L. P. EXHAUST	85	80	80	93	80	
CONDENSATE	79	80	79	83	81	
CIRC. WATER IN	76	76	75	78	76	
CIRC. WATER OUT	77	77	76	78	77	
L.O. TO COOLERS	111	110	109	111	110	
L.O. FROM COOLERS	105	108	106	108	108	
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		105/102	108/102	108/104	107/100	107/100	
1ST STAGE FEED WATER HEATER		96	102	104	105	98	
D. C. FEED WATER HEATER		240	240	240	240	240	
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	P	582	600	640	623	630	
	S	590	600	610	610	620	
F.O. TO BURNERS		190	190	190	190	190	
AIR TO FURNACE	P	135	128	129	128	130	
	S	123	118	118	118	120	
F.O. TEMP. IN SETTLING TANKS	P	115	105	110	108	105	
	S	97	98	98	97	98	
PORT BOILER UPTAKE		285	285	285	292	287	
STBO. BOILER UPTAKE		287	285	290	288	287	
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE							
MAIN STEAM							
F.O. TO BURNERS							
MISCELLANEOUS – MAIN COND. SALINITY		.41	.41	.41	.41	.41	
ENGINE ROOM TEMPERATURE		107	98	98	98	98	
FIRE ROOM TEMPERATURE		107	98	98	98	98	
NOZZLES IN USE							
NO. OF BURNERS IN USE	P	1	1	1	1	1	
	S	1	1	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							
CO_2 % STBO. BOILER							
OIL LEVEL MAIN SUMP		1'6"	1'6"	1'6"	1'6"	1'6"	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440		9.2	122	110		63	625	625	240
	2	1200	440		7.1	135	122		67	625	625	240
1600 TO 2000	1	1200	440		9.2	119	109		63	500	500	240
	2	1200	440		7.1	134	120		67	500	500	240
2000 TO 2400	1	1200	440		9.2	117	108		63	500	500	240
	2	1200	440		7.1	134	118		67	500	500	240
2400 TO 0400	1	1200	440		9.3	120	110		63	500	500	240
	2	1200	440		7.1	135	122		68	500	500	240
0400 TO 0800	1	1200	440		9.4	119	109		63	550	550	240
	2	1200	440		7.1	134	120		68	550	550	240
0800 TO 1200	1	1200	440		9.4	119	109		63	650	650	240
	2	1200	440		7.1	134	120		68	650	650	240

FUEL, WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1439/4510	BOILER WATER – ON HAND AT START OF DAY	3[illegible]
	METER PREVIOUS NOON	1439/3590	EVAPORATED OR RECEIVED	—
	CONSUMED BY METER	3930	ON HAND	300
	ON HAND AT START OF DAY	1588	CONSUMED	11
	RECEIVED DURING DAY	—	LUBE OIL – ON HAND AT START OF DAY	[illegible]
	EXPENDED DURING DAY	154	RECEIVED	—
	REMAINING ON BOARD	1634	ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1022	CONSUMED	
	EVAPORATED OR RECEIVED	—	DIESEL OIL – ON HAND	2044
	ON HAND	888	RECEIVED	
	CONSUMED	124	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	01:00/60	PROPELLER SLIP (%)	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS	3590	WIND DIRECTION	
AVERAGE R.P.M.	59.8[illegible]	STATE OF SEA	
TOTAL MILES BY ENGINE	13	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

[illegible] Clnd & chgd. F.O. BURNERS & STR'S - ROUTINE TESTS & INSPECTS of MACH. & SPACES - M.U.F. used Fwd & Aft E.R.'s - 3.0 TONS -

WATCH ENGR'S SIGNATURE- [illegible] 3rd A/E

1600-2000 WATCH Port watch Machinery Engravation As Before. Changed & Cleaned F.O. Burner & suct. strainer. Lit off M.U.F. Evap @ 1730. Port Boiler on Cont. Blow & Same. Blow Same Down. Sub. #1 Fire Pump #2 on Line. M.U.F. used Fwd & Aft. Eng. Room. 4.2 Tons.

WATCH ENGR'S SIGNATURE- L. Harris

2000-2400 WATCH Port watch, machinery in Operation as before, Changed & cleaned F.O. Burners & Disch. str's, Blowed down M.U. Evap. Made routine rounds of insp. of Mach. & Mach. spaces, Pumped E.R. Bilges - Holds & Refer boxes. M.U. used Fwd & Aft E.R. 4.5 TONS

WATCH ENGR'S SIGNATURE- Theo Eklund

2400-0400 WATCH Port Watch - @ Mach. as before - Clnd & chgd. F.O. burners & disch. str's - Routine tests & inspects of mach. & spaces - Complied with N/S orders - 0005 - Blow down shifted from Port to Stbd. boiler - 0130-0145 - Conducted Eng. Casualty Drill E-4 (4 men) Bridge notified - Clnd & shifted main L.O. str's - M.U.F. used Fwd & Aft E.R.'s - 2.3 Tons

WATCH ENGR'S SIGNATURE- R. H. Whittlesey 3rd A/E

0400-0800 WATCH Port watch machinery Engravation As Before Changed & Cleaned F.O. Burner & suct. strainers. Pumped F.O. Sett. from #3 P/S F.O. D.B. TKS. Same Empty. Held Eng Casualty Drill E-4 from 0500 to 0520 4 Men Present Bridge Notified. Added compound to Port & stbd Boilers. Sid M.U.F. Evap @ 0700. Pumped Bilges M.U.F. used in Fwd. & Aft. Eng. Room. 4.5 Tons.

WATCH ENGR'S SIGNATURE- L. Harris

0800-1200 WATCH Preparing E.R. to get underway, 08:00 secured wheel clearance F/B, ~~and~~ 08:00 Time check N/B, 08:30 secured Air Cond., 08:54 Tested E.R. Teleg., 0855 Dis-engage Jacking Gear, 0900 Steam on M.E., 10:24 Stbd CTR 48:18090, FOM P-8950270, Stbd 5443790. 0932 A.C. Unit on Line, 11:00 Departure CTR 48113680, F.O.M. P-8950340, FOMS-5443850, Bells as per bell Book, Control Elect. Coil replaced on A.C. unit Governor, 10-30 Ch. Eng in E.R. 1110 18 No 33, M.U. used Fwd & Aft E.R. 3.0 Tons.

WATCH ENGR'S SIGNATURE- Theo Eklund

CHIEF ENGINEER

#1	BLRS. #2	
4.34	P.ALK. 9.	34
14.02	T.ALK. 14.	02
2.90	CHL. 2.	90
.40	PHOS.	40
8.0	P.H. Cond.	8.0
45	~~P.H. L.T.~~ SO3	45
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C.	
STEAMING HOURS		
916	F.S. 1439	
916	W.S. 1439	

