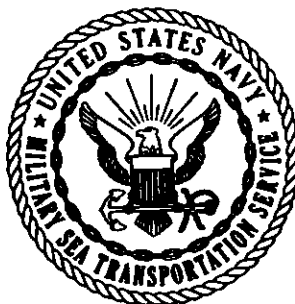


ENGINE ROOM LOG

GEARED TURBINE DRIVE



USNS GEN. JOHN POPE

2 E.R.

FROM 4 JAN. 19 66 TO _____ 19 ____

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 GENERAL JOHN POPE TAP 110	VOYAGE NO.	FROM S45-07, Japan	TO SAN FRANCISCO, CALIF	TYPE OF VESSEL	DATE 4/15/66
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	WATCH							WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	543	240	220	220	220	240	MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD	140	140	140	140	140
DETENTION TIME								HOTTEST GEAR BEARING AFT	136	138	136	140	136
REVOLUTION COUNTER (END OF WATCH)	5743	5742	5744	5746	5748	5750		AUX. COND. CONDENSATE	MM	MM	MM	MM	MM
TOTAL REVOLUTIONS (FOR WATCH)	2315	21840	20020	1977	1985	21040		1ST STAGE FEED WATER HEATER	144	147	146	147	
AVERAGE RPM	92.4	91.0	91.0	90.5	90.3	90.2		D. C. FEED WATER HEATER	235	240	240	240	240
F.O. METER (END OF WATCH)	3220	4410	5540	6690	7800	9050		3RD STAGE FEED WATER HEATER					
F.O. CONSUMED	200	2450	2230	2250	2300	2530		SUPER HEAT	P 540	590	580	590	590
PRESSURES	THROTTLE	425	425	425	425	425		S 540	590	580	590	590	590
	H.P. AHEAD	425	425	425	425	425		F.O. TO BURNERS	180	180	180	150	150
	L.P. AHEAD	18	18	18	18	17		AIR TO FURNACE	P 103	104	104	98	100
	VACUUM	29	29.5	29.5	29.5	29.5		S 103	104	102	102	98	100
	L.O. TO TURBINES	13	13	13	13	13		F.O. TEMP. IN SETTLING TANKS	P 104	104		110	110
	AUX. STEAM	155	150	150	150	150		S 104		115			
	BACK PRESSURE	11	11	11	11	11		PORT BOILER UPTAKE					
	GLAND STEAM	10	10	10	10	10		STBD. BOILER UPTAKE					
	H.P. BLEEDER	70	70	70	70	70		F. O. BACK PRESSURE					
	L.P. BLEEDER	8	8	9	9	9		MAIN STEAM	450	450	450	450	450
TEMPERATURES	L.P. BLEEDER	19	20	20	20	20	MISCELLANEOUS	F.O. TO BURNERS	125	125	130	130	140
	STEAM AT THROTTLE	590	590	580	590	590		MAIN COND. SALINITY	41	41	41	41	41
	L. P. EXHAUST	96	96	94	97	95		ENGINE ROOM TEMPERATURE	84	81	84	83	84
	CONDENSATE	92	94	92	93	91		FIRE ROOM TEMPERATURE					
	CIRC. WATER IN	60	62	60	59	61		NOZZLES IN USE	16	16	16	16	16
	CIRC. WATER OUT	76	76	75	75	76		NO. OF BURNERS IN USE	P 3	3	3	3	3
	L.O. TO COOLERS	129	130	129	129	128		S 3	3	3	3	3	3
	L.O. FROM COOLERS	110	110	110	110	109		BURNER TIP SIZE	P A	A	A	A	A
	TEMPERATURE THRUST BEARING	115	112	112	117	112		S A	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING	125	124	124	125	124		CO ₂ % PORT BOILER					
PRESSURES	AFT. H.P. ROTOR BEARING	130	130	130	130	130		CO ₂ % STBD. BOILER					
	FORWARD L.P. ROTOR BEARING	132	132	130	130	130		OIL LEVEL MAIN SUMP	Norm	Norm	Norm	Norm	Norm
	AFT. L.P. ROTOR BEARING	126	126	126	126	124							

WATCH	GENERATORS										FUEL - WATER AND LUBE OIL			
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	WATER
1200 TO 1600	3	1200	450	590	8	132	110		70	1000	1000	240	METER AT NOON	ON HAND AT START OF DAY
	4	1200	450	590	8	138	125		40	1000	1000	240	METER PREVIOUS NOON	EVAPORATED OR RECEIVED
1600 TO 2000	3	1200	450	590	8	130	108		70	950	950	240	CONSUMED BY METER	ON HAND
	4	1200	450	590	7	140	126		40	950	950	240	ON HAND AT START OF DAY	CONSUMED
2000 TO 2400	3	1200	450	580	8	130	110		70	900	900	240	RECEIVED DURING DAY	ON HAND AT START OF DAY
	4	1200	450	580	8	140	125		78	900	900	240	EXPENDED DURING DAY	RECEIVED
2400 TO 0400	3	1200	450	580	8	132	110		70	900	900	240	REMAINING ON BOARD	ON HAND
	4	1200	450	580	8	138	124		48	900	900	240		CONSUMED
0400 TO 0800	3	1200	450	580	8	132	110		70	900	900	240	ON HAND AT START OF DAY	CONSUMED
	4	1200	450	580	8	140	126		48	900	900	240	EVAPORATED OR RECEIVED	ON HAND
0800 TO 1200	3	1200	450	590	8	132	107		70	1100	1100	240	ON HAND	RECEIVED
	4	1200	450	590	8	138	124		48	1100	1100	240	CONSUMED	CONSUMED

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	3:40	3:40	3:40	4

SUMMARY

RUNNING TIME	7314.5	PROPELLER SLIP (%)	
DETENTION TIME		BBL FUEL MI	
TOTAL REVOLUTIONS	12550	WIND DIRECTION	
AVERAGE R.P.M.	90.9	STATE OF SEA	
TOTAL MILES BY ENGINE	468	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	424		

REMARKS

1200-1600 WATCH

Mach in operation as follows, Main Unit, both main condensate pumps, Main E.C., #3 & #4 Thrust Pumps and oil pumps, #3 & #4 boilers, both main feed pumps and both E.C. & F.C. service pumps. Elect. L.O. pump, elect. sanitary pump, elect. F.W. pump. 1320 Secured FIRE pump & sanitary pump by request of plumber. 1345 FIRE pump & sanitary pump back in operation.

FORM (P. 1773200)

XS-582 6220

WATCH ENGR'S SIGNATURE-

M. Hipping

1600-2000 WATCH

MACH AS BEFORE. CHANGED & CLEANED #4 BURNER & HOT OIL STRAINERS. BLEW TUBES #3 & #4 BURS. STEERING ENGINE CASUALTY. STRY @ 1814 4 @ 1818. STRUCK DOWN L.O. FROM SUPPLY TK TO S/AFT ALLEY L.O. DAY TK. COMPOUNDED #1 BUR.

WATCH ENGR'S SIGNATURE-

J. Pearson

2000-2400 WATCH

MACH. AS BEFORE - CHANGED + CLEANED #5 F.O. BURNER + SUCT. + DISCH. STRAINERS - PUMPED UP D.O. STORAGE TK. - CHANGED + CLEANED H.O. STRAINERS #3 + #4 AUX. GEN. - PUMPED BILGES - ADVANCED CLOCK 20 MIN @ 2300

WATCH ENGR'S SIGNATURE-

J. Pearson

2400-0400 WATCH

Mach as before & changed & cleaned #2 F.O. burner & discharge strainer. Changed L.O. strainer main unit & advanced clock 20 min @ 0100

FORM (P. 1776600) XS-582 9690

WATCH ENGR'S SIGNATURE-

M. Hipping

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & F.O. STRAINERS. COMPOUNDED #3 BUR. ADVANCED CLOCK 20 mins @ 0500

WATCH ENGR'S SIGNATURE-

J. Pearson

0800-1200 WATCH

MACH AS BEFORE - BLEW TUBES #3 + #4 BOILERS - CHANGED & CLEANED #6 F.O. BURNER + DISCH. STRAINERS - SEC. #3 AUX. GEN. @ 0740 - ADDED 3 GAL. L.O. TO #4 F.O. PUMP - #3 GEN. BACK ONLINE @ 1055 - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

J. Pearson

CHIEF ENGINEER

1-5-66 @ 0700

#3 #4

P 6.43 8.18

T 8.76 15.18

C/W 6.63 9.53

P/LOS 25 40

S/M des 981-962

CHIEF ENGR'S SIGNATURE-

J. Pearson

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL							
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	DOMESTIC WATER	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
1200 TO 1600	3	1200	450	590	8	132	110		70	1200	1200	240	METER AT NOON	6830/4830	ON HAND AT START OF DAY	61				
	4	1200	450	590	8	135	125		45	1200	1200	240	METER PREVIOUS NOON	7450/2100	EVAPORATED OR RECEIVED					
1600 TO 2000	3	1200	450	590	8	130	109		70	800	800	240	CONSUMED BY METER	7780/7670	ON HAND	61				
	4	1200	450	590	8	140	126		48	800	800	240	ON HAND AT START OF DAY	9713	CONSUMED					
2000 TO 2400	3	1200	450	580	8	132	110		70	1000	1000	240	RECEIVED DURING DAY		ON HAND AT START OF DAY					
	4	1200	450	580	8	135	124		48	1000	1000	240	EXPENDED DURING DAY	349/338	RECEIVED					
2400 TO 0400	3	1200	450	580	8	132	110		70	1000	1000	240	REMAINING ON BOARD	9026	ON HAND					
	4	1200	450	570	8	138	125		48	1000	1000	240	ON HAND AT START OF DAY	1392	CONSUMED					
0400 TO 0800	3	1200	450	580	8	132	110		70	750	750	240	EVAPORATED OR RECEIVED	111	ON HAND					
	4	1200	450	580	8	137	125		48	750	750	240	ON HAND	1392	RECEIVED					
0800 TO 1200	3	1200	450	580	8	132	110		70	900	900	240	CONSUMED		CONSUMED					
	4	1200	450	580	8	138	124		48	900	900	240								

REMARKS

1200-1600 WATCH

Under operation as follows: Main Unit, both main and pumps, main in pump. #1 & 4 Tanker and air pump, #3 & 4 boiler, both main and pumps. #2 secondary pump, #12 Fuel Oil pump. 12 hrs shifted to #5 suction, cleaned L.O. purifier & cleaned F.O. suction & discharge strainers. Cleaned F.O. burner #2.

FOM (P-1780380) (S-5333430)

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACH AS BEFORE. CHANGED & CLEANED #2 BURNER & F.O. DISCH. STRNRS. BLEW TUBES #3 & 4 BLRS.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - HELD ENG. CASUALTY DRILL #E-7 2100 TO 2130 INST. WATCH - COMPLIED WITH STANDING & NIGHT ORDERS - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Mach as before - Changed & cleaned F.O. burner #1 & F.O. discharge strainers & L.O. strainer main unit. HELD ENGINE CASUALTY DRILL #7, 0130 hrs to 0200 hrs, 4 men present. 0215 hrs added 5 gal L.O. to #4 main F.O. pump.

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & F.O. STRNRS. HELD ENG. CASUALTY DRILL C-7 @ 0530-0545 AMONG WATCH PERSONNEL. COMPOUNDED #3 BLR.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O. BURNER & DISCH. STRAINER - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

1-6-66 @ 0400

#3 #4

P 6.43 10.51

T 8.76 15.18

CHL 6.21 9.94

Blows 25 40

STH HRS 1005-986

CHIEF ENGR'S SIGNATURE-

USNS GENERAL JOHN POPE
TAP 110

VOYAGE NO.