CHIEF ENGR'S SIGNATURE- W. S. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen Aire Tpt	12-B	Da Nang, Vietnam	Sue Kaminey Calif.	22 kt x 2	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)	4814 5160	4816 8160	4819 1220	4821 4230	4823 7280	4826 6260
TOTAL REVOLUTIONS (FOR WATCH)	22890	23000	23060	23010	23050	22980
AVERAGE RPM	95.3	95.8	96.1	95.8	96.0	95.8
F.O. METER (END OF WATCH)	1439 7310	1440 0850	1440 2840	1440 5530	1440 8340	1441 1070
F.O. CONSUMED	2800	2770	2760	2690	2810	2730
MACHINERY PARTICULARS – PRESSURES – THRDTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	285	28.5	28.5	28.5	28.5	28.5
VACUUM	27.	27.0"	27.0	27"	27.0"	27.0
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	2.0	1.5	1.5	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	9	7"	7	7	7"	7
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	705	705	695	705	705	710
L. P. EXHAUST	118	116	116	118	117	116
CONDENSATE	118	116	116	117	117	117
CIRC. WATER IN	82	84	85	86	86	85
CIRC. WATER OUT	96	97	98	98	100	100
L.O. TO COOLERS	126	125	125	125	126	125
L.O. FROM COOLERS	108	108	109	108	109	109
TEMPERATURE THRUST BEARING	116	116	117	116	117	119
FORWARD H.P. ROTOR BEARING	125	124	124	124	124	124
AFT. H.P. ROTOR BEARING	137	136	134	137	136	135
FORWARD L.P. ROTOR BEARING	135	134	135	135	134	134
AFT. L.P. ROTOR BEARING	130	130	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		154	154	153	155	155	154
HOTTEST GEAR BEARING AFT		144	144	144	144	144	144
AUX. COND. CONDENSATE		118/112	120/117	125/117	121/114	120/114	125/117
1ST STAGE FEED WATER HEATER		169	170	170	170	170	170
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	P	688	710	680	680	710	690
	S	690	710	680	690	710	708
F.O. TO BURNERS		190	190	190	190	190	
AIR TO FURNACE	P	142	142	144	144	144	143
	S	129	130	129	128	132	130
F.O. TEMP. IN SETTLING TANKS	P	107	104	105	100	115	114
	S	95	94	95	95	94	95
PORT BOILER UPTAKE		342	315	325	342	340	320
STBD. BOILER UPTAKE		343	318	335	350	340	320
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE							
MAIN STEAM		450	450	450	450	450	450
F.O. TO BURNERS		180	180	180	180	180	180
MISCELLANEOUS – MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		105	105	105	105	104	106
FIRE ROOM TEMPERATURE		105	105	105	105	104	106
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	13.0	13.5	13.5	13.5	13.5
CO_2 % STBD. BOILER		13.5	13.5	13.5	13.5	13.5	13.5
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'7"	1'7"	1'7"	1'7"
HP Thrust		.050	.050	.050	.050	.050	.050
LP Thrust		.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	705	9.1	125	113		63	675	675	240
	2	1200	440	705	7.1	138	126		67	675	675	240
1600 TO 2000	1	1200	440	705	9.1	125	115		63	700	700	240
	2	1200	440	705	7	140	126		67	700	700	240
2000 TO 2400	1	1200	440	695	9.1	125	115		63	650	650	240
	2	1200	440	695	7	140	126		67	650	650	240
2400 TO 0400	1	1200	440	705	9.1	125	115		63	650	650	240
	2	1200	440	705	7	140	126		67	650	650	240
0400 TO 0800	1	1200	440	705	9.1	125	115		63	650	650	240
	2	1200	440	705	7	140	126		67	650	650	240
0800 TO 1200	1	1200	440	710	9.1	125	115		63	650	650	240
	2	1200	440	710	7	140	124		67	650	650	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1441070	BOILER WATER – ON HAND AT START OF DAY	300
	METER PREVIOUS NOON	1439410	BOILER WATER – EVAPORATED OR RECEIVED	—
	CONSUMED BY METER	16560	BOILER WATER – ON HAND	255
	ON HAND AT START OF DAY	16534	BOILER WATER – CONSUMED	45
	RECEIVED DURING DAY	—	LUBE OIL – ON HAND AT START OF DAY	1918
	EXPENDED DURING DAY	803	LUBE OIL – RECEIVED	—
	REMAINING ON BOARD	15731	LUBE OIL – ON HAND	—
DOMESTIC WATER	ON HAND AT START OF DAY	888	LUBE OIL – CONSUMED	—
	EVAPORATED OR RECEIVED	—	DIESEL OIL – ON HAND	2076
	ON HAND	799	DIESEL OIL – RECEIVED	
	CONSUMED	89	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	24/1440	PROPELLER SLIP (%)	8.70% [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.568
TOTAL REVOLUTIONS	137990	WIND DIRECTION	225°-18K
AVERAGE R.P.M.	95.8/95.2	STATE OF SEA	225°-8'
TOTAL MILES BY ENGINE	512	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	467		

REMARKS

1200-1600 WATCH
Underway @ 18 Nozzles - Mach in operation - B-1&2, G-1&2, M-1, MC-2, S-1, ME-G, A-1, AC-1, AE-G, D-1&2, P-1&2, F-1&2, C-1, L-1, FS-1, LC-1, E-1, & A-Con - Clnd & chgd F.O burners & disch str's - Routine Tests & inspects of mach & spaces - M.U.F. used Fwd & Aft E.R.'s. 4.9 Tons -

WATCH ENGR'S SIGNATURE- R. W. Whittling 3rd AVE

1600-2000 WATCH
Underway 18 Nozzles machinery Inspection as Before Changed & Cleaned F.O. Burners & suct. strainers. Blow Tubes on Port & stbd Boilers @ 1600. Pumped F.O. setl. from #7 P/S D.B. F.O. Tks. Pumped Bilges. M.U.F. used Aft & Fwd Engr. Room 6.8 Tons.

WATCH ENGR'S SIGNATURE- E. Jones

2000-2400 WATCH
Underway 18 Nozz - Mach. as before Changed & cleaned F.O. Burners & Disch. str's Made routine rounds of insp. of Mach. & Mach. spaces, inc. Steering room. Pumped E.R. Bilges Holds & Reefer Boxes, 2010-2030 Held Eng. Casualty Drill, "E-4 "Ruptured Fire main" 4 Men present B/Notified, M.U. used Fwd & Aft. E.R. 4.2 Tons

WATCH ENGR'S SIGNATURE- Thos. Lund.

2400-0400 WATCH
Underway @ 18 Nozzles - Mach. as before - Clnd & chgd F.O. burners & disch str's - Clnd. & chgd. main L.O. str's - Routine Tests & inspect's of mach & spaces - Complied with N/S orders - M.U.F. used Fwd & Aft E.R.'s - 5.3 tons -

WATCH ENGR'S SIGNATURE- R. W. Whittling 3rd AVE.

0400-0800 WATCH
Underway 18 Nozzles machinery Inspection as Before - Changed & cleaned F.O. Burners & suct. strainers. Pumped F.O. setl. from #7 P/S D.B. F.O. Tks - M.U.F. used Aft & Fwd. 4.2 Tons

WATCH ENGR'S SIGNATURE- E. Jones

0800-1200 WATCH
Underway 18 Nozz Mach. as before, 0800-0830 Blow Tubes #1 & #2 Boilers B/Notified changed & cleaned F.O. Burners & Disch. str's, Made routine rounds of insp. of Mach. & Mach. spaces inc Steering room Changed & cleaned L.O. str's, #1 & #2 Turbo-Gen's, Pumped E.R. Bilges Holds & Reefer boxes B/E Mr Grow Overhauled & cleaned #1 P Hold valve & Air Cylinder (Bilge Suct.) M.U. used Fwd & Aft. E.R. 6.0 Tons

WATCH ENGR'S SIGNATURE- Thos. Lund.

CHIEF ENGINEER

#1	BLRS. #2	
9.34	P.ALK. 9.	34
14.02	T.ALK. 14.	02
2.90	CHL. 2.	90
40	PHOS.	40
8.0	P.H. Cong.	8.0
45	~~P.H. C.C.~~ SO3	45
CHEMICALS ADDED		
8 oz.	~~ADJ.~~ #9	8 oz.
6 oz.	~~C.C.~~ #15	6 oz
3 oz.	~~A.R.C.~~ 4.6	3 oz
STEAMING HOURS		
940	F.S. 1463	
940	W.S. 1463	

CHIEF ENGR'S SIGNATURE- W. L. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
[illegible]	12-F	[illegible]	[illegible]	[illegible]	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)	4828 3300	4830 6430	4832 9490	4835 2690	4837 5830	4839 9120
TOTAL REVOLUTIONS (FOR WATCH)	23040	23130	23060	23200	23140	23290
AVERAGE RPM	96.0	96.4	96.1	96.6	96.4	97.0
F.O. METER (END OF WATCH)	1441 3780	1441 6530	1441 9290	1442 2040	1442 4770	1442 7490
F.O. CONSUMED	2710	2750	2760	2750	2730	2720
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	28.5	28.5	28.5	28.5	28.5	28.5
VACUUM	27	27.0"	27.0	27"	27.1"	27.0
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.5	1.5	1.5	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	7	7"	7	7	7"	7'
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	710	700	700	700	705	710
L. P. EXHAUST	119	114	116	120	114	114
CONDENSATE	116	116	117	117	114	114
CIRC. WATER IN	85	86	85	86	84	84
CIRC. WATER OUT	98	98	100	99	96	96
L.O. TO COOLERS	125	126	126	125	124	125
L.O. FROM COOLERS	108	108	110	108	107	108
TEMPERATURE THRUST BEARING	116	114	116	116	115	116
FORWARD H.P. ROTOR BEARING	124	124	124	123	122	124
AFT. H.P. ROTOR BEARING	137	136	135	137	135	135
FORWARD L.P. ROTOR BEARING	134	134	134	134	132	132
AFT. L.P. ROTOR BEARING	130	130	130	130	130	130