FROM
SASUB, JAPAN

TO
SAN FRANCISCO, CALIF

TYPE OF VESSEL

DATE
6-7 JAN 1960

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	245	240	220	220	220	240	HOTTEST GEAR BEARING FORWARD	140	140	140	140	140	140
DETENTION TIME							HOTTEST GEAR BEARING AFT	136	138	136	136	138	134
REVOLUTION COUNTER (END OF WATCH)	5761	5761	5769	5775	5774	5776	AUX. COND. CONDENSATE	141	141	141	141	141	141
TOTAL REVOLUTIONS (FOR WATCH)	22100	22100	20450	20570	20570	22320	1ST STAGE FEED WATER HEATER	140	140	142	142	146	142
AVERAGE RPM	92.2	92.1	93.0	92.3	93.4	93.0	D. C. FEED WATER HEATER	238	238	238	238	238	238
F.O. METER (END OF WATCH)	2380	2380	3530	4630	5860	7110	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	2510	2510	2310	2320	2320	2510	TEMPERATURES (CONT'D)						
PRESSURES	THROTTLE	425	425	425	425	425	BOILER PARTICULARS	TEMPERATURES (CONT'D)					
	H.P. AHEAD	425	425	425	425	425		TEMPERATURES (CONT'D)					
	L.P. AHEAD	18	18	18	18	18		TEMPERATURES (CONT'D)					
	VACUUM	29.5	29.5	29.5	29.5	29.5		TEMPERATURES (CONT'D)					
	L.O. TO TURBINES	13	13	13	13	13		TEMPERATURES (CONT'D)					
	AUX. STEAM	155	150	150	150	150		TEMPERATURES (CONT'D)					
	BACK PRESSURE	11	11	11	11	11		TEMPERATURES (CONT'D)					
	GLAND STEAM	1.0	1.0	1.0	1.0	1.0		TEMPERATURES (CONT'D)					
	H.P. BLEEDER	70	70	70	70	70		TEMPERATURES (CONT'D)					
	I.P. BLEEDER	8	8	9	9	9		TEMPERATURES (CONT'D)					
TEMPERATURES	L.P. BLEEDER	20	20	20	20	20	MISCELLANEOUS	TEMPERATURES (CONT'D)					
	STEAM AT THROTTLE	580	580	590	590	580		TEMPERATURES (CONT'D)					
	L. P. EXHAUST	91	91	91	92	92		TEMPERATURES (CONT'D)					
	CONDENSATE	87	86	86	87	86		TEMPERATURES (CONT'D)					
	CIRC. WATER IN	55	55	56	56	55		TEMPERATURES (CONT'D)					
	CIRC. WATER OUT	72	72	71	72	70		TEMPERATURES (CONT'D)					
	L.O. TO COOLERS	128	128	128	129	129		TEMPERATURES (CONT'D)					
	L.O. FROM COOLERS	110	110	110	110	110		TEMPERATURES (CONT'D)					
	TEMPERATURE THRUST BEARING	112	112	112	112	112		TEMPERATURES (CONT'D)					
	FORWARD H.P. ROTOR BEARING	124	124	122	124	123		TEMPERATURES (CONT'D)					
PRESSURES	AFT. H.P. ROTOR BEARING	130	130	130	131	130	MISCELLANEOUS	TEMPERATURES (CONT'D)					
	FORWARD L.P. ROTOR BEARING	132	130	130	132	130		TEMPERATURES (CONT'D)					
	AFT. L.P. ROTOR BEARING	125	125	124	124	124		TEMPERATURES (CONT'D)					
								TEMPERATURES (CONT'D)					
								TEMPERATURES (CONT'D)					
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								TEMPERATURES (CONT'D)					
TEMPERATURES							MISCELLANEOUS	TEMPERATURES (CONT'D)					
								TEMPERATURES (CONT'D)					
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								TEMPERATURES (CONT'D)					
								TEMPERATURES (CONT'D)					

GENERATORS											FUEL - WATER AND LUBE OIL			
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	METER AT NOON	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED
1200 TO 1600	3	1200	455	580	8	132	110		70	900	900	240		
	4	1200	455	580	8	132	110		70	900	900	240		
1600 TO 2000	3	1200	450	580	8	132	110		70	900	900	240		
	4	1200	450	580	8	137	124		48	900	900	240		
2000 TO 2400	3	1200	450	590	8	132	110		70	950	950	240		
	4	1200	450	590	8	138	124		48	950	950	240		
2400 TO 0400	3	1200	455	590	8	132	110		70	900	900	240		
	4	1200	455	590	8	138	124		48	900	900	240		
0400 TO 0800	3	1200	450	590	8	132	110		70	900	900	240		
	4	1200	450	590	8	138	124		48	900	900	240		
0800 TO 1200	3	1200	450	580	8	131	110		70	950	950	240		
	4	1200	450	580	8	138	124		48	950	950	240		
FUEL OIL											FUEL - WATER AND LUBE OIL			
											METER AT NOON	1400/7110	ON HAND AT START OF DAY	61
											METER PREVIOUS NOON	6830/19830	EVAPORATED OR RECEIVED	
											CONSUMED BY METER	7270/7280	ON HAND	79
											ON HAND AT START OF DAY	9026	CONSUMED	162
											RECEIVED DURING DAY		ON HAND AT START OF DAY	
											EXPENDED DURING DAY	338/294	RECEIVED	
											REMAINING ON BOARD	2404	ON HAND	
											ON HAND AT START OF DAY	1395	CONSUMED	
											EVAPORATED OR RECEIVED		ON HAND	
											ON HAND	1362	RECEIVED	
											CONSUMED	30	CONSUMED	
											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	3:40	3:40
											3:40	3:40	4	
											SUMMARY			
											RUNNING TIME	23435	PROPELLER SLIP (%)	
											DETENTION TIME		BBL FUEL MI	
											TOTAL REVOLUTIONS	12787	WIND DIRECTION	
											AVERAGE R.P.M.	92.66	STATE OF SEA	
											TOTAL MILES BY ENGINE	477	STATE OF WEATHER	
											TOTAL MILES BY OBSERVATION	429		

REMARKS

1200-1600 WATCH

Mach in operation as follows, Main Unit #3 & #4 Main Cond. pumps & #2 Bilges Str. pump & Elect L.O. pump #2. #3 Turbo Gen. & #4 Turbo Gen. #2 Make up Feed w/af. #2 Contam-inated evap. #2 Elect sanitary pump, #2 Elect Ew pump, #3 & #4 Steam Gen., #3 & #4 Main F.D. pumps, #2 Aux. air pump. F.O. suction shifted to outboard high at 12 min. Changed F.O. discharge section strainer & #2 burner. Added 4 gal to #3 MAIN F.D. pump. 1520 hrs Stand By - steering ENG - CRUISING. Drilled second frame at 1530 hrs & back to 4H.

FOM (P-1783123) (S-5541112)

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BILGES. CHANGED & CLEANED #4 BURNER & F.O. DISCH. STRAINERS.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #1 F.O. BURNER & SUCT. & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - ADVANCED CLOCK 20 MIN @ 2300 - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Mach as before, changed & cleaned #1 Burner & F.O. discharge strainer. cleared bilges & 2 strainers. clocks advanced clocks 20 min.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & F.O. STRAINERS. ADVANCED CLOCK 20 mins @ 0500

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BILGES - CHANGED & CLEANED #6 F.O. BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - REPACKED AUX. COND. PUMP & INST. - ED SEALING WATER LINE - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

1-7-66 @ 0400

#3 #4

P 7.59 10.51

T 993 12.85

G 6.21 10.77

R 6.30 35

54 hrs 1028-1009

CHIEF ENGR'S SIGNATURE

	WATCH	GENERATORS											
		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600		3	1200	450	590	8	132	110		70	900	900	240
		4	1200	450	590	8	132	124		48	900	900	240
1600 TO 2000		3	1200	450	590	8	132	110		70	900	900	240
		4	1200	450	590	8	138	125		48	900	900	240
2000 TO 2400		3	1200	450	590	8	132	110		70	900	900	240
		4	1200	450	590	8	138	125		48	900	900	240
2400 TO 0400		3	1200	450	590	8	132	110		70	900	900	240
		4	1200	450	590	8	132	110		70	900	900	240
0400 TO 0800		3	1200	450	590	8	132	110		70	900	900	240
		4	1200	450	590	8	137	124		48	900	900	240
0800 TO 1200		3	1200	450	590	8	134	110		70	950	950	240
		4	1200	450	590	8	138	124		48	950	950	240

FUEL - WATER AND LUBE OIL				
METER AT NOON	1270 / 4450	BOILER WATER	ON HAND AT START OF DAY	194
METER PREVIOUS NOON	4100 / 7110		EVAPORATED OR RECEIVED	22'
CONSUMED BY METER	7176 / 7340	LUBE OIL	ON HAND	241
ON HAND AT START OF DAY	8404		CONSUMED	
RECEIVED DURING DAY		DIESEL OIL	ON HAND AT START OF DAY	
EXPENDED DURING DAY	327 / 293		RECEIVED	
REMAINING ON BOARD	7784		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1342	CONSUMED	
	EVAPORATED OR RECEIVED	110	ON HAND	
	ON HAND	1412	RECEIVED	
	CONSUMED	60	CONSUMED	

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

L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	3:40	3:40	3:40	4

SUMMARY		
RUNNING TIME	23 HR 5	PROPELLER SLIP (%)
DETENTION TIME		BBL FUEL MI
TOTAL REVOLUTIONS	12830	WIND DIRECTION
AVERAGE R.P.M.	92.9	STATE OF SEA
TOTAL MILES BY ENGINE	478	STATE OF WEATHER
TOTAL MILES BY OBSERVATION	435	

REMARKS

1200-1600 WATCH

[illegible]

WATCH ENGR'S SIGNATURE.

1102-pp-19

1600-2000 WATCH

00-2000 WATCH
MACH AS BEFORE. BLEW TUBES #3 & 4 / BLIRS CHANGED & CLEANED #1 / BURNER
& F.O. DISCH STIRNERS

WATCH ENGR'S SIGNATURE

W. F. Thompson

2000-2400 WATCH

2000-2400 WATCH
MACH. AS BEFORE - CHANGED + CLEANED #5 F.O. BURNER + SUCT. + DISCH. STRAINERS -
ELECT. F.W. PUMP FAILURE @ 2030 - CALLED OUT CH. ELECT. TO REPAIR SAME - F.W. PUMP BACK ON
LINE @ 2140 - CHANGED + CLEANED L.O. STRAINERS #3 + #4 AFT. GEN. - ADVANCED CLOCK
20 MIN. @ 2300 - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

L. Baron

2400-0400 WATCH

2400-0400 WATCH: Mach as before, Changed to cleaned FFo burner to Fo discharge strainers, main LO strainer also has changed ab by 30 min.

WATCH ENGR'S SIGNATURE

W. A. Whipple

0400-0800 WATCH

0400-0800 WATCH
MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & F.O. STRNRS. ADVANCED CLOCK
20 mins @ OSCO. COMPOUNDED #3 BUR.

WATCH ENGR'S SIGNATURE

W. Brainerd

0800-1200 WATCH

0800-1200 WATCH
MACH. AS BEFORE - BLEW TUBES #3 + #4 BOILERS - CHANGED + CLEANED #6 F.O.
BURNER + DISCH. STRAINERS - CHANGED + CLEANED L.O. STRAINERS #3 + #4 AUX. GEM-
PUMPED BILGES -

WATCH ENGR'S SIGNATURE

L. Pearson

CHIEF ENGINEER

1-8-66

P 6.43 10.51

T 9.35 12.85

CHL 6.63 11.19

Pagos 25 30

STH HRS 1051 - 1032

CHIEF ENGR'S SIGNATURE

McPherson

USNS GENERAL JOHN POPE TAP 110 VOYAGE NO. FROM TO TYPE OF VESSEL DATE 8-4 Jan 66

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240	HOTTEST GEAR BEARING FORWARD	140	140	140	140	140	145
DETENTION TIME							HOTTEST GEAR BEARING AFT	136	140	138	136	140	138
REVOLUTION COUNTER (END OF WATCH)	5741	5793	5795	5797	5799	5802	AUX. COND. CONDENSATE	MN	MN	MN	MN	MN	MN
TOTAL REVOLUTIONS (FOR WATCH)	22265	22380	20650	20610	20720	22480	1ST STAGE FEED WATER HEATER	140	141	141	142	146	135
AVERAGE RPM	93.7	93.2	93.9	93.7	94.2	93.7	D. C. FEED WATER HEATER	238	238	240	239	238	238
F.O. METER (END OF WATCH)	2340	3820	5000	6150	7340	8680	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	2620	2670	2380	2290	2460	2660	SUPER HEAT	P 350	590	590	590	590	580
PRESSURES	THROTTLE	420	425	425	425	425	S 310	590	590	590	590	590	580
	H.P. AHEAD	425	425	425	425	425	F.O. TO BURNERS	153	150	150	180	180	180
	L.P. AHEAD	15	18	18	18	18	AIR TO FURNACE	P 92	99	100	100	99	102
	VACUUM	29.5	29.5	29.5	29.5	29.5	S 100	98	96	97	98	102	
	L.O. TO TURBINES	13	13	13	13	13	F.O. TEMP. IN SETTLING TANKS	P			95	108	105
	AUX. STEAM	150	150	150	150	150	S 85	110	115				
	BACK PRESSURE	10	11	11	11	11	PORT BOILER UPTAKE						
	GLAND STEAM	10	10	10	10	10	STBD. BOILER UPTAKE						
	H.P. BLEEDER	70	70	70	70	70	F. O. BACK PRESSURE						
	I.P. BLEEDER	8	9	9	9	9	MAIN STEAM	450	450	450	450	450	450
	L.P. BLEEDER	20	20	20	20	20	F.O. TO BURNERS	150	150	140	140	145	155
	STEAM AT THROTTLE	580	580	590	590	590	MAIN COND. SALINITY	41	41	41	41	41	41
TEMPERATURES	L. P. EXHAUST	90	89	92	92	91	ENGINE ROOM TEMPERATURE	85	82	82	83	85	
	CONDENSATE	84	86	86	88	84	FIRE ROOM TEMPERATURE						
	CIRC. WATER IN	52	53	54	55	53	NOZZLES IN USE	16	16	16	16	16	16
	CIRC. WATER OUT	68	68	66	76	66	NO. OF BURNERS IN USE	P 3	3	3	3	3	3
	L.O. TO COOLERS	128	127	129	128	130	S 3	3	3	3	3	3	3
	L.O. FROM COOLERS	110	110	110	110	110	BURNER TIP SIZE	P A	A	A	A	A	A
	TEMPERATURE THRUST BEARING	112	112	114	114	115	S A	A	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING	124	122	124	126	124	CO ₂ % PORT BOILER						
	AFT. H.P. ROTOR BEARING	130	130	130	132	130	CO ₂ % STBD. BOILER						
	FORWARD L.P. ROTOR BEARING	131	129	130	132	130	OIL LEVEL MAIN SUMP	NEAR	NEAR	NORM.	NORM.	NORM.	NORM.
	AFT. L.P. ROTOR BEARING	122	120	125	122	122							