		WATCH 1200 TO 1500	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		155	154	154	155	154	154
HOTTEST GEAR BEARING AFT		143	144	144	144	143	141
AUX. COND. CONDENSATE		122/115	120/116	122/117	123/116	120/114	122/116
1ST STAGE FEED WATER HEATER		170	170	170	170	168	169
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	P	680	705	680	670	710	690
	S	690	705	675	682	710	690
F.O. TO BURNERS		190	190	190	190	190	190
AIR TO FURNACE	P	144	146	145	145	143	142
	S	130	132	130	130	128	129
F.O. TEMP. IN SETTLING TANKS	P	110	95	95	100	102	105
	S	95	95	95	98	96	98
PORT BOILER UPTAKE		320	318	330	335	338	320
STBD. BOILER UPTAKE		320	318	330	343	336	320
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE							
MAIN STEAM		450	458	450	450	452	450
F.O. TO BURNERS		180	175	180	180	180	180
MISCELLANEOUS – MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		106	102	106	103	104	105
FIRE ROOM TEMPERATURE		106	102	106	103	104	105
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	13.5		13.5	13.5	
CO_2 % STBD. BOILER		13.5	13.5		13.5	13.5	
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'7"	1'7"	1'7"	1.7
HP THRUST		.050	.052	.050	.050	.050	.050
LP THRUST		.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	710	9	127	116		63	600	600	240
	2	1200	440	710	7	141	128		67	600	600	240
1600 TO 2000	1	1200	440	700	9	125	115		63	650	650	240
	2	1200	440	700	7	140	127		67	650	650	240
2000 TO 2400	1	1200	440	700	9	125	115		63	650	650	240
	2	1200	440	700	7	140	126		67	650	650	240
2400 TO 0400	1	1200	440	700	9	125	115		63	600	600	240
	2	1200	440	700	7	140	127		67	600	600	240
0400 TO 0800	1	1200	440	705	9	124	113		63	600	600	240
	2	1200	440	705	7	138	125		67	600	600	240
0800 TO 1200	1	1200	440	710	9	124	113		63	650	650	240
	2	1200	440	710	7	138	126		67	650	650	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	14427490	BOILER WATER	ON HAND AT START OF DAY: 255
	METER PREVIOUS NOON	14410070		EVAPORATED OR RECEIVED: —
	CONSUMED BY METER	16420		ON HAND: 223
	ON HAND AT START OF DAY	15731		CONSUMED: 32
	RECEIVED DURING DAY	—	LUBE OIL	ON HAND AT START OF DAY: 19.5
	EXPENDED DURING DAY	794		RECEIVED: —
	REMAINING ON BOARD	14937		ON HAND: —
DOMESTIC WATER	ON HAND AT START OF DAY	799		CONSUMED: —
	EVAPORATED OR RECEIVED	—	DIESEL OIL	ON HAND: 2046
	ON HAND	723		RECEIVED:
	CONSUMED	76		CONSUMED:

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1500	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 (%)	8.41 [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.689
TOTAL REVOLUTIONS	138960	WIND DIRECTION	225° - 20KT
AVERAGE R.P.M.	96.4/96.1	STATE OF SEA	225° - 3'
TOTAL MILES BY ENGINE	576	STATE OF WEATHER	Cloudy
TOTAL MILES BY OBSERVATION	470		

REMARKS

1200-1600 WATCH
Underway @ 18 Nozzles - Mach. in operation - B-1+2, G-1+2, M-1, MC-2, S-1, ME-G, A-1, AC-1, AE-G, D-1+2, P-1+2, F-1+2, C-1, L-1, LC-1, & A-Con - Clnd & chgd F.O. burners & disch. strs - Routine tests & insp.ts of mach. & spaces - Pumped E.R. bilges - Tested Low L.O. trip, & O.S trip on main unit - M.U.F. used Fwd & Aft E.R.s. 5.3 tons - Shifted F.O. suct from inbd. to outbd settler -

WATCH ENGR'S SIGNATURE - R.M. Wheatley 3RD A/E

1600-2000 WATCH
Underway 18 Nozzles machinery Inoperation As Before Changed & Cleaned F.O. Burners & suct. strainers. Blew Tubes on Port & stbd Boilers @ 1600. Pumped F.O. sett. from #7 P/S D.B. F.O. Tks. Pumped Bilges M.U.F. used in Fwd & Aft. Eng. Room, 5.3 Tons. Heating stm on #4 Port & #5 stbd. D.B. F.O. Tks.

WATCH ENGR'S SIGNATURE - F. Harris

2000-2400 WATCH
Underway 18 Nozz, Mach. as before, Changed & cleaned F.O. Burners & Disch Strs Made routine rounds of insp. of Mach. & mach. spaces inc Steering room #2 Stbd. shaft Bearing Hot attached blower. Pumped E.R. Bilges, Holds & Refer Boxes, M.U. used Fwd & Aft. E.R. 4.5 Tons.

WATCH ENGR'S SIGNATURE - Fred J. Kund

2400-0400 WATCH
Underway @ 18 Nozzles - Mach as before - Clnd & chgd F.O. burners & disch. strs - Clnd & chgd main L.O. strs - Routine tests & inspect's of mach & spaces - Complied with N/S orders - M.U.F. used by Fwd & Aft E.R.s - 4.2 tons -

WATCH ENGR'S SIGNATURE - R.M. Wheatley 3RD A/E

0400-0800 WATCH
Underway 18 Nozzles machinery Inoperation As Before - Changed & cleaned F.O. Burners & suct. strainers. Pumped F.O. sett. from #7 P/S & #4 Port & #5 stbd. D.B. Tks. & 7 P/S. D.B. Tks. Empty. Pumped Bilges. M.U.F. used in Fwd & Aft Eng. Room. 4.5 Tons.

WATCH ENGR'S SIGNATURE - F. Harris

0800-1200 WATCH
Underway 18 Nozz - Mach. as before, 08:00 - 0830 Blow Tubes #1 & #2 Boilers B/Notified Changed & cleaned F.O. Burners & Disch. strs, Changed & cleaned L.O. strs #1 & #2 Turbo-Gen's, Made routine rounds of insp of Mach. & Mach. spaces inc Steering room. Pumped E.R. Bilges, Holds & Refer Boxes #2 Stbd. shaft Bearing Temp. Normal. 10:25 Ch. Eng in E.R. Slowed A.C. Down To 290° on Steam chest 13% Ch Eng. @ 11:00 M.U. used Fwd. & Aft. E.R. 5.7 Tons

WATCH ENGR'S SIGNATURE - Fred J. Kund

CHIEF ENGINEER

~~#1~~	BLRS. #2	
9.34	P.ALK. 9.34	
14.02	T.ALK. 14.02	
2.90	CHL. 2.90	
40	PHOS.	40
8.0	P.H. Conc.	8.0
4.5	~~P.H. D.C.~~ SAS	4.5
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
965	F.S. 1487	
965	W.S. 1487	

CHIEF ENGR'S SIGNATURE - [illegible]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope	12-1st	Da Nang, Vietnam	Sing. Terminal List	[illegible]	5/23-27/68

	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)	4842 2250	4844 5550	4846 6920	4848 8050	4850 9420	4853 2480
TOTAL REVOLUTIONS (FOR WATCH)	23130	23300	21370	21130	21370	23070
AVERAGE RPM	96.3	97.1	97.1	96.0	97.1	96.1
F.O. METER (END OF WATCH)	1443 0190	1443 2910	1443 5430	1443 7880	1444 0370	1444 2950
F.O. CONSUMED	2700	2720	2520	2450	2490	2580
MACHINERY PARTICULARS — PRESSURES — THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	28.5	28.5	28.5	28.5	28.5	28.0
VACUUM	27.1	27.2"	27.4	27.4	27.6"	28.0
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.5	1.5	1.5	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	7	7"	7	7	8"	8"
TEMPERATURES — STEAM AT THROTTLE	705	705	705	705	705	705
L. P. EXHAUST	115	112	111	114	108	102
CONDENSATE	113	112	110	112	109	107
CIRC. WATER IN	82	81	81	82	78	75
CIRC. WATER OUT	95	94	94	94	91	86
L.O. TO COOLERS	126	125	124	126	125	125
L.O. FROM COOLERS	108	108	108	108	107	107
TEMPERATURE THRUST BEARING	117	116	116	117	115	115
FORWARD H.P. ROTOR BEARING	125	123	123	124	122	122
AFT. H.P. ROTOR BEARING	137	136	135	137	135	136
FORWARD L.P. ROTOR BEARING	133	133	134	135	133	133
AFT. L.P. ROTOR BEARING	130	130	130	130	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		155	154	153	156	155	154
HOTTEST GEAR BEARING AFT		145	144	145	144	143	143
AUX. COND. CONDENSATE		122/112	120/114	119/110	118/109	118/110	116/112
1ST STAGE FEED WATER HEATER		169	168	168	168	167	164
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT	P	690	710	685	680	710	685
	S	688	710	690	680	710	690
F.O. TO BURNERS		190	190	190	190	190	190
AIR TO FURNACE	P	143	142	142	141	138	135
	S	128	128	124	126	124	122
F.O. TEMP. IN SETTLING TANKS	P	105	102	103	102	103	100
	S	97	98	98	98	98	98
PORT BOILER UPTAKE		322	320	315	337	335	315
STBD. BOILER UPTAKE		322	32	320	328	345	315
PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		450	450	450	450	450	450
F.O. TO BURNERS		180	175	180	180	180	160
MISCELLANEOUS — MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		104	102	100	99	97	93
FIRE ROOM TEMPERATURE		104	102	100	99	97	93
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	13.5	13.5	13.5	13.5	13.5
CO_2 % STBD. BOILER		13.5	13.5	13.5	13.5	13.5	13.5
OIL LEVEL MAIN SUMP		1'7"	1'7"	1.7	1'7"	1'7"	1'7"
HP Thrust		.050	.050	.050	.050	.050	.050
LP Thrust		.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	705	9.1	125	113		63	650	650	240
	2	1200	440	705	7	138	126		67	650	650	240
1600 TO 2000	1	1200	440	705	9	122	112		63	650	650	240
	2	1200	440	705	7	137	125		67	650	650	240
2000 TO 2400	1	1200	440	705	9	122	110		63	650	650	240
	2	1200	440	705	7	138	125		67	650	650	240
2400 TO 0400	1	1200	440	705	9.1	122	111		63	600	600	240
	2	1200	440	705	7	138	125		67	600	600	240
0400 TO 0800	1	1200	440	705	9	120	110		63	650	650	240
	2	1200	440	705	7	137	125		67	650	650	240
0800 TO 1200	1	1200	440	705	9	122	109		63	700	700	240
	2	1200	440	705	7	137	127		67	700	700	240

FUEL - WATER AND LUBE OIL

FUEL OIL — METER AT NOON	1444/2950	
FUEL OIL — METER PREVIOUS NOON	1442/2490	
FUEL OIL — CONSUMED BY METER	15460	
FUEL OIL — ON HAND AT START OF DAY	12224	
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	7.8	
LUBE OIL — RECEIVED	—	
LUBE OIL — ON HAND		
LUBE OIL — CONSUMED		
DIESEL OIL — ON HAND	204	
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	23/1380	PROPELLER SLIP (%)	0.1% prop.
DETENTION TIME	—	BBL FUEL-MI	1.674
TOTAL REVOLUTIONS	133360	WIND DIRECTION	045° 3-4 kts
AVERAGE R.P.M.	26.63/95.93	STATE OF SEA	045° - 3'
TOTAL MILES BY ENGINE	494	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	449		

REMARKS

1200-1600 WATCH

Underway @ 18 Nozzles - Mach. in operation - B-1&2, G-1&2, M-1, MC-2, S-1, ME-G, A-1, AC-1, AE-G, D-1&2, P-1&2, F-1&2, C-1, L-1, LC-1, & A-Con - Clnd. & chgd. F.O. burners & disch. str's - Routine Tests & inspects of mach. & spaces - Tested Low L.O. trip & O.S trip on main unit - M.U.F. used Fwd. & Aft E.R's - 4.9 Tons -

WATCH ENGR'S SIGNATURE - R. W. Whittley 3rd A/E

1600-2000 WATCH

Underway 18 nozzles machinery Evaporation as Before changed & cleaned F.O. Burners & suct. strainers. Blow Tubes on Port & stbd. Boilers. @ 1600, Pumped F.O. sett. from #4 Port & #5 stbd. D.B. Tks. M.U.F. used in Fwd. & Aft. Eng Room. 4.8 Tons - Hazing stm on #6 & D.B. F.O. Tk.

WATCH ENGR'S SIGNATURE - L. Harris

2000-2400 WATCH

Underway 18 Nozz - Mach. as before, Changed & cleaned F.O. Burners & Disch. str's. Made routine rounds of insp. of mach. & Mach. spaces, inc steering room, Pumped E.R. Bilges Holds & Refer boxes @ 23:00 Advanced clock 20 mins W/B M.U. used Fwd & Aft. E.R. 5.7 Tons

WATCH ENGR'S SIGNATURE - Theo Lund

2400-0400 WATCH

Underway @ 18 Nozzles - Mach. as before - Clnd. & chgd F.O. burners & disch str's - Clnd. & chgd main unit L.O. str's - Routine Tests & inspect's of mach & spaces - Complied with N/S orders - Pumped E.R. bilges - 0100 - Advanced clock 20 mins - Time chkd. w/Bridge - M.U.F. used Fwd & Aft E.R's - 4.5 Tons - Clnd. L.O. purifier -

WATCH ENGR'S SIGNATURE - R. W. Whittley 3rd A/E

0400-0800 WATCH

underway 18 nozzles machinery Evaporation As Before changed & cleaned F.O. Burners & suct. strainers. Advanced Clock 20 min @ 0500. Pumped F.O. sett. from #4 Port & #5 stbd. & #6 & D.B. F.O. Tks. #4 Port & #5 stbd. D.B. Tks. Empty. Pumped Bilges. M.U.F. used 4.5 Tons.

WATCH ENGR'S SIGNATURE - L. Harris

0800-1200 WATCH

Underway 18 N033 - Mach. as before Except: 08:30 secured A.C. Unit 09:00 #1 & #2 LP Evaps on line. 0800-30 Blew Tubes #1 & #2 Boilers W/N changed & cleaned F.O. Burners & Disch. str's. Made routine rounds of insp of Mach. & Mach. spaces inc steeringroom C/C L.O. str's, #1 & #2 Turbo-Gen's, 08:45 - 09:00 Mr Grow W/E to hospital Burn on Arm not serious, 08:30-11:00 Elect. working on controler of Bilge pump, installed NEW Rheostat. 11:00 Ch. Eng. in E.R. Pumped E.R. Bilges, Holds & Refer Boxes M.U. used Fwd. & Aft. E.R. 6.4 Tons.

WATCH ENGR'S SIGNATURE - Theo Lund

CHIEF ENGINEER

#1	BLRS. #2	
9.34	P.ALK.	9.34
14.02	T.ALK.	14.02
3.31	CHL.	3.31
30	PHOS.	40
8.0	P.H. Cond.	8.0
40	~~T.H.D.S.~~ S.S.	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
988	F.S. 1570	
988	W.S. 1510	

CHIEF ENGR'S SIGNATURE - M. S. Thomlinson

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
[illegible]	12-5	Dalian, China	[illegible]	[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)	4855 5580	4857 5470	4860 1420	4862 4490	4864 7560	4867 0640
TOTAL REVOLUTIONS (FOR WATCH)	23100	22870	22950	23070	23070	23080
AVERAGE RPM	96.2	95.4	95.6	96.1	96.1	96.2
F.O. METER (END OF WATCH)	1444 5480	1444 8050	1445 0460	1445 2960	1445 5460	1445 7990
F.O. CONSUMED	2530	2570	2410	2500	2500	2530
MACHINERY PARTICULARS — PRESSURES — THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	23	23	23	23	23	23
VACUUM	28"	28.0"	28.0	28"	28.0"	28.0
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	2.0	1.5	1.5	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10	10"	10"	10"	10"	10"
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	710	705	710	705	705	705
L. P. EXHAUST	105	101	100	104	101	101
CONDENSATE	101	101	100	100	100	100
CIRC. WATER IN	74	74	74	74	74	73
CIRC. WATER OUT	86	86	86	85	85	84
L.O. TO COOLERS	125	126	125	126	127	127
L.O. FROM COOLERS	107	108	110	108	109	109
TEMPERATURE THRUST BEARING	115	117	117	117	117	117
FORWARD H.P. ROTOR BEARING	123	122	124	123	123	124
AFT. H.P. ROTOR BEARING	136	136	134	137	137	136
FORWARD L.P. ROTOR BEARING	133	132	134	133	133	133
AFT. L.P. ROTOR BEARING	129	130	130	129	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		153	155	154	155	155	155
HOTTEST GEAR BEARING AFT		144	145	145	145	146	146
AUX. COND. CONDENSATE		107/98	108/100	108/100	108/98	105/98	105/98
1ST STAGE FEED WATER HEATER		163	164	163	163	163	162
O. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT	P	685	710	685	678	710	685
	S	690	710	685	680	710	690
F.O. TO BURNERS		190	190	190	190	190	190
AIR TO FURNACE	P	136	136	135	134	132	133
	S	123	123	118	119	118	120
F.O. TEMP. IN SETTLING TANKS	P	100	113	113	110	104	105
	S	98	98	100	100	102	102
PORT BOILER UPTAKE		317	312	315	315	316	314
STBD. BOILER UPTAKE		317	312	315	320	318	310
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		450	452	450	450	450	450
F.O. TO BURNERS		160	152	160	160	158	160
MISCELLANEOUS — MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		92	93	93	93	93	93
FIRE ROOM TEMPERATURE		92	93	93	93	93	93
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	13.5	13.5	13.5	13.0	13.0
CO_2 % STBD. BOILER		13.5	13.5	13.5	13.5	13.0	13.0
OIL LEVEL MAIN SUMP		1'7"	1'7"	1.7"	1'7"	1'7"	1'7
HP Thrust		.050	.052	.050	.050	.052	.050
LP Thrust		.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	710	9.2	117	107		63	700	700	240
	2	1200	440	710	7.1	134	120		67	700	700	240
1600 TO 2000	1	1202	440	705	9.3	118	108		63	650	650	240
	2	1200	440	705	7	134	118		67	650	650	240
2000 TO 2400	1	1200	440	710	9.3	118	108		63	650	650	240
	2	1200	440	710	7	134	118		67	700	700	240
2400 TO 0400	1	1200	440	705	9.3	118	108		63	650	650	240
	2	1200	440	705	7.1	133	118		67	650	650	240
0400 TO 0800	1	1200	440	705	9.2	120	110		63	650	650	240
	2	1200	440	705	7	133	118		67	650	650	240
0800 TO 1200	1	1200	440	705	9.2	122	110		63	650	650	240
	2	1200	440	705	7	133	118		67	650	650	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	[illegible]	BOILER WATER — ON HAND AT START OF DAY	191
	METER PREVIOUS NOON	[illegible]	EVAPORATED OR RECEIVED	70
	CONSUMED BY METER	15040	ON HAND	209
	ON HAND AT START OF DAY	[illegible]	CONSUMED	52
	RECEIVED DURING DAY	—	LUBE OIL — ON HAND AT START OF DAY	178
	EXPENDED DURING DAY	740	RECEIVED	[illegible]
	REMAINING ON BOARD	[illegible]	ON HAND	—
DOMESTIC WATER	ON HAND AT START OF DAY	576	CONSUMED	—
	EVAPORATED OR RECEIVED	199	DIESEL OIL — ON HAND	20[illegible]
	ON HAND	[illegible]	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% Pos.
DETENTION TIME	✓	BBL FUEL/MI	1.779
TOTAL REVOLUTIONS	138160	WIND DIRECTION	300°-15 KTS
AVERAGE R.P.M.	95.9/95.0	STATE OF SEA	300°-3
TOTAL MILES BY ENGINE	510	STATE OF WEATHER	Clear
TOTAL MILES BY OBSERVATION	427		

REMARKS

1200-1600 WATCH
Underway @ 18 Nozzles - Mach. in operation - B-1+2, G-1+2, M-1, MC-2, S-1, ME-G, A-1, AC-1, AE-G, D-1+2, P-1+2, F-1+2, C-1, L-1, LC-1, & E-1 - Clnd. & chgd. F.O. burners & disch. str's - Routine Tests & inspects of mach. & spaces - Pumped E.R. bilges - Tested low L.O. trip & O.S. trip on MN unit - M.U.F. used Fwd & Aft E.R.'s 4.2 Tons - 1515 - Stby - ~~Boat~~ Fire Drill - 1528 - ~~HT~~ Secure - Fire Drill -

WATCH ENGR'S SIGNATURE - R.M. Wheatley 3rd A/E

1600-2000 WATCH
Underway 18 nozzles machinery in operation as before changed & cleaned F.O. burners & suct. strainers. Blow Tubes on Port & stbd. Boilers & Nozz. Pumped F.O. sett. from #6 & D.B. Tk. same mt. Pumped Bilges. M.U.F. used in Fwd & Aft. Eng. Room 5.0 Tons

WATCH ENGR'S SIGNATURE - E. Harris

2000-2400 WATCH
Underway 18 Nozz - Mach. as before, Changed & cleaned F.O. Burners & Disch. str's, Made routine rounds of insp of mach. & mach. spaces inc. Steering room. Pumped E.R. Bilges - Holds & Refer boxes. M.U. used Fwd & Aft. E.R. 4.5 Tons
Ch. Eng. in E.R. @ 21:30

WATCH ENGR'S SIGNATURE - Thos. Lund

2400-0400 WATCH
Underway @ 18 Nozzles - Mach. as before - Clnd & chgd. F.O. burners & disch. str's - Clnd & chgd. main L.O. str's - Routine Tests & inspects of mach. & spaces - Complied with N/S orders - M.U.F. used Fwd & Aft E.R.'s - 4.5 Tons - 0245 - Shifted F.O. suct. from inbd. to outbd. settler -

WATCH ENGR'S SIGNATURE - R.M. Wheatley 3rd A/E

0400-0800 WATCH
Underway 18 nozzles machinery in operation as before changed & cleaned F.O. burners & suct. strainers. Pumped F.O. sett. from #7 & D.B. Tk. Pumped bilges M.U.F. used in Fwd & Aft. Eng. Room 5.5 Tons.

WATCH ENGR'S SIGNATURE - E. Harris

0800-1200 WATCH
Underway ~~21~~ 18 #Nozz - Mach. as before, 08:00-0830 Blow Tubes #1 & #2 Boilers B/Notified 0900 Tested Fire & smoke Alarm F/B Changed & Cleaned F.O. Burners & Disch. str's, changed & Cleaned L.O. str's, #1 & #2 Turbo-Gen's, Made routine rounds of insp of mach. & mach. spaces inc. Steering. Pumped E.R. Bilges & Refer Boxes, M.U. used Fwd & Aft. E.R. 6.0 Tons

Inventories of G.S.M. Materials for May '59 & '93 Completed.
CHIEF ENGINEER

WATCH ENGR'S SIGNATURE - Thos. Lund

#1	BLRS. #2	
9.34	P.ALK. 9.	34
14.07	T.ALK. 14.	07
3.31	CHL. 3.	31
30	PHOS.	40
8.0	P.H. Cond.	8.0
40	~~P.H.D.C.~~	40
CHEMICALS ADDED		
	ADT.	
	G.C.	
	A.R.C	
STEAMING HOURS		
1012	F.S. 1534	
1012	W.S. 1534	

CHIEF ENGR'S SIGNATURE - W.H. Chamberlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Henry Gibbins Gage	12-5	Kwajalein Eniwetok	Naval Facility Italy	12-12-52	5/25-27/68

	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)	4869 3750	4871 6720	4873 7990	4875 9240	4878 0540	4880 3800
TOTAL REVOLUTIONS (FOR WATCH)	23110	22940	21270	21250	21300	23260
AVERAGE RPM	96.2	95.7	96.7	96.5	96.8	96.9
F.O. METER (END OF WATCH)	1446 0530	1446 3060	1446 5400	1446 7730	1447 0060	1447 2590
F.O. CONSUMED	2540	2530	2340	2330	2330	2530
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	23	23	23	23	23	23
VACUUM	28"	28.0"	28"	28"	28.1"	28.2
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.5	1.5	1.5	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10"	10"	10"	10"	10"	10
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	705	705	705	705	705	705
L. P. EXHAUST	102	100	98	102	98	98
CONDENSATE	98	99	98	97	97	98
CIRC. WATER IN	72	72	71	70	70	69
CIRC. WATER OUT	83	84	84	81	82	82
L.O. TO COOLERS	124	126	128	128	126	128
L.O. FROM COOLERS	107	108	110	108	109	110
TEMPERATURE THRUST BEARING	117	116	117	117	116	117
FORWARD H.P. ROTOR BEARING	123	123	124	122	122	124
AFT. H.P. ROTOR BEARING	135	136	136	137	135	137
FORWARD L.P. ROTOR BEARING	133	133	135	133	132	134
AFT. L.P. ROTOR BEARING	128	130	128	130	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		154	155	155	155	155	155
HOTTEST GEAR BEARING AFT		143	144	146	146	144	147
AUX. COND. CONDENSATE		117	112	116	112	108	116
1ST STAGE FEED WATER HEATER		162	162	160	162	162	163
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	P	680	710	685	680	710	675
	S	690	710	685	682	710	685
F.O. TO BURNERS		190	190	190	190	190	190
AIR TO FURNACE	P	132	132	132	132	132	132
	S	119	120	118	118	118	117
F.O. TEMP. IN SETTLING TANKS	P	105	112	114	110	106	108
	S	100	100	100	98	97	98
PORT BOILER UPTAKE		315	314	314	317	318	315
STBD. BOILER UPTAKE		310	312	310	310	320	315
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE							
MAIN STEAM		450	450	450	450	450	450
F.O. TO BURNERS		160	150	160	160	160	160
MISCELLANEOUS – MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		93	91	90	89	89	90
FIRE ROOM TEMPERATURE		93	91	90	89	89	90
NOZZLES IN USE		18	18	18	18	18	18
NO. OF BURNERS IN USE	P	3	3	3	3	3	3
	S	3	3	3	3	3	3
BURNER TIP SIZE	P	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	13.5	13.5	13.5	13.0	13.5
CO_2 % STBD. BOILER		13.5	13.5	13.5	13.5	13.5	13.5
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'7"	1'7"	1'7"	1'7"
HP Thrust		.050	.050	.050	.050	.050	.050
LP Thrust		.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	1	1200	440	- SEALED								
	2	1200	440	705	7.2	133	119		67	1300	1300	240
1600 TO 2000				~~705~~ H.H.								
	2	1200	440	705	7.1	133	118		67	1300	1300	240
2000 TO 2400				~~705~~	S	E	C	U	R	E	D	
	2	1200	440	705	7.1	132	116		68	1300	1300	240
2400 TO 0400												
	2	1200	440	705	7.1	132	118		67	1300	1300	240
0400 TO 0800												
	2	1200	440	705	7.1	132	114		67	1350	1350	240
0800 TO 1200	1			S	E	C	U	R	E	D		
	2	1200	440	705	7.1	132	116		67	1350	1350	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1447290	BOILER WATER – ON HAND AT START OF DAY	209
	METER PREVIOUS NOON	1405790	EVAPORATED OR RECEIVED	76
	CONSUMED BY METER	14600	ON HAND	213
	ON HAND AT START OF DAY	13725	CONSUMED	42
	RECEIVED DURING DAY	—	LUBE OIL – ON HAND AT START OF DAY	1918
	EXPENDED DURING DAY	724	RECEIVED	
	REMAINING ON BOARD	12701	ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	820	CONSUMED	
	EVAPORATED OR RECEIVED	121	DIESEL OIL – ON HAND	2094
	ON HAND	877	RECEIVED	
	CONSUMED	64	CONSUMED	