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED
1200 TO 1600	3	1200	450	580	8	134	110		70	900	900	240	8650	2120	7410		
	4	1200	450	580	8	137	122		78	900	900	240	1270	4450	7670		
1600 TO 2000	3	1200	450	590	8	132	110		70	900	900	240	7784				
	4	1200	450	590	8	137	124		78	900	900	240					
2000 TO 2400	3	1200	450	590	8	132	110		70	900	900	240					
	4	1200	450	590	8	137	122		78	900	900	240					
2400 TO 0400	3	1200	450	590	8	132	110		70	900	900	240					
	4	1200	450	590	8	136	125		48	900	900	240					
0400 TO 0800	3	1200	450	590	8	132	110		70	900	900	240					
	4	1200	450	590	8	137	125		48	900	900	240					
0800 TO 1200	3	1200	450	580	8	134	112		70	1100	1100	240					
	4	1200	450	580	8	137	124		48	1100	1100	240					
												FUEL OIL					
												LUBE OIL					
												DOMESTIC WATER					
												DIESEL OIL					
												LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
												L.O. CENTRIFUGE - HOURS OPERATED					
												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
												4	4	3:40	3:40	3:40	4
												SUMMARY					
												RUNNING TIME	23:12.5	PROPELLER SLIP (%)			
												DETENTION TIME		BBL FUEL MI			
												TOTAL REVOLUTIONS	12910	WIND DIRECTION			
												AVERAGE R.P.M.	93.5	STATE OF SEA			
												TOTAL MILES BY ENGINE	482	STATE OF WEATHER			
												TOTAL MILES BY OBSERVATION	442				

REMARKS

1200-1600 WATCH

Mach in operation Main Unit 284 Cond pump, main air pump, 284 Tank 284
364 Boiler, 364 main feed pump, 364 Aux FO pump added 4 gal 65% 4 main feed pump
changed & cleaned FO burner #2 & FO discharge & suction strainers & cleaned
main unit 284 strainer.

FOM (P. 180214)

(S-53575800)

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & 4 BURS. CHANGED & CLEANED #4 BURNER &
HOT OIL STRNRS.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. & DISCH. STRAINERS -
CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - ADVANCED CLOCK 20 MIN. @ 2300 -
PUMPED BILGES -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Mach as before - Change & cleaned #1 FO burner & FO discharge strainer & LO strainer
main unit. Oilohrs advanced clocks 20 min.

WATCH ENGR'S SIGNATURE

FOM (P. 1906130) (S-5859550)

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & FO STRNRS. ADVANCED CLOCK
20 MINS @ 0500. GREASED SIDE RODS #3 & 4 MN F.D PUMPS. STARTED STBY FD PUMP
TO TAKE SOME OF THE LOAD OFF #4 MN. FD P.
SALINITY IN BURS CAME UP DUE TO SALTED UP MUF. TK. (1STBD) TESTED POT WATER
& FOUND IT HAD LESS SALT THAN MUF. TK. USING POTABLE WATER FOR MUF/LEFT
MAKE-UP EVAP ON POT. W. SALINITY OF 1STBD - 10.71 GPG. SALINITY OF POT. W. 20.7 GPG.
COMPOUNDED #3 & 4 BURS.

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

MACH. AS BEFORE. BLEW TUBES #3 & 4 BOWERS - CHANGED & CLEANED #6 F.O.
BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. -
PUMPED BILGES -

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

-9-66 @ 0400

#3 #4

P 5.26 10.51

T 8.18 13.43

Ck 13.26 20.72

R/hrs 25 30

Sim Hrs 1074 1055

CHIEF ENGR'S SIGNATURE

1200-1600 WATCH

Mach in operation, Main Unit, both Main and pumps 324-740-420
 324-740-420, 324-740-420 pumps. 14.23 R/B. 12.55 hr #3 feed pump
 went dead with leak, put standby on line to #3 boiler 12.10 on block, secured
 #3 feed pump w. back to 14.23. Tightened packing glands on #4 feed pump
 due to excessive leakage. Salinity of cond. at cond pump. 41 GPa at 13.55 hr 41 GPa at
 13.55 hr 41 GPa at 15.30 hr. 41 GPa at 15.30 hr. 41 GPa at 15.30 hr. 41 GPa at 15.30 hr.
 15.30 hr 41 GPa at 15.30 hr. 41 GPa at 15.30 hr. 41 GPa at 15.30 hr. 41 GPa at 15.30 hr.
 15.30 hr 41 GPa at 15.30 hr. 41 GPa at 15.30 hr. 41 GPa at 15.30 hr. 41 GPa at 15.30 hr.

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACH AS BEFORE CHANGED & CLEANED #4 BURNER & HOT OIL STIRNERS BLEW
 TUBES #3 & #4 BLR DAYWORKERS PUT 2 RINGS OF PACKING TO EACH PUMPER
 ON #4 FEED PUMP. STARTED #4 MN FD & PUT STBY FD PUMP IDLING TO #4 BLR.
 #4 FD P. SIDE RODS WERE GREASED TO GET RID OF SQUEAKING SOUND THAT
 DEVELOPS PERIODICALLY. BLR SALINITIES ONLY CAME UP 3.5 G.P.L. SO MAKE-UP
 EVAP WAS LEFT ON POT. W. COMPOUNDED #4 BLR TO RAISE READINGS TO MAX
 TO MINIMIZE CHANCES OF PRIMING

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. & DISCH. STRAINERS -
 CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - ADDED 3 GAL. L.O. TO #3 FO. PUMP -
 HELD ENG. CASUALTY DRILL #E-8 FROM 2100 TO 2130 - INST. WATCH - CHANGED F.W. SUCT.
 TO #2 P/S @ 2145 - #3 S F.W. TR. DRY - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

0010 Loaded FO suction & shut main unit down, shifted FO suction
 split main plant 0130 14 No 22 @ 0135 - #3 main feed pump malfunctioned.
 secured #3 boiler 0215 #3 boiler on line 0222 full ahead 14 No 22 0300-0320
 Engine casualty drill E-8 Forced draft Blower Failure 4 men present

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

MACH AS BEFORE CHANGED & CLEANED ALL FO STIRNERS STARTED #4 MN FD. PUMP
 & PUT STBY FD PUMP IN READINESS TO GO TO #4 BLR. SPLIT PLANT; PUT AUX CIRC
 & AUX COND PUMPS ON. LINED UP VAC. DRAG TO #1 STBD RES. FD TK.
 PUT #4 BLR ON CONSTANT BLOW EVAP.
 HELD ENG. CASUALTY DRILL E-8 @ 0530-0545 AMONG WATCH PERSONNEL

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

MACH. AS BEFORE - REDUCED SPEED TO 70 R.P.M. @ 0831 P/B. - 3/B @ 0920 - TIME
 CHECK @ 0922 - ARR. @ 0930 - P.CTR. 58131570 - S.CTR. 76980180 - P.FOM. 1814950 -
 S.FOM. 5868360 - BELLS AS PER BELL BOOK - STEER. ENG. MANNED @ 0940, KRUPP - CHANGED
 TO HIGH SUCT. @ 1000 - LOW SUCT. SEC. - F.W. @ 1129 - P.CTR. 58137270 - S.CTR. 76985760 -
 P.FOM. 1815230 - S.FOM. 5868730 - SEC. #3 BOILER @ 1130 - SEC. MN. UNIT & ON
 JACKING GEAR @ 1135 -

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

1-10-66 @ 0400
 #3 #4
 P 8.76 10.51
 T 13.43 12.26
 Gk 18.23 24.86
 P/Hs 30 30
 SMY HRS 1079-1098

CHIEF ENGR'S SIGNATURE

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME							MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)						
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)	5800	6300	6790	—	7620		MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)						
F.O. CONSUMED	530	500	490	—	830								
PRESSURES	THROTTLE												
	H.P. AHEAD												
	L.P. AHEAD												
	VACUUM												
	L.O. TO TURBINES	13	13	—									
	AUX. STEAM	150	170	170	170	110	BOILER PARTICULARS TEMPERATURES						
	BACK PRESSURE	10	11	11	12	11							
	GLAND STEAM												
	H.P. BLEEDER												
	L.P. BLEEDER												
	L.P. BLEEDER												
	STEAM AT THROTTLE												
	L. P. EXHAUST												
	CONDENSATE												
	CIRC. WATER IN	49	49	49	49	49							
TEMPERATURES	CIRC. WATER OUT												
	L.O. TO COOLERS												
	L.O. FROM COOLERS												
	TEMPERATURE THRUST BEARING												
	FORWARD H.P. ROTOR BEARING												
	AFT. H.P. ROTOR BEARING												
	FORWARD L.P. ROTOR BEARING												
	AFT. L.P. ROTOR BEARING												
							MISCELLANEOUS						
PRESSURES	MAIN STEAM	450	440	440		440							
	F.O. TO BURNERS	130	215	160									
	MAIN COND. SALINITY	41		04		09							
	ENGINE ROOM TEMPERATURE	77	79	80									
	FIRE ROOM TEMPERATURE												
	NOZZLES IN USE												
	NO. OF BURNERS IN USE	P 2	1	1		1							
		S											
	BURNER TIP SIZE	P A+C	A	A		A							
		S											
TEMPERATURES	CO ₂ % PORT BOILER												
	CO ₂ % STBD. BOILER												
	OIL LEVEL MAIN SUMP	Normal	Norm	—									

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	ON HAND AT START OF DAY	BOILER WATER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED
1200 TO 1600	3	1200	450	580	8	130	108		70	1100	1100	240	METER PRE- VIOUS NOON		ON HAND		
	4	1200	450	580	8	136	117		48	1100	1100	240	CONSUMED BY METER		CONSUMED		
1600 TO 2000	3	1200	440	540	8	130	108		90	1000	1000	240	ON HAND AT START OF DAY	6510		ON HAND AT START OF DAY	3332
	4	1200	440	540	8	135	117		50	1000	1000	240	RECEIVED DURING DAY		RECEIVED		
2000 TO 2400	3	1200	440	540	8	132	108		70	900	900	240	EXPENDED DURING DAY	72			
	4	1200	440	540	8	136	118		50	900	900	240	REMAINING ON BOARD	6438	ON HAND		
2400 TO 0400	3	1200	440	540	8	132	108		70	900	900	240	ON HAND AT START OF DAY	1248	CONSUMED		
	4	1200	440	540	8	136	118		50	900	900	240	EVAPORATED OR RECEIVED			ON HAND	2401
0400 TO 0800	3	1200	440	540	8	132	108		70	900	900	240	ON HAND	60	RECEIVED		
	4	1200	440	540	8	136	118		50	900	900	240	CONSUMED	1188	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	—	—	—	—
												SUMMARY					
												RUNNING TIME			PROPELLER SLIP (%)		
												DETENTION TIME			BBL FUEL MI		
												TOTAL REVOLUTIONS			WIND DIRECTION		
												AVERAGE R.P.M.			STATE OF SEA		
												TOTAL MILES BY ENGINE			STATE OF WEATHER		
												TOTAL MILES BY OBSERVATION					

1200-1600 WATCH

11th UNIT ON JACK REAR #3 & 4 GENS ON LINC. #3 B.R. SECD

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

PORT RELIEF WATCH. Mach'y. as left by ship's Engrs. Checking lines and mach'y. to become familiar with ship's set-up. 150* line snubbed in on inlet - running 175*
Cont. Evap. pump sticking.

Oiler - Mergos
2000-2400 WATCH

FWT - Leary

WATCH ENGR'S SIGNATURE

PORT RELIEF WATCH. Cont'd. Evap. Pump linkage fall apart. No access to feels. By a 'minute', 'skin of tooth' margin, got heat to F.O. in the nick of time. Then F.W. suction gone. Called 2ALE (Q) to help. New F.W. Pump fails to cut out. Boy! Boy! What a Plant! Secured J.G., L.O. Cycle and Ma. Circ. Sec. Centrifuge. Vented No. 3 Boiler.

FWT
Oiler - Williams
2400-0400 WATCHOiler
FWT - McConnell

WATCH ENGR'S SIGNATURE

PORT RELIEF WATCH. Evap. down again - 3rd time. Pump WILL NOT pump against shell pressure. Necessary to let pressure down to 0 to fill drum. Oilers unable to sound Setts - so, inboard and outbd, high suction, on line. FWT cleaned burners and suct and disch. str.

Oiler - Woodford
0400-0800 WATCH

FWT - Bella

WATCH ENGR'S SIGNATURE

PORT RELIEF WATCH. No time for readings or logs. Oiler and I both busy with Evap., dying boiler left open, loss of DC, 150* hand regulation etc. & etc.; Loss of F.W. again etc. 16 hrs of this is too much for a young lad of 68. I'm chickening out. Will call the Office for a young sprout and I'll try the bid for a change. There is fire and stm. in the boiler and the lights are on and I am more surprised than you'll be.

Oiler - Woodford
0800-1200 WATCH

FWT - Bella

WATCH ENGR'S SIGNATURE

MAH AS BEFORE. IN PORT REPAIRS IN PROGRESS

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE							
				@ ALAMEDA						11/12 JAN							
WATCH																	
<table><tr><td>1200 TO 1600</td><td>1600 TO 2000</td><td>2000 TO 2400</td><td>2400 TO 0400</td><td>0400 TO 0800</td><td>0800 TO 1200</td></tr></table>												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200												
WATCH																	
<table><tr><td>1200 TO 1600</td><td>1600 TO 2000</td><td>2000 TO 2400</td><td>2400 TO 0400</td><td>0400 TO 0800</td><td>0800 TO 1200</td></tr></table>												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200												
MACH. PARTICULARS (CONT'D)						MACH. PARTICULARS (CONT'D)											
HOTTTEST GEAR BEARING FORWARD						HOTTTEST GEAR BEARING AFT											
AUX. COND. CONDENSATE						28 93											
1ST STAGE FEED WATER HEATER						130 145											
D. C. FEED WATER HEATER						240 240											
3RD STAGE FEED WATER HEATER																	
SUPER HEAT						P											
F.O. TO BURNERS						188 188											
AIR TO FURNACE						P											
F.O. TEMP. IN SETTLING TANKS						P											
PORT BOILER UPTAKE						S											
STBD. BOILER UPTAKE						S											
F. O. BACK PRESSURE																	
MAIN STEAM						440 440											
F.O. TO BURNERS																	
MAIN COND. SALINITY																	
ENGINE ROOM TEMPERATURE																	
FIRE ROOM TEMPERATURE																	
NOZZLES IN USE																	
NO. OF BURNERS IN USE						P 2 2											
BURNER TIP SIZE						P											
CO ₂ % PORT BOILER						S											
CO ₂ % STBD. BOILER																	
OIL LEVEL MAIN SUMP																	
MACHINERY PARTICULARS																	
PRESSURES																	
THROTTLE																	
H.P. AHEAD																	
L.P. AHEAD																	
VACUUM																	
L.O. TO TURBINES																	
AUX. STEAM 150 150																	
BACK PRESSURE 11 11																	
GLAND STEAM																	
H.P. BLEEDER																	
I.P. BLEEDER																	
L.P. BLEEDER																	
TEMPERATURES																	
STEAM AT THROTTLE																	
L. P. EXHAUST																	
CONDENSATE																	
CIRC. WATER IN																	
CIRC. WATER OUT																	
L.O. TO COOLERS																	
L.O. FROM COOLERS																	
TEMPERATURE THRUST BEARING																	
FORWARD H.P. ROTOR BEARING																	
AFT. H.P. ROTOR BEARING																	
FORWARD L.P. ROTOR BEARING																	
AFT. L.P. ROTOR BEARING																	
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																	
FUEL OIL																	
METER AT NOON																	
METER PREVIOUS NOON																	
CONSUMED BY METER																	
ON HAND AT START OF DAY 6438																	
RECEIVED DURING DAY																	
EXPENDED DURING DAY 78																	
REMAINING ON BOARD 6360																	
DOMESTIC WATER																	
ON HAND AT START OF DAY 1188																	
EVAPORATED OR RECEIVED																	
ON HAND 65																	
CONSUMED 1193																	
LOW PRESS. EVAPORATORS (No. of hrs. operated; Fresh water made gals.)																	
L.O. CENTRIFUGE - HOURS OPERATED																	
1200 TO 1600																	
1600 TO 2000																	
2000 TO 2400																	
2400 TO 0400																	
0400 TO 0800																	
0800 TO 1200																	
SUMMARY																	
RUNNING TIME																	
DETENTION TIME																	
TOTAL REVOLUTIONS																	
AVERAGE R.P.M.																	
TOTAL MILES BY ENGINE																	
TOTAL MILES BY OBSERVATION																	
PROPELLER SLIP (%)																	
BBL FUEL MI																	
WIND DIRECTION																	
STATE OF SEA																	
STATE OF WEATHER																	

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE					
				ALAMEDA						11/12 JAN					
		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME								MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD					
DETENTION TIME										HOTTEST GEAR BEARING AFT					
REVOLUTION COUNTER (END OF WATCH)										AUX. COND. CONDENSATE					
TOTAL REVOLUTIONS (FOR WATCH)										1ST STAGE FEED WATER HEATER					
AVERAGE RPM										D. C. FEED WATER HEATER					
F.O. METER (END OF WATCH)				1819						3RD STAGE FEED WATER HEATER					
F.O. CONSUMED				-											
PRESSURES		THROTTLE						BOILER PARTICULARS TEMPERATURES		SUPER HEAT					
		H.P. AHEAD								F.O. TO BURNERS					
		L.P. AHEAD								AIR TO FURNACE					
		VACUUM								F.O. TEMP. IN SETTLING TANKS					
		L.O. TO TURBINES								PORT BOILER UPTAKE					
		AUX. STEAM								STBD. BOILER UPTAKE					
		BACK PRESSURE								F. O. BACK PRESSURE					
		GLAND STEAM								MAIN STEAM					
		H.P. BLEEDER								F.O. TO BURNERS					
		I.P. BLEEDER													
TEMPERATURES		L.P. BLEEDER						MISCELLANEOUS		MAIN COND. SALINITY					
		STEAM AT THROTTLE								ENGINE ROOM TEMPERATURE					
		L. P. EXHAUST								FIRE ROOM TEMPERATURE					
		CONDENSATE								NOZZLES IN USE					
		CIRC. WATER IN								NO. OF BURNERS IN USE					
		CIRC. WATER OUT								BURNER TIP SIZE					
		L.O. TO COOLERS								CO. 1 PORT BOILER					
		L.O. FROM COOLERS								CO. 2 STBD. BOILER					
		TEMPERATURE THRUST BEARING								OIL LEVEL MAIN SUMP					
		FORWARD H.P. ROTOR BEARING													
AFT. H.P. ROTOR BEARING															
FORWARD L.P. ROTOR BEARING															
AFT. L.P. ROTOR BEARING															

1200-1600 WATCH

MACH AS BEFORE. IN-PORT REPAIRS IN PROGRESS

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Mach as before. Secured Cont. temp @ 1500. made routine rounds.

OILER: REDD

FWT: LEART

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

Much as before.
 made routine rounds at regular intervals.
 carried out ship's orders.
 Bilges at safe level.

OILER REDD

FWT LEART

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Port WATCH SHUTTER SBT'S @ 2400 AS FOR NO-LOSS OF F.O. PRESS
 TO BLOWER @ 0015. F.O. PRESS BACK BUT COULD NOT RE-LIGHT BLOWER - PLANT
 SPECIFIED & ON LIGHTING BATTERIES - DRY 2ND ENGR. & MR. SCOFFER & 2ND ENGR.
 ADVISORIES CONTINUING ATTEMPTING TO PUT PLANT BACK ON LINE -

OILER WOODWARD

FWT BALLA

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

UNABLE TO KEEP DISCH. QUA. GOING - STEAMERS (F.O.) CLEARED -
 NO SUCCESS - USING HAND PUMP D.O. COULD START METHOD - LIGHTS BACK
 ON @ 0700 - OFF @ 0710 - ON AGAIN @ 0740 - USING NEW STEAM ATOMIZING
 TIPS TO BLOWER (E) -

OILER WOODWARD

FWT BALLA

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

ASSUMED WATCH @ 0800. HAVING DIFFICULTY KEEPING PLANT GOING CHANGED
 TO 2 SIM ATOMIZING BURNERS CHANGED TO INBD SETT @ APPROX 0800 IN EFFORT
 TO KEEP UP SIM PRESS. AT APPROX 0900 #4 BLR. HAD AN EXPLOSION INSIDE
 FIREBOX. FORCED DRAFT FAN QUIT & WERE UNABLE TO SECURE ALL BURNERS
 IN TIME. NO PERSONNEL INJURED. BOTTLED UP #4 BLR @ APPROX 250 PSI UNTIL
 OTHER BLR CAN BE LIT OFF.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
										12/13 J/14/4	

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME								MACH. PARTICULARS (CONT'D)							
DETENTION TIME								TEMPERATURES (CONT'D)							
REVOLUTION COUNTER (END OF WATCH)								HOTTEST GEAR BEARING FORWARD							
TOTAL REVOLUTIONS (FOR WATCH)								HOTTEST GEAR BEARING AFT							
AVERAGE RPM								AUX. COND. CONDENSATE							
F.O. METER (END OF WATCH)								1ST STAGE FEED WATER HEATER				130	130	130	
F.O. CONSUMED								D. C. FEED WATER HEATER				240	240	240	
								3RD STAGE FEED WATER HEATER							
								SUPER HEAT							
								F.O. TO BURNERS							
								AIR TO FURNACE							
								F.O. TEMP. IN SETTLING TANKS							
								PORT BOILER UPTAKE							
								STBD. BOILER UPTAKE							
								F. O. BACK PRESSURE							
								MAIN STEAM				450	440	440	
								F.O. TO BURNERS				125	130	130	
								MAIN COND. SALINITY							
								ENGINE ROOM TEMPERATURE							
								FIRE ROOM TEMPERATURE							
								NOZZLES IN USE							
								NO. OF BURNERS IN USE							
								BURNER TIP SIZE							
								CO ₂ % PORT BOILER							
								CO ₂ % STBD. BOILER							
								OIL LEVEL MAIN SUMP							

		PRESSURES										TEMPERATURES									
THROTTLE												STEAM AT THROTTLE									
H.P. AHEAD												L. P. EXHAUST									
L.P. AHEAD												CONDENSATE									
VACUUM												CIRC. WATER IN									
L.O. TO TURBINES												CIRC. WATER OUT									
AUX. STEAM				150	140	140						L.O. TO COOLERS									
BACK PRESSURE				11.0	10	10						L.O. FROM COOLERS									
GLAND STEAM												TEMPERATURE THRUST BEARING									
H.P. BLEEDER												FORWARD H.P. ROTOR BEARING									
I.P. BLEEDER												AFT. H.P. ROTOR BEARING									
L.P. BLEEDER												FORWARD L.P. ROTOR BEARING									
												AFT. L.P. ROTOR BEARING									

		GENERATORS										FUEL - WATER AND LUBE OIL												
WATCH		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL				
														METER AT NOON	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED		
1200 TO 1600														METER PREVIOUS NOON					RECEIVED DURING DAY	3332				
														CONSUMED BY METER					EXPENDED DURING DAY					
														ON HAND AT START OF DAY	6360				REMAINING ON BOARD	55				
1600 TO 2000														ON HAND AT START OF DAY	1123									
														EVAPORATED OR RECEIVED										
2000 TO 2400		3	1200	450	575	8	132	110		70	750	750	240	ON HAND	60									
		4	1200	450	575	8	140	120		50	750	750	240	CONSUMED	1063									
2400 TO 0400		3	1200	440	570	8	132	110		70	750	750	240	DOMESTIC WATER		DIESEL OIL								
		4	1200	440	570	8	140	120		50	750	750	240	ON HAND AT START OF DAY										
0400 TO 0800		3	1200	440	570	8	132	110		70	850	850	240	EVAPORATED OR RECEIVED										
		4	1200	440	570	8	140	110		50	850	850	240	ON HAND										
0800 TO 1200														CONSUMED										

L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200

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

1200-1600 WATCH

NO POWER TO RUN PUMPS TO START PLANT. PORTABLE DIESEL GEN ARRIVED @ APPROX 1400. STARTING TO LIGHT OFF PLANT USING #3 BILER & DIESEL OIL.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

In port watch. Shifted from shore power to ship's power @ 1820. #3 & #4 SS Generators and associated auxiliaries on line. #3 Boiler on line. STBD Electric Feed Pump. Made routine rounds. Carried out ship's order. Bilges OK. Men from PACIFIC SHIP REPAIR working on #4 boiler all watch.