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

23/45000

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	23/1320	PROPELLER SLIP (%)	1.22% [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.675
TOTAL REVOLUTIONS	133160	WIND DIRECTION	225° 12 kts.
AVERAGE R.P.M.	96.5/95.6	STATE OF SEA	225° 4'
TOTAL MILES BY ENGINE	422	STATE OF WEATHER	0' Beat
TOTAL MILES BY OBSERVATION	432		

REMARKS

1200-1600 WATCH
UNDERWAY @ 18 NOZZLES-MACH. IN OPERATION-B-1-2,G-1-2,M-1,MC-2,S-1,ME-G, A-1,AC-1,AE-G,D-1-2,P-1-2,F-1-2,C-1,L-1,LC-1,&E-1-CLN'd & chg'd F.O. BURNERS & disch. STR'S-CLN'd & chg'd MN. L.O. STR'S-ROUTINE TESTS & INSPECT'S OF MACH. & SPACES-TESTED low L.O. TRIP & O.S. TRIP ON MN. UN.T-M.U.F. USED Fwd & Aft E.R.'S-5.3 TONS-1500-SECURED #1 GEN.-REMOVED NIPPLE FROM COOLING IN. TO L.O. COOLER-

WATCH ENGR'S SIGNATURE- R A Whatley 3RD A/E

1600-2000 WATCH
Underway 18 Nozzles machinery Evaporation As Before Changed & Cleaned F.O. Burners & suct. strainers. Blew Tubes on Port & stbd. Boilers @ 1600. Pumped F.O. Sett. from #7 & D.B. same Empty. Pumped Bilges. M.U.F. used in Fwd & Aft. Eng. Rooms. 5.5 Tons.

WATCH ENGR'S SIGNATURE- F. Harris

2000-2400 WATCH
Underway 18 Nozz Mach. as before, Changed & cleaned F.O. Burners & Disch. str's. Made routine rounds of insp. of mach. & Mach. spaces for steaming. Pumped E.R. Bilges & Refer Boxes. Advanced Clock 20 min. w/Bridge M.U. used Fwd. & Aft. E.R. 7.9 Tons Cleaned and checked Low oil pressure & Back pressure stops Governor oil for leaks #1 Turbo-GEN.

WATCH ENGR'S SIGNATURE- Thos F. Lund

2400-0400 WATCH
UNDERWAY @ 18 NOZZLES-MACH AS BEFORE-CLN'd & chg'd. F.O. BURNERS & disch. STR'S-ROUTINE TESTS & INSPECT'S OF MACH. & SPACES-Complied with N/S ORDERS-0100-ADVANCED CLOCK 20 MINS-TIME chk'd. w/BRIDGE-M.U.F. used Fwd & Aft E.R.'S-4.2 TONS-

WATCH ENGR'S SIGNATURE- R A Whatley 3RD A/E

0400-0800 WATCH
Underway 18 Nozzles machinery Evaporation As Before Changed & cleaned F.O. Burner & suct. Strainers. Advanced clock 20 min. @ 0500. Pumped F.O. sett. from #8 & F.O. TK #13. Pumped Bilges M.U.F. used in Fwd & Aft. Eng. Rooms 3.4 Tons.

WATCH ENGR'S SIGNATURE- F. Harris

0800-1200 WATCH
Underway 18 Nozz. Mach. as before 08.00-08.30 Blew Tubes #1 & 2 Boilers 13/notified Changed & cleaned F.O. Burners & Disch. str's, Pumped E.R. Bilges & Refer Boxes, Made routine rounds of insp. of Mach. & Mach. spaces, 08.30 Tested Fire & smoke Alarm F/Bridge, Durand & Tufilo Eng. Utility men cleaning condenser #1 Turbo-GEN., Elect.s Brooks & Saylor cleaning & working on #1 Gen. 09.30-10.30 Tested EMER. Diesel Fire Pumps #1 & 2 M.U. used Fwd & AFT. E.R. 5.3 Tons

WATCH ENGR'S SIGNATURE- Thos F. Lund

CHIEF ENGINEER

#1	BLRS.	#2
9.34	P.ALK.	9.34
14.02	T.ALK.	14.02
3.31	CHL.	3.31
30	PHOS.	40
8.00	P.H. Cond.	8.0
40	~~P.H. S.C.~~ 563	40
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
1035	F.S. 1557	
1030	W.S. 1557	

CHIEF ENGR'S SIGNATURE- [illegible]

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
[illegible]	12-A	[illegible]	[illegible]	[illegible]	[illegible]

	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)	4882 6980	4885 0130	4887 3360	4889 6500	4891 9650	4894 2830
TOTAL REVOLUTIONS (FOR WATCH)	23180	23150	23230	23140	23080	23250
AVERAGE RPM	96.5	96.4	96.8	96.4	96.1	96.9
F.O. METER (END OF WATCH)	1447 5110	1447 7630	1448 0100	1448 2580	1448 5070	1448 7600
F.O. CONSUMED	2520	2520	2470	2480	2490	2530
MACHINERY PARTICULARS — PRESSURES — THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	23	23	23	23	23	23
VACUUM	28.2"	28.2"	28.2	28.2"	28.2"	28.2
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.5	1.5	1.5	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10"	10"	10	10	10"	10
MACHINERY PARTICULARS — TEMPERATURES — STEAM AT THROTTLE	705	705	710	710	705	700
L. P. EXHAUST	101	98	99	103	97	97
CONDENSATE	98	98	99	99	96	97
CIRC. WATER IN	70	71	71	72	68	69
CIRC. WATER OUT	82	82	82	83	86	80
L.O. TO COOLERS	126	126	125	125	126	126
L.O. FROM COOLERS	106	107	107	107	107	108
TEMPERATURE THRUST BEARING	116	116	116	115	116	116
FORWARD H.P. ROTOR BEARING	123	122	122	122	122	122
AFT. H.P. ROTOR BEARING	137	136	135	136	136	136
FORWARD L.P. ROTOR BEARING	133	133	133	133	133	133
AFT. L.P. ROTOR BEARING	128	129	128	128	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		155	155	155	155	155	155
HOTTEST GEAR BEARING AFT		145	145	145	144	145	145
AUX. COND. CONDENSATE		112	110	110	113	110	112
1ST STAGE FEED WATER HEATER		163	163	163	163	162	162
D. C. FEED WATER HEATER		240	240	240	240	240	240
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS — TEMPERATURES — SUPER HEAT	P	675	710	685	682	710	670
	S	685	710	690	690	710	680
F.O. TO BURNERS		190	190	190	190	190	140
AIR TO FURNACE	P	131	132	132	131	129	130
	S	117	118	117	116	115	112
F.O. TEMP. IN SETTLING TANKS	P	105	108	108	108	110	110
	S	95	93	93	92	92	92
PORT BOILER UPTAKE		316	318	320	322	317	313
STBD. BOILER UPTAKE		322	315	315	322	317	313
BOILER PARTICULARS — PRESSURES — F. O. BACK PRESSURE							
MAIN STEAM		450	450	450	450	450	450
F.O. TO BURNERS		160	160	150	150	150	150
MISCELLANEOUS — MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		90	90	89	89	87	87
FIRE ROOM TEMPERATURE		90	90	89	89	87	87
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	13.5	13.5	13.5	13.5	13.5
CO_2 % STBD. BOILER		13.5	13.5	13.5	13.5	13.5	13.0
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'7"	1'7"	1'7"	1.7
HP THRUST		.050	.050	.050	.050	.050	.050
LP THRUST		.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	2	1200	440	705	7.1	132	117		67	1300	1300	240
1600 TO 2000	2	1200	440	705	7	132	117		67	1300	1375	240
2000 TO 2400	2	1200	440	710	7.1	132	118		67	1300	1300	240
2400 TO 0400	2	1200	440	710	7.1	132	118		67	1300	1300	240
0400 TO 0800	2	1200	440	705	7	131	116		67	1375	1400	240
0800 TO 1200	2	1200	440	700	7	130	116		67	1350	1350	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1448 7600	BOILER WATER — ON HAND AT START OF DAY	213
	METER PREVIOUS NOON	1447 2590	EVAPORATED OR RECEIVED	76
	CONSUMED BY METER	15010	ON HAND	227
	ON HAND AT START OF DAY	12701	CONSUMED	63
	RECEIVED DURING DAY	—	LUBE OIL — ON HAND AT START OF DAY	12.5
	EXPENDED DURING DAY	661	RECEIVED	—
	REMAINING ON BOARD	12040	ON HAND	—
DOMESTIC WATER	ON HAND AT START OF DAY	877	CONSUMED	—
	EVAPORATED OR RECEIVED	45	DIESEL OIL — ON HAND	2000
	ON HAND	817	RECEIVED	
	CONSUMED	45	CONSUMED	—