WATCH ENGR'S SIGNATURE-

OILER McGee FWT LEARY
2000-2400 WATCH

In port watch. Plant as before. Made routine rounds at regular intervals. Carried out all ship's orders. Bilges OK. Workers from PACIFIC SHIP REPAIR working on #4 boiler. Mr. Rouillard (Jr Eng) in engine room standing by during this watch.

WATCH ENGR'S SIGNATURE-

OILER McGee FWT LEARY
2400-0400 WATCH

PORT WATCH - MACHINERY INSPECTIONS MADE - BILGES AT SAFE LEVEL - PAC-SHIP MEN K.O. @ 2400.

WATCH ENGR'S SIGNATURE-

OILER WOODFORD
FWT - WILLIAMS
0400-0800 WATCH

AS BEFORE - MACHINERY INSPECTIONS MADE - BILGES AT SAFE LEVEL -

WATCH ENGR'S SIGNATURE-

OILER WOODFORD
FWT - WILLIAMS
0800-1200 WATCH

AS BEFORE CONTINUING REPAIR WORK. SHORE LANE WORKING ON #4 BILER.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE

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

GENERATORS												FUEL - WATER AND LUBE OIL								
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL				DOMESTIC WATER			
													METER AT NOON			ON HAND AT START OF DAY				
													METER PREVIOUS NOON			EVAPORATED OR RECEIVED				
													CONSUMED BY METER			ON HAND				
													ON HAND AT START OF DAY			CONSUMED				
													RECEIVED DURING DAY			ON HAND AT START OF DAY				
													EXPENDED DURING DAY			RECEIVED				
													REMAINING ON BOARD			ON HAND				
													ON HAND AT START OF DAY			CONSUMED				
													EVAPORATED OR RECEIVED			ON HAND				
													ON HAND			RECEIVED				
													CONSUMED			CONSUMED				
												LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)								
												L.O. CENTRIFUGE - HOURS OPERATED								
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
												SUMMARY								
													RUNNING TIME			PROPELLER SLIP (%)				
													DETENTION TIME			BBL FUEL MI				
													TOTAL REVOLUTIONS			WIND DIRECTION				
													AVERAGE R.P.M.			STATE OF SEA				
													TOTAL MILES BY ENGINE			STATE OF WEATHER				
													TOTAL MILES BY OBSERVATION							

REMARKS

1200-1600 WATCH

SHIFTING TO NSC OAKLAND TLE G/ECK @ 1317 WHEEL CLEARANCE
@ 1250 ROLLED END @ STEAM @ 1300 BELLS AS PER TELLBOOK
FWX @ 1528 SECURED END ROCH @ 1530.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

HAG AS BEFORE. BLUE TUBES #3 / 4 BURS #3 BUR ON CONSTANT BLOW CLAP

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

LIT OFF #3 BUR @ 0830 LIT OFF #4 BUR @ 0930.
FINISHING UP ON PORT REPAIRS.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

		WATCH								WATCH												
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200							
RUNNING TIME			150	240	240	240	240	MACH. PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD			146	144	144	144	145			
DETENTION TIME												HOTTEST GEAR BEARING AFT			140	130	132	140	132			
REVOLUTION COUNTER (END OF WATCH)			5815 7650	5817 9400	5820 1070	5822 2780	5824 4700					AUX. COND. CONDENSATE		MIN	MIN		MIN	MIN	MIN			
TOTAL REVOLUTIONS (FOR WATCH)			11760	21750	21690	21690	21920					1ST STAGE FEED WATER HEATER			140	130	130	130	130			
AVERAGE RPM			90.4	90.6	90.4	90.4	91.4					D. C. FEED WATER HEATER			236	238	240	239	238			
F.O. METER (END OF WATCH)		182 587	1410 0160	2710 1440	3910 2720	5820 4000	6260 5330	3RD STAGE FEED WATER HEATER														
F.O. CONSUMED				2580	2450	2460	2400	BOILER PARTICULARS		TEMPERATURES		SUPER HEAT		P		645	650	650	650	650		
PRESSURES		THROTTLE			420	420	420					420	420	S			645	650	650	650	650	
		H.P. AHEAD			420	420	420					420	420	F.O. TO BURNERS			180	180	180	180	180	
		L.P. AHEAD			18	18	17					17	16	AIR TO FURNACE		P		164	90		105	105
		VACUUM			29.5"	29.5"	29.5"					29.5"	29.5"	S			99	110		107	107	
		L.O. TO TURBINES			13	13	13					13	13	F.O. TEMP. IN SETTLING TANKS		P						
		AUX. STEAM			150	150	150					150	150	S			85	95	125	120	120	
		BACK PRESSURE			10	10	10					10	10	PORT BOILER UPTAKE								
		GLAND STEAM			1.5	1.0	1.0					1.0	1.0	STBD. BOILER UPTAKE								
		H.P. BLEEDER			70	70	70					70	70	F. O. BACK PRESSURE								
		I.P. BLEEDER			9	9	9	9	9	MAIN STEAM				450	450	450	450	450				
L.P. BLEEDER			21	18	20"	23"	23"	F.O. TO BURNERS				160	170	175	170	170						
TEMPERATURES		STEAM AT THROTTLE			650	650	650	650	650	MAIN COND. SALINITY			41	41	41	41	41					
		L. P. EXHAUST			88	87	90	90	90	ENGINE ROOM TEMPERATURE			79	80	80	79	82					
		CONDENSATE			85	78	79	79	81	FIRE ROOM TEMPERATURE												
		CIRC. WATER IN			52	50	52	52	54	NOZZLES IN USE			16	16	16	16	16					
		CIRC. WATER OUT			70	66	53	68	68	NO. OF BURNERS IN USE		P		3	3	3	3	3				
		L.O. TO COOLERS			128	128	127	130	130	S			3	3	3	3	3					
		L.O. FROM COOLERS			110	110	108	110	110	BURNER TIP SIZE		P		A	A	A	A	A				
		TEMPERATURE THRUST BEARING			112	115	111	115	113	S			A	A	A	A	A					
		FORWARD H.P. ROTOR BEARING			124	120	122	124	125	CO ₂ % PORT BOILER												
		AFT. H.P. ROTOR BEARING			130	128	130	130	130	CO ₂ % STBD. BOILER												
FORWARD L.P. ROTOR BEARING			125	125	124	126	126	OIL LEVEL MAIN SUMP				NORM	NORM.	NORM	NORM	NORM.						
AFT. L.P. ROTOR BEARING			122	123	123	124	124															

GENERATORS													FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL	
													METER AT NOON	METER PREVIOUS NOON	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED
1200 TO 1600	3	1200	450	650	8	132	110		70									
	4	1200	450	650	8	140	125		45	1100	1100	240						
1600 TO 2000																		
	3	1200	450	650	8	132	110		72			240						
	4	1200	450	650	9	140	123		48	1000	1000	240						
2000 TO 2400																		
	3	1200	450	650	8	132	110		72			240						
	4	1200	450	650	9	140	123		48	1000	1000	240						
2400 TO 0400																		
	3	1200	450	650	8	132	110		72			240						
	4	1200	450	650	9	140	123		48	1000	1000	240						
0400 TO 0800																		
	3	1200	450	650	8	132	110		72	1100		240						
	4	1200	450	650	8	140	126		45	1100	1100	240						
0800 TO 1200																		
	4	1200	450	650	9	140	125		48	1100	1100	240						
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																		
L.O. CENTRIFUGE - HOURS OPERATED																		
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200								
4		4		4		4		4		4								
SUMMARY																		
RUNNING TIME													PROPELLER SLIP (%)					
DETENTION TIME													BBL FUEL MI					
TOTAL REVOLUTIONS													WIND DIRECTION					
AVERAGE R.P.M.													STATE OF SEA					
TOTAL MILES BY ENGINE													STATE OF WEATHER					
TOTAL MILES BY OBSERVATION																		

REMARKS

1200-1600 WATCH

Brought #3 & #4 Boilers up & put on line @ . started Main Cond. Pumps @ . started Aux. Circ @ . started #3 & #4 Gen. & put on line @ . started #3 & #4 Feed Pumps @ . Tested Eng. 3-sec Telegraph @ . Tested Main Engines @ Cleaned L.O. pump.

WATCH ENGR'S SIGNATURE-

W.D. Nipping

1600-2000 WATCH

MANEUVERING OUT OF S.F. BELLS AS PER BELLBOOK FIRE & BOAT DRILL @ 1612 SEC'D @ 1625. DEPT @ 1730. SPD UP TO 16 NOZZLES @ 1730 B/C.B. CHANGED HOT OIL STRNRS

WATCH ENGR'S SIGNATURE-

W.D. Nipping

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. & DISCH. STRAIN. CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

J. Beaton

2400-0400 WATCH

Mach as before @ shifted FO suction to High suction @ 2400. Changed & cleaned #1 & #2 FO burner & FO discharge strainers @ L.O. strainers main unit.

WATCH ENGR'S SIGNATURE-

W.D. Nipping

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #4 BURNER & F.O. STRNRS COMPOUNDED #3 & #4 BLRS

WATCH ENGR'S SIGNATURE-

W.D. Nipping

0800-1200 WATCH

MACH. AS BEFORE EXCEPT - SINGLE UP MAIN & AUX. PRAUT - SEC. #3 AUX. GEN. & AUX. CIRC. PUMP & AUX. AIR EJECT. - BLOW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O. BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #4 AUX. GEN. - ENG. CASUALTY DRINKS #M-1 & #B-7 CONDUCTED BY DAMAGE CONTROL INSPECTOR - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

J. Beaton

CHIEF ENGINEER

1-18-66 @ 0100
#3 #4
P 5E4 5E4
H 112 172
O/L 11.6 497
Hos 5 5
STM 1/RS 1/05-1170

CHIEF ENGR'S SIGNATURE-

W.D. Nipping

USNS		GENERAL JOHN P. JOE		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE											
		TAP 110										13-17 Jan 66											
		WATCH						WATCH															
		1200 TO 1600		1600 TO 2000		2000 TO 2400		0400 TO 0800		0800 TO 1200		1200 TO 1600		1600 TO 2000		2000 TO 2400		0400 TO 0800		0800 TO 1200			
RUNNING TIME		240		240		260		260		260		210		106		143		145		144		144	
DETENTION TIME														146		140		136		132		140	
REVOLUTION COUNTER (END OF WATCH)		5826		5826		5831		5835		5838				MN		MN		MN		MN		MN	
TOTAL REVOLUTIONS (FOR WATCH)		21864		21570		23700		23660		21780				125		130		130		126		130	
AVERAGE RPM		91.1		89.9		91.2		91.0		90.8				237		240		238		236		238	
F.O. METER (END OF WATCH)		2530		2510		2750		2510		2530				650		670		660		660		650	
THROTTLE		420		420		420		420		420				150		180		180		180		180	
H.P. AHEAD		14		14		13		13		13				100		104		105		105		108	
L.P. AHEAD		29.5		29.5		29.5		29.5		29.5				110		120		120		120		125	
VACUUM		13		13		13		13		13													
L.O. TO TURBINES		150		150		150		150		150													
AUX. STEAM		10		10		10		10		10													
BACK PRESSURE		1.5		1.0		1.0		1.0		1.0													
GLAND STEAM		70		70		70		70		70													
H.P. BLEEDER		9		9		9		9		9													
I.P. BLEEDER		11		20		20		20		20													
L.P. BLEEDER		650		670		660		660		650				440		450		450		450		450	
STEAM AT THROTTLE		91		90		87		91		94				150		160		180		160		150	
L. P. EXHAUST		82		83		84		84		86				41		41		41		41		41	
CONDENSATE		52		54		56		58		60				82		81		84		84		88	
CIRC. WATER IN		70		70		71		72		76				16		16		16		16		16	
CIRC. WATER OUT		130		128		129		129		130				3		3		3		3		3	
L.O. TO COOLERS		110		110		110		109		110				3		3		3		3		3	
L.O. FROM COOLERS		114		112		112		110		112				P		A		A		A		A	
TEMPERATURE THRUST BEARING		125		123		124		124		124				S		A		A		A		A	
FORWARD H.P. ROTOR BEARING		132		130		130		131		130				CO ₂ % PORT BOILER									
AFT. H.P. ROTOR BEARING		127		126		126		126		127				CO ₂ % STBD. BOILER									
FORWARD L.P. ROTOR BEARING		126		124		124		125		126				OIL LEVEL MAIN SUMP		NORM		NORM		NORM		NORM	
AFT. L.P. ROTOR BEARING																							

REMARKS

1200-1600 WATCH

Mach in operation, main unit #3 & #4 Cond pumps & main circ. pump & Elect L.L. pump
 #3 & #4 Boilers & #3 & #4 main feed pumps. 1300 hrs started FC suction to out B's HIGH suction.
 1305 Stand By @ 1336 FIRE DRILL @ 1400 Secured from FIRE DRILL @ 1400 Stand By to Full.
 Changed & cleaned #1 & #2 burner & FC discharge strainer & suction strainer & L.O. purifier

FON(R 182 7460) (S-5876560)

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BOILERS CHANGED #3 IS-RACK & HOT
 OIL STIRNRS. COMPOUNDED COND. #4 BUR. PUT #3 BUR ON CONSTANT BLEW CLAP.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER + SUCT. + DISCH. STRAINERS -
 CHANGED & CLEANED L.O. STRAINER #4 AUX. GEN. - RETARDED CLOCK 20 MIN. @ 2320 -
 PUMPED BILGES - ADDED 5 GAL. L.O. TO #3 M.V. PUMP -

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Mach as before. Cleaned main unit L.O. strainer & changed & cleaned #2 F.O. burner & F.O.
 discharge strainer. Retarded clock 20 min @ 0100 hrs. Pumped engine room bilges

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACH AS BEFORE CHANGED & CLEANED #4 BURNER & F.O. STIRNRS. CROSSED
 OVER #50 STM FROM FWD. CR. & SECD #50 STATION. #3 BUR ON CONSTANT BLEW
 CLAP. ADDED # RETARDED CLOCK 20 MIN @ 0500.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O.
 BURNER + DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #4 AUX. GEN. - PUMPED
 BILGES - 1/2 @ 0943 - COMBINATION DRILL FROM 0943 TO 1019 - CRACK @ FR. L-137-1 -
 NOTIFIED BRIDGE - SIMULATED STARTING BILGE PUMP + BILGE SUCT. VALVE ON M.V. CIRC. PUMP -
 PERSONEL CASUALTY, COMPOUND FRACTURE LEFT ARM & HEAD WOUND - RENDERED FIRST AID -
 NO STRETCHER REQUIRED - LH @ 1019

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

1-19-66 @ 0400
 #3 #4
 P 4.67 9.93
 M 7.01 14.6
 CLK 7.04 8.7
 PHS 0 35
 STM 4R2 1130 1195

CHIEF ENGR'S SIGNATURE-

		WATCH						WATCH									
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200				
RUNNING TIME		2 1/2	180	240	240	240	240	HOTTEST GEAR BEARING FORWARD		142	144	141	142	144	145		
DETENTION TIME								HOTTEST GEAR BEARING AFT		132	140	132	132	140	142		
REVOLUTION COUNTER (END OF WATCH)		5840 3180	5872 1500	5844 2260	5846 4160	5848 5430	5850 7330	AUX. COND. CONDENSATE		MIN	MIN	MIN	MIN	MIN	MIN		
TOTAL REVOLUTIONS (FOR WATCH)		21980	18380	20700	21900	21210	21900	1ST STAGE FEED WATER HEATER		135	132	128	128	130	131		
AVERAGE RPM		91.6	76.6	86.3	91.3	88.6	91.3	D. C. FEED WATER HEATER		238	236	238	238	238	238		
F.O. METER (END OF WATCH)		5430 4080	6625 5130	7840 6080	9010 7240	40240 8410	1020 9520	3RD STAGE FEED WATER HEATER									
F.O. CONSUMED		2440	2230	2170	2330	2400	2490	SUPER HEAT		P 655 S 655	650 650	670 670	620 620	610 610	620 620		
PRESSURES		THROTTLE	425	425	420	420	420	420	F.O. TO BURNERS		180	170	180	180	180	180	
		H.P. AHEAD	425	425	420	420	420	420	420	AIR TO FURNACE		P 103 S 103	108 106	112 108	111 107	109 110	
		L.P. AHEAD	14	14	13	13	13	13	13	F.O. TEMP. IN SETTLING TANKS		P S			120 120	120 117	
		VACUUM	29.5	29.5	29.5	29.5	29.5	29.5	29.5	PORT BOILER UPTAKE							
		L.O. TO TURBINES	13	13	13	13	13	13	13	STBD. BOILER UPTAKE							
		AUX. STEAM	150	150	150	150	150	150	150	F. O. BACK PRESSURE							
		BACK PRESSURE	10	10	10	10	10	10	10	MAIN STEAM		453	450	450	450	450	450
		GLAND STEAM	10	10	10	10	10	10	10	F.O. TO BURNERS		180	180	140	150	150	150
		H.P. BLEEDER	70	70	70	70	70	70	70	MAIN COND. SALINITY		41	43	41	41	41	41
		L.P. BLEEDER	8	8	9	9	9	9	9	ENGINE ROOM TEMPERATURE		86	87	88	88	91	93
TEMPERATURES		L.P. BLEEDER	20	20	20	20	20	19	FIRE ROOM TEMPERATURE								
		STEAM AT THROTTLE	655	650	620	620	610	620	NOZZLES IN USE		16	16	16	16	16	16	
		L. P. EXHAUST	96	96	102	100	99	105	NO. OF BURNERS IN USE		P 3 S 3	3 3	3 3	3 3	3 3	3 3	
		CONDENSATE	89	89	89	89	91	93	BURNER TIP SIZE		P A S A	A A	A A	A A	A A	A A	
		CIRC. WATER IN	63	62	63	63	64	65	CO ₂ % PORT BOILER								
		CIRC. WATER OUT	76	76	76	76	78	80	CO ₂ % STBD. BOILER								
		L.O. TO COOLERS	128	128	129	129	130	131	OIL LEVEL MAIN SUMP		Norm	Norm	Norm	Norm	Norm	Norm	
		L.O. FROM COOLERS	110	110	110	110	110	111									
		TEMPERATURE THRUST BEARING	112	113	114	114	112	115									
		FORWARD H.P. ROTOR BEARING	126	125	126	126	128	131									
TEMPERATURES		AFT. H.P. ROTOR BEARING	132	130	130	130	132	132									
		FORWARD L.P. ROTOR BEARING	130	131	127	127	129	130									
		AFT. L.P. ROTOR BEARING	126	125	126	126	126	126									

GENERATORS											FUEL - WATER AND LUBE OIL			
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	ON HAND AT START OF DAY
1200 TO 1600	4	1200	450	650	9	145	127		48	1200	1200	240	1620/9520	22
1600 TO 2000	4	1200	450	650	9	142	127		48	1100	1100	240	1615/2920	
2000 TO 2400	4	1200	450	650	9	140	126		48	1000	1000	240	1670/6600	146
2400 TO 0400	4	1200	450	650	9	140	126		48	900	900	240	17146	
0400 TO 0800	4	1200	450	610	9	145	127		48	1000	1000	240	336/335	3332
0800 TO 1200	4	1200	450	620	9	147	130		48	1200	1200	240	16475	
											DOMESTIC WATER			
											ON HAND AT START OF DAY		13588	
											EVAPORATED OR RECEIVED			
											ON HAND		13830	2401
											CONSUMED			
											L.O. CENTRIFUGE - HOURS OPERATED			
											1200 TO 1600	1600 TO 2000	2000 TO 2400	0400 TO 0800
											4	4	4	4
											SUMMARY			
											RUNNING TIME	23 H 19.5	PROPELLER SLIP (%)	
											DETENTION TIME		BBL FUEL MI	
											TOTAL REVOLUTIONS		WIND DIRECTION	
											AVERAGE R.P.M.		STATE OF SEA	
											TOTAL MILES BY ENGINE	468	STATE OF WEATHER	
											TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

Mach in operation, MAIN Unit 3 & 4 cond pumps, main air pump, Fleet LO pump #3 & 4 Boilers & Aux #4 Turbo Gen 1336 Stand By as Collision Drill @ 1405 Stand By to Full H₂O secured from all drills. Cleaned F.O. burner #2 @ 10 discharge strainers @ F.O. suction strainers @ LO partition. 15-40 Mr Hough Held DRILLS #1-1 B-7 4 min. present secured at 1550.

Fom (P-1835433) (S-588487)

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & 4 BOILERS #3 BLR ON CONSTANT BLOW. CWP. HOLD CWP CASUALTY DRILLS #1, B-7 @ 1600. HAN CWP CASUALTY 1853 L, 1902 L, 1907 L, 1922 L, 1930 L, 1936 L, 1937 L, 1943 L, 1950 L, 1951 L, 1953 L. SEC FROM DRILL

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER + SUCT. + DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #4 AUX. GEN - PUMPED BILGES - ADDED 5 GAL. L.O. TO #4 MN. FO. PUMP - ADDED 3 GAL. L.O. TO #3 MN. FO. PUMP -

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Mach as before. changed & cleaned #1 F.O. burner @ F.O. discharge strainers @ main unit LO strainer. Pumped engine room bilges. #3 boiler on constant blow to make up evap.

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACH AS BEFORE CHANGED & CLEANED #4 TURBINE & F.O. STRAINERS COMPOUNDED #3 BLR & FULL #4 ON CONSTANT BLOW CWP. AT APPROX 0530. THE AHEAD THROTTLE SHUT OFF BECAUSE OF LOW #70 STM. RESTARTED #70 STM STA & TURBINE

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH AS BEFORE - BLEW TUBES #3 & 4 BOILERS - CHANGED & CLEANED #4 & 6 F.O. BURN. + DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #4 AUX. GEN - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

1-5-66 @ 0400
#3 #4

P. 564 993

H. 175 1402

OL 124 994

RLOS 0 30

SOL 420 1154 - 1219

CHIEF ENGR'S SIGNATURE-

		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		255	240	260	260	260	240	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD	114	114	144	145	142	143	
DETENTION TIME										HOTTEST GEAR BEARING AFT	109	140	132	132	138	132	
REVOLUTION COUNTER (END OF WATCH)		5552	5555	5857	5554	5862	5864			AUX. COND. CONDENSATE	MN	14	MN	MN	11	MN	
TOTAL REVOLUTIONS (FOR WATCH)		2132	2125	23780	23802	23750	21630			1ST STAGE FEED WATER HEATER	135	139	134	136	140	136	
AVERAGE RPM		91	90.5	91.5	91.6	90.2	90.1			D. C. FEED WATER HEATER	238	238	238	238	236	238	
F.O. METER (END OF WATCH)		5820	4310	5680	8020	5550	9610	BOILER PARTICULARS TEMPERATURES		3RD STAGE FEED WATER HEATER							
F.O. CONSUMED		240	240	2640	2630	2590	2460			SUPER HEAT	P	620	610	600	600	590	590
PRESSURES	THROTTLE	420	420	425	425	425	425			S	620	610	600	600	590	590	
	H.P. AHEAD	420	420	425	425	425	425			F.O. TO BURNERS		180	180	180	180	180	180
	L.P. AHEAD	17	17	16	16	16	16			AIR TO FURNACE	P	114	116	114	113	116	120
	VACUUM	29"	29.5"	29.5"	29.5"	29.5"	29.5"	S	110	110	112	111	116	120			
	L.O. TO TURBINES	13	13	13	13	13	13	F.O. TEMP. IN SETTLING TANKS	P				120	120	117		
	AUX. STEAM	150	150	150	150	150	150	S	110	120	125						
	BACK PRESSURE	10	10	10	10	10	10	PORT BOILER UPTAKE									
	GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0	STBD. BOILER UPTAKE									
	H.P. BLEEDER	70	70	70	70	70	70	F.O. BACK PRESSURE									
	I.P. BLEEDER	9	9	9	9	9	9	MAIN STEAM		450	450	450	450	450	450		
L.P. BLEEDER	50"	20"	19"	19"	19"	19"	F.O. TO BURNERS		180	125	130	135	130	130			
TEMPERATURES	STEAM AT THROTTLE	620	610	600	600	590	590	MISCELLANEOUS		MAIN COND. SALINITY	41	41	41	41	41	41	
	L. P. EXHAUST	104	101	102	102	101	105			ENGINE ROOM TEMPERATURE	93	93	94	94	94	95	
	CONDENSATE	94	93	94	95	96	96			FIRE ROOM TEMPERATURE							
	CIRC. WATER IN	66	67	68	69	69	68			NOZZLES IN USE	16	16	16	16	16	16	
	CIRC. WATER OUT	80	82	81	82	84	82			NO. OF BURNERS IN USE	P	3	3	3	3	3	3
	L.O. TO COOLERS	131	130	132	129	128	128			S	3	3	3	3	3	3	
	L.O. FROM COOLERS	112	110	110	111	110	110			BURNER TIP SIZE	P	A	A	A	A	A	A
	TEMPERATURE THRUST BEARING	116	115	115	115	114	115			S	A	A	A	A	A	A	
	FORWARD H.P. ROTOR BEARING	133	131	131	125	124	123			CO ₂ % PORT BOILER							
	AFT. H.P. ROTOR BEARING	133	132	132	132	132	132			CO ₂ % STBD. BOILER							
FORWARD L.P. ROTOR BEARING	131	130	128	130	128	127	OIL LEVEL MAIN SUMP		NORM	NORM	NORM	NORM	NORM	NORM			
AFT. L.P. ROTOR BEARING	130	126	128	128	126	126											