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

20 / 83700

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 (%)	10.88% [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.443
TOTAL REVOLUTIONS	139031	WIND DIRECTION	180°-10K
AVERAGE R.P.M.	96.5/96.8	STATE OF SEA	180°-6'
TOTAL MILES BY ENGINE	514	STATE OF WEATHER	[illegible]
TOTAL MILES BY OBSERVATION	458		

REMARKS

1200-1600 WATCH
UNDERWAY @ 18 NOZZLES - MACH. IN OPERATION - B-1+2, G-2, M-1, MC-2, S-1, ME-G, A-1, AC-1, AE-G, D-1+2, P-1+2, F-1+2, C-1, L-1, LC-1, + E-1 - Clnd + chgd. F.O. burners + str's - Clnd + chgd MN L.O. str's - Routine tests + inspects of mach + spaces - Utility-men renewed nipple on cooling water in to L.O. cooler - #1 gen. - Elects opened + clnd #1 gen - M.U.F. used Fwd. + Aft E.R.'s - 4.5 Tons - 1515 - Stby - Abandon Ship Drill - 1521 - ~~H~~ - 1523 - Stby - Man Ovbd Drill - 1531 - ~~H~~

WATCH ENGR'S SIGNATURE - R M Wheatley 3RD A/E

1600-2000 WATCH
Underway 18 nozzles machinery Evaporation as Before changed & cleaned F.O. Burners + suct. strainers. Blew Tubes on Port & stbd. @ 1600. Pumped F.O. sett. from #8 & D.B. F.O. TK. Pumped Bilges. M.U.F. used in Fwd & Aft. Eng. Rooms. 6.0 Tons.

WATCH ENGR'S SIGNATURE - L. Harris

2000-2400 WATCH
Underway 18 nozz, Mach. as before, Changed & cleaned F.O. Burners & Disch. STRs, Made routine rounds of insp. of Mach. & mach. spaces inc steering, Pumped E.R. Bilges & Refer Boxes, 2205 Ch. Eng. in E.R. M.U. used Fwd. & Aft. E.R. 3.4 Tons.

WATCH ENGR'S SIGNATURE - Theo F. Lund

2400-0400 WATCH
UNDERWAY @ 18 NOZZLES - MACH. AS BEFORE - Clnd + chgd. F.O. BURNERS + disch str's - ROUTINE TESTS + INSPECT'S of MACH + SPACES - PUMPED E.R. bilges - Complied with N/S ORDERS - M.U.F. USED Fwd + Aft E.R.'s - 5.3 TONS -

WATCH ENGR'S SIGNATURE - R M Wheatley 3RD A/E

0400-0800 WATCH
Underway 18 nozzles machinery Evaporation as Before changed & cleaned F.O. Burners + suct. strainers. Pumped F.O. sett. from #8 & D.B. Tks. Pumped Bilges. M.U.F. used in Fwd. & Aft Eng Rooms 3.4 Tons.

WATCH ENGR'S SIGNATURE - L. Harris

0800-1200 WATCH
Underway 18 nozz - Mach. as before. 0800 Blew Tubes #1 + #2 Boilers / Notified. 0840 Tested Fire & smoke Alarm F/Bridge Changed & cleaned F.O. Burners & Disch. STRs. Made routine rounds of insp of Mach. spaces inc steering, Pumped E.R. Bilges - Holds & Refer Boxes, Stby @ 1033, M.U. used Fwd. & Aft. E.R. 5.3 Tons,

WATCH ENGR'S SIGNATURE - Theo F. Lund

CHIEF ENGINEER
1200-1600 - Clnd. #1 gen. - Removed brushes + washed out gen. with 2 gal. LEKTRO cleaner - Chkd. connections, brushes, brush tension - Replaced (3) brushes + sanded in - Megger Readings - 3 megs -

#1	BLRS. #2	
9.34	P.ALK. 9.3	4
14.02	T.ALK. 14.02	
3.31	CHL. 3.31	
30	PHOS.	40
640	P.H. Cond.	840
35	~~P.H. D.C.~~ SO3	35
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C.	
STEAMING HOURS		
1059	F.S. 1581	
1059	W.S. 1581	

CHIEF ENGR'S SIGNATURE - J. H. Champlain

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
[illegible]	12-15	[illegible]	[illegible] Italy	[illegible]	8/30-31/68

	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)	4896 6020	4898 9250	4901 0320	4903 1830	4905 3530	4907 6930
TOTAL REVOLUTIONS (FOR WATCH)	23190	23230	21270	21310	21700	23400
AVERAGE RPM	96.6	96.8	96.7	96.8	98.6	97.5 1450
F.O. METER (END OF WATCH)	1449 0080	1449 2590	1449 4890	1449 7180	1449 9690	~~1450~~ 2250
F.O. CONSUMED	2480	2510	2300	2290	2510	2560
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	23	23	23	23	23	23.5
VACUUM	28.3"	28.3"	28.3	28.3"	28.2"	28.3
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10.5	10	10	10	10	10
GLAND STEAM	1.5	1.5	1.5	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10"	10"	10"	10"	10"	10"
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	705	705	705	700	700	700
L. P. EXHAUST	100	97	96	101	98	96
CONDENSATE	95	96	96	97	98	95
CIRC. WATER IN	68	68	68	70	66	66
CIRC. WATER OUT	80	80	80	81	80	80
L.O. TO COOLERS	126	126	126	126	126	125
L.O. FROM COOLERS	107	107	107	107	107	107
TEMPERATURE THRUST BEARING	117	117	117	117	116	116
FORWARD H.P. ROTOR BEARING	123	123	122	122	122	122
AFT. H.P. ROTOR BEARING	137	136	135	137	136	135
FORWARD L.P. ROTOR BEARING	133	133	132	133	134	133
AFT. L.P. ROTOR BEARING	128	128	128	128	129	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	155	155	154	155	155	154
	HOTTEST GEAR BEARING AFT	145	145	144	145	145	144
	AUX. COND. CONDENSATE	110	110	116	109	105	106
	1ST STAGE FEED WATER HEATER	163	162	162	162	165	162
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT P		670	710	680	675	705	675 ~~700~~
SUPER HEAT S		680	710	680	680	705	685
F.O. TO BURNERS		190	190	190	160	160	160
AIR TO FURNACE P		130	128	129	129	129	127
AIR TO FURNACE S		115	114	115	114	114	112
F.O. TEMP. IN SETTLING TANKS P		108	79	80	80	80	80
F.O. TEMP. IN SETTLING TANKS S		92	98	98	95	80	80
PORT BOILER UPTAKE		315	317	318	320	327	325
STBD. BOILER UPTAKE		310	320	328	340	357	320
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE							
MAIN STEAM		450	450	450	450	450	450
F.O. TO BURNERS		150	150	150	150	150	150
MISCELLANEOUS – MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		86	85	86	85	85	84
FIRE ROOM TEMPERATURE		86	85	86	85	85	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	13.5	13.5	13.5	13.5	13.5
CO_2 % STBD. BOILER		13.5	13.5	13.5	13.5	13.5	13.5
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'7"	1'7"	1'7"	1'7"
HP THRUST		.050	.050	.050	.050	.050	.050
LP THRUST		.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	2	1200	440	705	7.1	130	116		67	1350	1350	240
1600 TO 2000	2	1200	440	705	7	130	115		67	1175 ~~1225~~	1225	240
2000 TO 2400	2	1200	440	705	7	131	116		67	1200	1200	240
2400 TO 0400	2	1200	440	700	7.1	130	116		67	1200	1200	240
0400 TO 0800	2	1200	440	700	7	130	115		67	1375	1425	240
0800 TO 1200	2	1200	440	700	7	130	115		67		1300	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	19702210
	METER PREVIOUS NOON	19657600
	CONSUMED BY METER	44610
	ON HAND AT START OF DAY	12220
	RECEIVED DURING DAY	—
	EXPENDED DURING DAY	724
	REMAINING ON BOARD	11496
DOMESTIC WATER	ON HAND AT START OF DAY	477
	EVAPORATED OR RECEIVED	17
	ON HAND	494
	CONSUMED	66
BOILER WATER	ON HAND AT START OF DAY	227
	EVAPORATED OR RECEIVED	72
	ON HAND	273
	CONSUMED	26
LUBE OIL	ON HAND AT START OF DAY	1318
	RECEIVED	—
	ON HAND	—
	CONSUMED	—
DIESEL OIL	ON HAND	2942
	RECEIVED	—
	CONSUMED	—

LOW PRESS. 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 2/3	3 2/3	3 2/3	4

SUMMARY

RUNNING TIME	23/1320	PROPELLER SLIP (%)	13.5 [illegible]
DETENTION TIME	—	BBL FUEL/MI	1.687
TOTAL REVOLUTIONS	134100	WIND DIRECTION	315° - 8 KTS
AVERAGE R.P.M.	97.3/96.4	STATE OF SEA	315° 4'
TOTAL MILES BY ENGINE	426	STATE OF WEATHER	Overcast
TOTAL MILES BY OBSERVATION	422		

REMARKS

1200-1600 WATCH

Underway @ 18 Nozzles - Mach. in operation - B-1+2, G-2, M-1, MC-2, S-1, MEG A-1, AC-1, AE-G, D-1+2, P-1+2, F-1+2, C-1, L-1, LC-1, & E-1 - Clnd. & chgd. F.O. burners & disch. str's - Routine tests & inspect's of mach. & spaces - Clnd. & chgd. MN. L.O. str's - M.U.F. used Fwd & Aft E.R's - 4.5 tons - 1219 - ~~4t~~

WATCH ENGR'S SIGNATURE - R M Whittley 3rd A/E

1600-2000 WATCH

Underway 18 nozzles machinery Inoperation as Before changed & cleaned F.O. Burners & suct. strainers. Blew Tubes on Port & stbd. Boilers @ 1600. Pumped F.O. Sett. from #1 P/S D.B. F.O. Tks. Navy Special In Inboard Settler. Pumped Bilges M.U.F. used in Fwd & Aft. Eng. Rooms. 4.9 tons.

WATCH ENGR'S SIGNATURE - F. Harris

2000-2400 WATCH

Underway 18 Nozz - Mach as before, Changed & cleaned F.O. Burners & Disch str's, Made routine rounds of insp of Mach. & Mach. spaces inc Steering, Bilge Pump inoperative (Electrical) 22:05 Ch. Eng. in E.R. @ 23:00 Advanced clock 20 Min W/Bridge M.U. used Fwd & AFT. E.R. 4.2 tons

WATCH ENGR'S SIGNATURE - Theo Lund

2400-0400 WATCH

Underway @ 18 Nozzles - Mach. as before - Clnd & chgd. F.O. burners & disch. str's - Routine tests & inspects of mach. & spaces - Complied with N/S orders - Pumped E.R. bilges - 0100 - Advanced clock 20 mins - Time chkd. w/Bridge - 0120-0140 - Conducted Eng. Casualty Drill E-5 (4 men) - Bridge Notified - Clnd. #1 L.O. purifier - M.U.F. used Fwd & Aft. E.R's - 4.5 tons - 0320 - Shifted F.O. suct. from outbd. to Inbd. settler -

WATCH ENGR'S SIGNATURE - R M Whittley 3rd A/E

0400-0800 WATCH

Underway 18 nozzles machinery Inoperation as Before changed & cleaned F.O. Burners & suct. strainers. Pumped F.O. Sett. from #1 P/S & #2 P D.B. Tks. #1 P/S D.B. Empty. Pumped Bilges. Advanced clock 20 min. @ 0500. M.U.F. used in Fwd & Aft. Eng. Rooms 4.5 tons.

WATCH ENGR'S SIGNATURE - F. Harris

0800-1200 WATCH

Underway 18 Nozz - Mach. as before 0800-0830 Blew Tubes #1 & #2 Boilers W/Notified changed & cleaned F.O. Burners & Disch. str's, Pumped E.R. Bilges - Holds & Refer Boxes, Made routine rounds of insp of Mach. & Mach. spaces inc steering changed & cleaned L.O. str's, #2 GEN 0836 Tested Fire & smoke Alarm W/B 0900-0930 Conducted Eng Casualty Drill E-5 4 MEN Present Bridge Notified M.U. used Fwd & Aft. E.R. 7.1 tons

WATCH ENGR'S SIGNATURE - Theo Lund

CHIEF ENGINEER

#1	BLRS. #2	
9.34	P.ALK. 9.	34
14.02	T.ALK. 14.	02
3.73	CHL. 3.	73
30	PHOS.	30
8.0	P.H. Cono.	8.0
3.5	~~P.H. O.C.~~ Sus	3.5
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C	
STEAMING HOURS		
1082	F.S. 1604	
1082	W.S. 1604	

CHIEF ENGR'S SIGNATURE - Wm. L. Hamilton

A-35544

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
[illegible]	12-A	[illegible]	[illegible]	[illegible]	5/31-6/1/66

	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)	4910 0020	4912 3320	4914 6590	4917 0120	4919 3440	4921 6730
TOTAL REVOLUTIONS (FOR WATCH)	23090	23300	23270	23530	23320	23290
AVERAGE RPM	96.2	97.1	97.0	98.0	97.2	97.0
F.O. METER (END OF WATCH)	1450 4780	1450 7320	1450 9850	1451 2380	1451 4930	1451 7480
F.O. CONSUMED	2530	2540	2530	2530	2550	2550
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	440	440	440	440	440
H.P. AHEAD	440	440	440	440	440	440
L.P. AHEAD	23	23	23.5	23	23.5	23
VACUUM	28.3"	28.3"	28.4	28.4"	28.4"	28.3
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	150	150
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	1.5	1.5	1.5	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10"	10"	10"	10"	10"	10"
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	705	710	710	715	710	710
L. P. EXHAUST	101	97	94	100	94	95
CONDENSATE	97	96	94	95	94	96
CIRC. WATER IN	68	67	65	68	66	65
CIRC. WATER OUT	80	81	78	80	78	79
L.O. TO COOLERS	126	126	126	126	126	127
L.O. FROM COOLERS	107	107	107	107	107	109
TEMPERATURE THRUST BEARING	116	116	117	115	116	117
FORWARD H.P. ROTOR BEARING	123	122	122	122	123	122
AFT. H.P. ROTOR BEARING	137	136	136	136	136	136
FORWARD L.P. ROTOR BEARING	133	132	133	133	132	134
AFT. L.P. ROTOR BEARING	128	128	128	128	127	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	155	155	155	155	155	155
	HOTTEST GEAR BEARING AFT	145	145	145	145	145	146
	AUX. COND. CONDENSATE	108	107	107	107	107	107
	1ST STAGE FEED WATER HEATER	162	162	162	162	160	162
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT P		670	715	675	680	715	680
SUPER HEAT S		680	715	700	690	715	700
F.O. TO BURNERS		160	150	150	150	145	
AIR TO FURNACE P		128	128	126	127	125	126
AIR TO FURNACE S		114	114	111	111	110	111
F.O. TEMP. IN SETTLING TANKS P		80	72	74	75	67	72
F.O. TEMP. IN SETTLING TANKS S		78	78	78	78	77	78
PORT BOILER UPTAKE		325	322	325	328	325	325
STBD. BOILER UPTAKE		325	324	325	328	326	320
BOILER PARTICULARS – PRESSURES – F. O. BACK PRESSURE							
MAIN STEAM		450	450	450	450	450	450
F.O. TO BURNERS		150	150	150	140	140	150
MISCELLANEOUS – MAIN COND. SALINITY		.41	.41	.41	.41	.41	.41
ENGINE ROOM TEMPERATURE		85	86	84	84	84	84
FIRE ROOM TEMPERATURE		85	86	84	84	84	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	13.5	13.5	13.5	13.5	13.5
CO_2 % STBD. BOILER		13.5	13.5	13.5	13.5	13.5	13.0
OIL LEVEL MAIN SUMP		1'7"	1'7"	1'7"	1'7"	1'7"	1'7"
HP THRUST		.050	.050	.050	.050	.050	.050
LP THRUST		.100	.100	.100	.100	.100	.100

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	2	1200	440	705	7.1	130	115		67	1250	1250	240
1600 TO 2000	2	1200	440	710	7	130	115		67	1200	1225	240
2000 TO 2400	2	1200	440	710	7	130	115		67	1250	1250	240
2400 TO 0400	2	1200	440	715	7.1	130	115		67	1175	1175	240
0400 TO 0800	2	1200	440	710	7	130	115		67	1250	1275	240
0800 TO 1200	2	1200	440	710	7	130	115		67	1250	1250	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1451/7480	BOILER WATER – ON HAND AT START OF DAY	273
	METER PREVIOUS NOON	1450/2350	BOILER WATER – EVAPORATED OR RECEIVED	73
	CONSUMED BY METER	15230	BOILER WATER – ON HAND	277
	ON HAND AT START OF DAY	13[illegible]	BOILER WATER – CONSUMED	49
	RECEIVED DURING DAY	–	LUBE OIL – ON HAND AT START OF DAY	1218
	EXPENDED DURING DAY	752	LUBE OIL – RECEIVED	–
	REMAINING ON BOARD	[illegible]	LUBE OIL – ON HAND	–
DOMESTIC WATER	ON HAND AT START OF DAY	848	LUBE OIL – CONSUMED	–
	EVAPORATED OR RECEIVED	[illegible]	DIESEL OIL – ON HAND	2000
	ON HAND	435	DIESEL OIL – RECEIVED	–
	CONSUMED	75	DIESEL OIL – CONSUMED	–

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

24/[illegible]

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	24/14400	PROPELLER SLIP (%)	11.4% [illegible]
DETENTION TIME	–	BBL FUEL/MI	1.642
TOTAL REVOLUTIONS	138800	WIND DIRECTION	270°-10 KTS
AVERAGE R.P.M.	970/96.2	STATE OF SEA	270°-2'
TOTAL MILES BY ENGINE	517	STATE OF WEATHER	Clear.
TOTAL MILES BY OBSERVATION	458		