GENERATORS											FUEL - WATER AND LUBE OIL			
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	
													METER AT NOON	ON HAND AT START OF DAY
1200 TO 1600	4	1200	450	620	9	150	135		48	1400	1400	240	9610/6780	22
													METER PREVIOUS NOON	EVAPORATED OR RECEIVED
1600 TO 2000	4	1200	450	610	9	147	132		48	1300	1300	210	7440/7260	245
													CONSUMED BY METER	ON HAND
2000 TO 2400	4	1200	450	600	9				48			240	ON HAND AT START OF DAY	CONSUMED
													RECEIVED DURING DAY	ON HAND AT START OF DAY
2400 TO 0400	4	1200	450	600	9	148	132		48	1100	1100	240	EXPENDED DURING DAY	RECEIVED
													REMAINING ON BOARD	ON HAND
0400 TO 0800	4	1200	450	590	9	148	132		48	1000	1000	210	15803	CONSUMED
													ON HAND AT START OF DAY	ON HAND
0800 TO 1200	4	1200	450	590	9	148	133		46	1100	1100	240	EVAPORATED OR RECEIVED	RECEIVED
													ON HAND	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	7	4:20	4:20
											SUMMARY			
											RUNNING TIME	25:14:35	PROPELLER SLIP (%)	
											DETENTION TIME		BBL FUEL MI	
											TOTAL REVOLUTIONS	13021	WIND DIRECTION	
											AVERAGE R.P.M.	90.8	STATE OF SEA	
											TOTAL MILES BY ENGINE	526	STATE OF WEATHER	
											TOTAL MILES BY OBSERVATION	461		

REMARKS

1200-1600 WATCH

Mach in operation, Main Unit, Main Air pump, #3 & #4 boiler pumps, #1 & #2 L.O. pumps, #3 & #4 boilers
 Aux. #1 Unit Gen. Cleaned L.O. pump filter, changed & cleaned #1 F.O. burner & cleaned F.O. discharge strainers
 suction strainers. 1300 hrs Stand By @ 1100 DRILL @ 1340 Stand By to Full & secured from drill.
 1357 Stand By @ Steering casualty drill @ 1415 Stand By to Full & secured from all drills.

FORM (R 1842920) (S-5182670)

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & F.O. DISCH. STRAINER
 #4 BUR ON CONST. BLOW CLAP.
 STEERING CASUALTY DRILL @ 1626 STEB. @ 1626 HH-1637

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER + SUCT. + DISCH.
 STRAINERS - CHANGED & CLEANED L.O. STRAINER #4 AUX. GEN. - ADDED 5 GAL. L.O. #4 F.O.P.
 PURIFIED L.O. #3 AUX. GEN. - ADDED 200 GAL. L.O. TO MN. SUMP THROUGH PURIFIER -
 PUMPED BILGES. RETARDED CLOCK 20 MIN. @ 2300 -

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Mach as before, changed & cleaned #1 F.O. burner & F.O. discharge strainers @ LC strainer
 main unit. 0100 hrs retarded clocks 20 min.

WATCH ENGR'S SIGNATURE-

FORM (R 1847020) (S-5894320)

0400-0800 WATCH

MACH AS BEFORE CHANGED & CLEANED #4 BURNER & F.O. STRAINERS SECURED #4
 BUR FROM CONST. BLOW CLAP. COMPOUNDED #3 & #4 BURS & CONDENSATE PWT
 MAKE-UP CLAP ON PET. W.
 RETARDED CLOCK 20 mins @ 0500

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED
 #6 F.O. BURNER + DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINER #4 AUX. GEN. -
 ADDED 5 GAL. L.O. TO BOTH #3 & #4 MN. FEED PUMPS - PUMPED BILGES - 7/3 @ 0841
 STEER CASUALTY DRILL FROM 0841 TO 0848 - HH @ 0848 -

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

1-21-66 @ 0100
 #3 #4
 P 581 581
 H 512 116
 OIL 331 124
 P/O 5 0
 STRAINERS 1179-1244

CHIEF ENGR'S SIGNATURE-

USNS GENERAL JOHN POPE TAP 110	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE 31-20 Jan 66
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WATCH							WATCH						
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
MACH. PARTICULARS (CONT'D)							MACH. PARTICULARS (CONT'D)						
TEMPERATURES (CONT'D)							TEMPERATURES (CONT'D)						
HOTTTEST GEAR BEARING FORWARD							144 144 143 145 144						
HOTTTEST GEAR BEARING AFT							132 140 142 132 140						
AUX. COND. CONDENSATE							M/V M/V M/V M/V M/V						
1ST STAGE FEED WATER HEATER							142 149 150 151 150						
D. C. FEED WATER HEATER							239 238 238 240 240						
3RD STAGE FEED WATER HEATER													
SUPER HEAT							P 600 600 590 590 590 S 600 600 590 590 590						
F.O. TO BURNERS							180 180 180 180 180						
AIR TO FURNACE							P 118 123 122 121 122 S 120 120 122 120 120						
F.O. TEMP. IN SETTLING TANKS							P S 125 130 130 120						
PORT BOILER UPTAKE													
STBD. BOILER UPTAKE													
F. O. BACK PRESSURE													
MAIN STEAM							450 450 450 450 450						
F.O. TO BURNERS							125 125 130 130 125						
MAIN COND. SALINITY							41 41 41 41 41						
ENGINE ROOM TEMPERATURE							96 95 96 93 93						
FIRE ROOM TEMPERATURE													
NOZZLES IN USE							16 16 16 16 16						
NO. OF BURNERS IN USE							P 3 3 3 3 3 S 3 3 3 3 3						
BURNER TIP SIZE							P A A A A S A A A A A						
CO ₂ % PORT BOILER													
CO ₂ % STBD. BOILER													
OIL LEVEL MAIN SUMP							NORM NORM NORM NORM NORM						

GENERATORS											FUEL - WATER AND LUBE OIL																			
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	RECEIVED	ON HAND	CONSUMED	
1200 TO 1600	4	1200	450	600	9	150	136		48	1600	1200	240	6640/3220	4610/2780	7030/6840	15803					627	15176								
1600 TO 2000	4	1200	450	600	9	147	132		48	1000	1000	240																		
2000 TO 2400	4	1200	450	590	9	147	132		48	950	950	240																		
2400 TO 0400	4	1200	450	590	9	148	134		48	1000	1000	240																		
0400 TO 0800	4	1200	450	590	9	148	134		48	1000	1000	240																		
0800 TO 1200																														
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)											L.O. CENTRIFUGE - HOURS OPERATED																			
											1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200																			
											4 4 4 4 4 4																			
SUMMARY																														
RUNNING TIME											PROPELLER SLIP (%)																			
DETENTION TIME											BBL FUEL MI																			
TOTAL REVOLUTIONS											WIND DIRECTION																			
AVERAGE R.P.M.											STATE OF SEA																			
TOTAL MILES BY ENGINE											STATE OF WEATHER																			
TOTAL MILES BY OBSERVATION																														

1200-1600 WATCH

Mach in operation, Main unit #324 Cond pumps, Main air pump, Elect LO pump, #364 boilers
 324 main feed pumps @ Stand by feed pump on #2 boiler @ #364 Elect FO pumps @ #4 Turbo Gen.
 1259 Stand by @ 1301 1162 down ship L.H.L. @ 1333 Secured Simon drills @ 1334 Stand by to 111
 Added 2 gal LO to #4 main feed pump.

FOM (P-1850860) (S-5897970)

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACH AS BEFORE CHANGED & CLEANED #3 BURNER & FO DISCH STRAINERS
 BLEW TUBES #3 & 4 BLRS MAKE-UP CLAP ON POT. W.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER + SUCT. & DISCH. STRAINERS -
 CHANGED & CLEANED L.O. STRAINERS #4 AUX. GEN. - CHANGED F.W. SUCT. TO #3 &
 @ 2240 - PUMPED BILGES.

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Mach as before, changed & cleaned #1 FO burner @ FO discharge strainers. Make up feed
 evap on Pot. W. Added 4 gal LO to #3 main feed pump.

FOM (P-18521490) (S-5901460)

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

MACH AS BEFORE CHANGED & CLEANED #4 BURNER & F.O. STRAINERS
 COMPOUNDED #3 & 4 BLRS

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

MACH AS BEFORE EXCEPT - LIT OFF #4 AUX. GEN., AUX. CIRC. PUMP, AUX.
 COND. PUMP + AUX. AIR EJECT. - SPLIT PLANT - #4 AUX. GEN. IDLING - BLEW
 TUBES #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O. BURNER + DISCH. STRAINERS -
 CHANGED & CLEANED L.O. STRAINER #3 & #4 AUX. GEN. - ADDED 5 GAL. L.O. TO BOTH #3
 & #4 MN. FO. PUMPS - TIME CHECK @ 0855 - S/B @ 1030 - BELLS AS PER BELL BOOK -
 ARR. @ 1042 - CTR. 58769500 - FOM. P. 1854560 - FOM. S. 5903520 - STEER. ENG.
 MANNED @ 1030 KRUPP - FWE. @ 1134 -

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

1-22-66 @ 0400

#3 #4

P 759 467

H 993 515

GL 331 124

Blk 25 35

SH Hrs 1203-1268

0800-1200 CONT. - CTR. P. 58770590 - CTR. S. 77643330 - FOM. P. 1856640 - FOM. S. 5903620

CHIEF ENGR'S SIGNATURE

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME			40	24	24	240	MACH. PARTICULARS (CONT'D)			146	146	140	144
DETENTION TIME										132	132	138	132
REVOLUTION COUNTER (END OF WATCH)			5877	5878	5881	5884				118	118	118	118
TOTAL REVOLUTIONS (FOR WATCH)			3590	2185	2180	21720				106	147	151	149
AVERAGE RPM			89.5	90.5	90.5	90.5	TEMPERATURES (CONT'D)			237	238	238	238
F.O. METER (END OF WATCH)	6500	7100	7640	8260	8820	9070							
F.O. CONSUMED	410	440	980	2530	2450	2450							
PRESSURES	THROTTLE			425	425	425	BOILER PARTICULARS						
	H.P. AHEAD			425	425	425							
	L.P. AHEAD			20	20	19							
	VACUUM	29"		28.5"	28.5"	28.8"							
	L.O. TO TURBINES	13	13	13	135	13							
	AUX. STEAM	150	150	150	150	150							
	BACK PRESSURE	10	10	10	10	10							
	GLAND STEAM	10	10	10	10	10							
	H.P. BLEEDER	SECO		70	70	70							
	L.P. BLEEDER	SECO		9	9	9							
TEMPERATURES	L.P. BLEEDER	SECO		20"	19"	20"	MISCELLANEOUS						
	STEAM AT THROTTLE	SECO	600	590	585	600							
	L. P. EXHAUST	107		111	110	111							
	CONDENSATE	93	89	101	101	100							
	CIRC. WATER IN	77	76	76	74	74							
	CIRC. WATER OUT	82	80	80	80	86							
	L.O. TO COOLERS	110	110	128	129	128							
	L.O. FROM COOLERS	110	110	111	110	110							
	TEMPERATURE THRUST BEARING			115	110	113							
	FORWARD H.P. ROTOR BEARING			122	124	121							
PRESSURES	AFT. H.P. ROTOR BEARING			138	132	132	MISCELLANEOUS						
	FORWARD L.P. ROTOR BEARING			130	130	129							
	AFT. L.P. ROTOR BEARING			128	126	124							
TEMPERATURES							MISCELLANEOUS						

GENERATORS											FUEL - WATER AND LUBE OIL			
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	
1200 TO 1600	2	1200	450	470	8	144	134	48	110	1100	240	240	METER AT NOON	5884/1160
													METER PREVIOUS NOON	5876/9520
													CONSUMED BY METER	68/2660
													ON HAND AT START OF DAY	15176
													RECEIVED DURING DAY	676
													EXPENDED DURING DAY	11753
													REMAINING ON BOARD	14407
1600 TO 2000	3	1200	450	470	8	134	114	70	1000	1000	240	240	ON HAND AT START OF DAY	13800
	4	1200	450	470	8	145	134	48	1000	1000	240	240	EVAPORATED OR RECEIVED	
	3	1200	450	600	8	134	116	70					ON HAND	2401
	4	1200	450	600	9	145	134	48	1100	1100	240	240	RECEIVED	
2000 TO 2400													CONSUMED	
2400 TO 0400	4	1200	450	550	7	146	136	48	1000	1000	240	240	ON HAND	
													RECEIVED	
0400 TO 0800	3	1200	450	585	8	134	112	70					CONSUMED	
	4	1200	450	585	9	146	135	48	1000	1000	240	240	ON HAND	
0800 TO 1200	4	1200	450	600	9	144	134	46	1200	1200	240	240	RECEIVED	
													CONSUMED	
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)											L.O. CENTRIFUGE - HOURS OPERATED			
											1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400
											0400 TO 0800	0800 TO 1200		
											4	4	4	4
											SUMMARY			
											RUNNING TIME	PROPELLER SLIP (%)		
											DETENTION TIME	BBL FUEL MI		
											TOTAL REVOLUTIONS	WIND DIRECTION		
											AVERAGE R.P.M.	STATE OF SEA		
											TOTAL MILES BY ENGINE	STATE OF WEATHER		
											TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

Moved Port side to 2150 rpm Dec 396 1/2 "Unobtainable" Mach in operation
 #364 Boiler to 304 main fuel pumps, #4 Turbo Gen, out the pump, out condenser
 vacuum upon main plant and jacking gear engaged. Changed & cleaned #162
 F.O. burner & discharge strainers in F.O. Section - strainers. Cleaned out oil pump
 down unit L.O. strainer #3 Turbo Gen marked running

FOM (P-185-8850) (S-590-3020)

WATCH ENGR'S SIGNATURE - J. Hipping

1600-2000 WATCH

MACH AS BEFORE. MN UNIT ON JACK GEAR, L.O. SYST. CN CLEANED &
 CLEANED F.O. DISCH STRAINERS. FILLING POT TKS FROM PIER

WATCH ENGR'S SIGNATURE - L. Searon

2000-2400 WATCH

MACH. AS BEFORE - TESTED TEL. + TIME CHECK @ 2125 - SEC. JACKING
 GEAR + WARMING UP MN. UNIT @ 2130 - STEAR. ENG. MANNED @ 2145 - KRUPP -
 9/3 @ 2153 - CTR. P. 58770690 - CTR. S. 77643580 - FOM. P. 1857270 - FOM. S. 5904120 -
 BELLS AS PER BELL BOOK - DEP. @ 2300 - CTR. P. 58772170 - CTR. S. 77644910 -
 FOM. P. 1857410 - FOM. S. 5904250 - 16 NOZ. @ 2300 9/3 BRIDGE -

WATCH ENGR'S SIGNATURE - J. Searon

2400-0400 WATCH

Machinery as before, changed & cleaned #2 F.O. burner & F.O. discharge
 strainer @ main unit L.O. strainer

WATCH ENGR'S SIGNATURE - J. Hipping

0400-0800 WATCH

MACH AS BEFORE CHANGED & CLEANED #4 BURNER & F.O. STRAINERS

WATCH ENGR'S SIGNATURE - L. Searon

0800-1200 WATCH

MACH. AS BEFORE EXCEPT - SEC. #3 AUX. GEN., AUX. COND. PUMP, AUX. CIRC. PUMP +
 AUX. AIR EJECTOR + SINGLED PLANT - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED
 #6 F.O. BURNER + DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #1/1 AUX. GEN. -
 ADDED 5 GAL. L.O. TO #4 MN. FD. PUMP - PUMPED BILGES -

WATCH ENGR'S SIGNATURE - J. Searon

CHIEF ENGINEER

1-23-66 @ 0400

#3 #4

P 759 701

M 1051 993

OL 331 166

R/O 30 35

SM 425 127 - 1292

CHIEF ENGR'S SIGNATURE - M. E. Johnson

USNS <i>Gravely</i>	VOYAGE NO.	FROM <i>San Pedro</i>	TO	TYPE OF VESSEL	DATE <i>23 Nov 50</i>
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		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	260	260	260	240			HOTTEST GEAR BEARING FORWARD		140	143	142	145	144	142
DETENTION TIME										HOTTEST GEAR BEARING AFT		132	138	132	132	140	132
REVOLUTION COUNTER (END OF WATCH)		5897	5898	5890	5893	5895	5897			AUX. COND. CONDENSATE		MN	MN	MN	MN	MN	MN
TOTAL REVOLUTIONS (FOR WATCH)		21150	21740	23590	23770	23390	21150			1ST STAGE FEED WATER HEATER		147	148	149	147	145	145
AVERAGE RPM		88.1	90.6	90.7	90.4	90.0	88.1			O. C. FEED WATER HEATER		236	236	238	239	236	238
F.O. METER (END OF WATCH)		5510	5130	5230	4870	4250	8070			3RD STAGE FEED WATER HEATER							
F.O. CONSUMED		2430	2430	2590	2590	2640	2430			SUPER HEAT		P 590	S 590	600	585	570	570
PRESSURES	THROTTLE	425	425	425	425	425	425			F.O. TO BURNERS		180	180	180	180	180	180
	H.P. AHEAD	17	17	17	17	17	15			AIR TO FURNACE		P 120	S 120	118	120	120	120
	L.P. AHEAD	29"	29"	29"	29"	29"	29"			F.O. TEMP. IN SETTLING TANKS		P 110	S 110	115	110	110	110
	VACUUM	13	13	13	13	13	13			PORT BOILER UPTAKE							
	L.O. TO TURBINES	150	150	150	150	150	150			STBD. BOILER UPTAKE							
	AUX. STEAM	10	10	10	10	10	10			F. O. BACK PRESSURE							
	BACK PRESSURE	70	70	70	70	70	70			MAIN STEAM		450	450	450	450	450	450
	GLAND STEAM	9	9	9	9	9	9			F.O. TO BURNERS		135	135	135	130	130	135
	H.P. BLEEDER	20"	20"	20"	20"	20"	21"			MAIN COND. SALINITY		41	41	41	41	41	41
	L.P. BLEEDER	590	600	585	570	570	570			ENGINE ROOM TEMPERATURE		94	94	94	93	93	96
TEMPERATURES	STEAM AT THROTTLE	106	106	105	105	106	112			FIRE ROOM TEMPERATURE		16	16	16	16	16	16
	L. P. EXHAUST	99	99	98	98	98	96			NOZZLES IN USE		P 3	S 3	3	3	3	3
	CONDENSATE	74	74	72	70	71	73			NO. OF BURNERS IN USE		P 1	S 1	A	A	A	A
	CIRC. WATER IN	86	86	86	85	87	86			BURNER TIP SIZE		P A	S A	A	A	A	A
	CIRC. WATER OUT	128	128	128	128	125	125			CO ₂ % PDRT BOILER							
	L.O. TO COOLERS	110	110	110	110	110	108			CO ₂ % STBD. BOILER							
	L.O. FROM COOLERS	114	114	114	114	114	114			OIL LEVEL MAIN SUMP		NORM	NORM	NORM	NORM	NORM	NORM
	TEMPERATURE THRUST BEARING	121	121	123	123	121	121										
	FORWARD H.P. ROTOR BEARING	131	131	131	133	131	129										
	AFT. H.P. ROTOR BEARING	130	130	130	130	130	127										
FORWARD L.P. ROTOR BEARING	128	128	127	128	127	126											
AFT. L.P. ROTOR BEARING																	

GENERATORS													FUEL - WATER AND LUBE OIL																																	
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL			BOILER WATER		LUBE OIL		DIESEL OIL																										
													METER AT NOON			ON HAND AT START OF DAY																														
													METER PREVIOUS NOON			EVAPORATED OR RECEIVED																														
													CONSUMED BY METER			ON HAND																														
													ON HAND AT START OF DAY			CONSUMED																														
													RECEIVED DURING DAY			ON HAND AT START OF DAY																														
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													ON HAND AT START OF DAY			CONSUMED																														
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													CONSUMED			CONSUMED																														
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																																														
L.O. CENTRIFUGE - HOURS OPERATED																																														
<table><tr><td>1200 TO 1600</td><td>1600 TO 2000</td><td>2000 TO 2400</td><td>2400 TO 0400</td><td>0400 TO 0800</td><td>0800 TO 1200</td></tr><tr><td></td><td></td><td>4:20</td><td>4:20</td><td>4:20</td><td>7</td></tr></table>																							1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			4:20	4:20	4:20	7												
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200																																									
		4:20	4:20	4:20	7																																									
SUMMARY																																														
<table><tr><td>RUNNING TIME</td><td>23 42</td><td>PROPELLER SLIP (%)</td><td></td></tr><tr><td>DETENTION TIME</td><td></td><td>BBL FUEL MI</td><td></td></tr><tr><td>TOTAL REVOLUTIONS</td><td>13522</td><td>WIND DIRECTION</td><td></td></tr><tr><td>AVERAGE R.P.M.</td><td>90.1</td><td>STATE OF SEA</td><td></td></tr><tr><td>TOTAL MILES BY ENGINE</td><td>32.4</td><td>STATE OF WEATHER</td><td></td></tr><tr><td>TOTAL MILES BY OBSERVATION</td><td>44.1</td><td></td><td></td></tr></table>																							RUNNING TIME	23 42	PROPELLER SLIP (%)		DETENTION TIME		BBL FUEL MI		TOTAL REVOLUTIONS	13522	WIND DIRECTION		AVERAGE R.P.M.	90.1	STATE OF SEA		TOTAL MILES BY ENGINE	32.4	STATE OF WEATHER		TOTAL MILES BY OBSERVATION	44.1		
RUNNING TIME	23 42	PROPELLER SLIP (%)																																												
DETENTION TIME		BBL FUEL MI																																												
TOTAL REVOLUTIONS	13522	WIND DIRECTION																																												
AVERAGE R.P.M.	90.1	STATE OF SEA																																												
TOTAL MILES BY ENGINE	32.4	STATE OF WEATHER																																												
TOTAL MILES BY OBSERVATION	44.1																																													

1200 TO 1600	4	1200	450	600	9	142	126		48	1000	1000	240
1600 TO 2000	4	1200	450	590	9	142	126		48	1100	1100	240
2000 TO 2400	4	1200	450	600	9	142	126		48	1000	1000	240
2400 TO 0400	4	1200	450	600	9	142	126		48	1000	1000	240
0400 TO 0800	4	1200	450	585	9	142	136		48	1000	1000	240
0800 TO 1200	4	1200	450	570	9	142	127		48	1350	1350	240

REMARKS

1200-1600 WATCH

Mach in operatio. 11/11/11 - Elect LC pump, Main in pump #2, 1 Cond pump, #4 Turbo Gen, #3 & 4 Boilers, #3 & 4 main Sec pump, Emergency pump on line to #3 & 4 boiler. Plant is up. Changed & cleaned FO discharge strainer & suction strainer. #3 & 4 F.O. burner.

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACH AS BEFORE BLEW TUBES #3 & 4 BURS CLEANED & CLEANED #3 & 5 BURNERS & F.O. DISCH STRAINERS

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER + SUCT. + DISCH. STRAINERS CHANGED & CLEANED L.O. STRAINER #4 AUX. GEN. RET. CLOCK 20 MIN @ 2300 - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Mach as before, changed & cleaned #1 F.O. burner & FO discharge strainer & suction strainer

WATCH ENGR'S SIGNATURE

FROM (P-186 6510 VS-59 1300)

0400-0800 WATCH

MACH AS BEFORE CLEANED & CLEANED #4 BURNER & F.O. STRAINERS COMPOUNDED #3 & 4 BURS
ADVANCE & RETARDED CLOCK 20 mins @ 0500.

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

MACH. AS BEFORE EXCEPT - ELECTRICIANS SPLIT ELECT. LOAD @ 1045 - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O. BURNER & DISCH. STRAINERS - ADDED 5 GAL. L.O. TO BOTH #3 & #4 MU. FO. PUMPS - CHANGED & CLEANED L.O. STRAINER #4 AUX. GEN. - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE