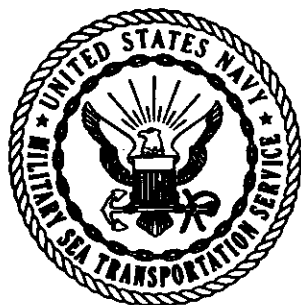


ENGINE ROOM LOG

GEARED TURBINE DRIVE



USNS

Page

FROM 19 Mar 1966 TO 2 June 1966

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 vessel, and with pen and ink or indelible pencil. No erasures nor the removal of any leaves will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or indelible 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, together with notation of any violation of orders or regulations. Remarks 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, cleaning, and painting, including machinery outside the engine spaces.

(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.; data to show in all cases exactly what parts have been attended to or repaired, material or article used and reasons.

(e) Pumping of bilges.

(f) Blowing of tubes.

(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) Grade and quality of fuel oil and lubricating oil used; also type of filtering and cleaning elements installed in both fuel and lube oil lines; results obtained from use thereof.

(j) Record of special tests ordered made.

(k) Defects in supplies received.

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

5. In twin screw vessels when both engines are in the same engine space, alternate pages will be used for recording the readings from the starboard machinery, the other pages being used for the port machinery. In such cases, each sheet of the log book will bear the notation either "Port Machinery" or "Starboard Machinery." In the event that the machinery for each propeller is in a separate engine room, two books shall be utilized and each page of each such book shall be properly marked to indicate to which engine room it applies. For such ships, in addition to individual fuel, water, and lube oil summaries, the sheets covering the control engine room shall carry a consolidated figure reflecting the status of these materials for both machinery spaces.

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

MACHINERY PARTICULARS

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	BOILER WATER	LUBE OIL	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	3	1200	450	620	9	132	110		61	1400	1400	240					METER AT NOON 5010/9480	METER PREVIOUS NOON 1760/5330	CONSUMED BY METER 67306980	ON HAND AT START OF DAY 7084	RECEIVED DURING DAY	EXPENDED DURING DAY 328,351	REMAINING ON BOARD 6439	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY
1600 TO 2000	3	1200	450	600	9	132	110		61	1400	1400	240																
2000 TO 2400	3	1200	450	630	8	132	110		61	1150	1150	240																
2400 TO 0400	3	1200	450	625	9	132	110		61	1200	1200	240																
0400 TO 0800	3	1200	450	630	9	132	110		61	1100	1100	240																
0800 TO 1200	3	1200	450	650	8	132	110		61	1300	1300	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		1		4																		
SUMMARY																												
RUNNING TIME														PERCENT OF 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

MACH. in oper. #3 & 4 BL'S., F.D. FANS, F.O., F.D., pumps, MAIN & AUX. Air Eject's., COND., & Circ. pumps. M.N. Air Comp. L.O., Fire, SAN'T., F.W., & L.O. pumps.

Spring bearing just AFT. of Reefer LAT running very hot @ 1500
Notified 1ST A/E. flushed with L.O. & checked cooling water system to same.

Switched to out'd sett. @ 1200

WATCH ENGR'S SIGNATURE-

A. Duncan

1600-2000 WATCH

MACH AS BEFORE BLEW TUBES #3 & 4 BL'S. MANEUVERING INTO OKINAWA
BELLS AS PER BELBUCK ARRIVAL @ 1742 FOM 623/530, 2203030 CTR 64360/60
STBY FOR LEAVING OKINAWA @ 1914 FOM 623/690, FOM 2203150, CTR 6436300

WATCH ENGR'S SIGNATURE-

W. S. Seaman

2000-2400 WATCH

MANOUVERING - BELLS AS PER BELL BOOK - DEP. @ 2000 - CTR P. 64365240 - CTR S. 83449490.
FOM. P. 2203220 - FOM. S. 6234780 - 16 N2 @ 2000 %B - CHANGED + CLEANED #1, 2 + 6
F.D. BURNERS + DISCH. STRAINERS - CHANGED + CLEANED L.O. STRAINER #3 AUX. GEN. - PUMPED
BILGES -

WATCH ENGR'S SIGNATURE-

J. Seaton

2400-0400 WATCH

Routine watch, mach. @ Above, comp. with Night & dept. orders.

Switched to IN'd. Sett. @ 0000

WATCH ENGR'S SIGNATURE-

A. Duncan

0400-0800 WATCH

MACH AS BEFORE CHANGED & CLEANED #3 BURNER & F.O. SUCT STRAINER
COMPOUNDED #3 BUR
HAD HOT SPRING BEARING IN PORT SHAFT ALICE BUT COOLED IT OFF BY
FLUSHING WITH OIL & COOLING SHAFT WITH WATER

WATCH ENGR'S SIGNATURE-

W. S. Seaman

0800-1200 WATCH

MACH AS BEFORE - BLEW TUBES #3 & 4 BOILERS - CHANGED + CLEANED #5 F.O.
BURNER + DISCH. STRAINERS - CHANGED + CLEANED L.O. STRAINER #3 AUX. GEN -
PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

J. Seaton

CHIEF ENGINEER

3-20 46 @ 0100
#3 #4

P 58.1 8.15

M 11.10 12.85

alk 1.66 1.24

Po 40 40

SC 47 43

STW HRS 2622 2426

CHIEF ENGR'S SIGNATURE-

W. S. Seaman

[illegible]

REMARKS

1200-1600 WATCH

Mach. in oper #3 & 4 bl'r's, F.D. Fans, F.O. & F.W. pumps, M.N. & Aux. Air Eject's, Cond. & Circ. pumps, M.N. Air Comp. L.O., Fire, S.A.T., & F.W. pumps. Routine watch. #3 M.N. Gen.

Switched to OUT'bd. Set. @ 1200

WATCH ENGR'S SIGNATURE-

A. Duncan

1600-2000 WATCH

Mach AS BEFORE. Tblet tubes #3 & 4 BURS. + ANLED & CLEANED #4 BURROR

WATCH ENGR'S SIGNATURE-

W. B. [Signature]

2000-2400 WATCH

MACH. AS BEFORE EXCEPT - 7/3 @ 2030 - FOM. P. 2210780 - FOM. S. 6242280 - CTR. P. 64499610 - CTR. S. 83589560 - BELLS AS PER BELL BOOK - MANOUEVERING INTO SASERO - FWE. @ 2301 - FOM. P. 2211000 - FOM. S. 6242420 - CTR. P. 64501410 - CTR. S. 83591250 - SEC. MN. + BKKD. STM. STOPS + MN. UNIT ON JACKING GEAR -

WATCH ENGR'S SIGNATURE-

J. [Signature]

2400-0400 WATCH

STARTED Fueling @ 2345, st'by f.d. pump on #4 bl'r @ 0000 #4 M.N. Fd. pump secured,

Switched to IN'bd Set. @ 0000

WATCH ENGR'S SIGNATURE-

A. Duncan

0400-0800 WATCH

Finished fueling @ 0510, switched F.W. suet. from 3 P. to 2 P/S. Routine watch. complied with Night & dept. orders.

WATCH ENGR'S SIGNATURE-

A. Duncan

0800-1200 WATCH

Mach AS BEFORE. MN UNIT IDLE ON JACK GEAR L.O. ON

WATCH ENGR'S SIGNATURE-

W. B. [Signature]

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

REMARKS

1200-1600 WATCH

WATCH AS BEFORE. SHIFTED SHIP

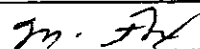
WATCH ENGR'S SIGNATURE-



1600-2000 WATCH

Plant Secured - Made frequent inspection rounds of aft. machinery spaces -
Vented #3 & 4 Boilers @ 2230 - Bilges @ Safe Level

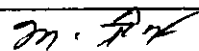
WATCH ENGR'S SIGNATURE-



2000-2400 WATCH

Plant Secured - Bilges @ Safe Level

WATCH ENGR'S SIGNATURE-



2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS	J. Pope	VOYAGE NO.	FROM	Sasebo, Japan	TYPE OF VESSEL	P-2	DATE	3/30/51					
		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													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM				4040									
F.O. METER (END OF WATCH)		624 3640	5240 3640	4440	4040	5240			84/86	84/86	82/85	83/85	84/87
F.O. CONSUMED				400	400	400	400						
MACHINERY PARTICULARS	PRESSURES	THROTTLE											
		H.P. AHEAD											
		L.P. AHEAD											
		VACUUM											
		L.O. TO TURBINES											
		AUX. STEAM	130	130	130	130	130						
		BACK PRESSURE	10	10	10	10	10						
		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												
			MACHINERY PARTICULARS (CONT'D)						MACHINERY PARTICULARS (CONT'D)				
		AFT. H. P. ROTOR BEARING						AFT. H. P. ROTOR BEARING					
		FORWARD L. P. ROTOR BEARING						FORWARD L. P. ROTOR BEARING					
		AFT. L. P. ROTOR BEARING						AFT. L. P. ROTOR BEARING					
		HOTTEST GEAR BEARING FORWARD						HOTTEST GEAR BEARING FORWARD					
		HOTTEST GEAR BEARING AFT						HOTTEST GEAR BEARING AFT					
		AUX. COND. CONDENSATE						AUX. COND. CONDENSATE					
		1ST STAGE FEED WATER HEATER						1ST STAGE FEED WATER HEATER					
		D. C. FEED WATER HEATER						D. C. FEED WATER HEATER					
		3RD STAGE FEED WATER HEATER						3RD STAGE FEED WATER HEATER					
		F.O. TO BURNERS						F.O. TO BURNERS					
		F. O. BACK PRESSURE						F. O. BACK PRESSURE					
		AIR TO FURNACE						AIR TO FURNACE					
		UPTAKE						UPTAKE					
		MAIN STEAM						MAIN STEAM					
		SUPER HEAT						SUPER HEAT					
		F.O. TO BURNERS						F.O. TO BURNERS					
		F.O. TEMP. IN SETTLING TANKS						F.O. TEMP. IN SETTLING TANKS					
		PORT BOILER UPTAKE						PORT BOILER UPTAKE					
		STBD. BOILER UPTAKE						STBD. BOILER UPTAKE					
		ENGINE ROOM TEMPERATURE						ENGINE ROOM TEMPERATURE					
		FIRE ROOM TEMPERATURE						FIRE ROOM TEMPERATURE					
		NOZZLES IN USE						NOZZLES IN USE					
		NO. OF BURNERS IN USE						NO. OF BURNERS IN USE					
		BURNER TIP SIZE						BURNER TIP SIZE					
		CO ₂ % PORT BOILER						CO ₂ % PORT BOILER					
		CO ₂ % STBD. BOILER						CO ₂ % STBD. BOILER					
		OIL LEVEL MAIN SUMP						OIL LEVEL MAIN SUMP					
		NORM. NORM. Norm Norm						NORM. NORM. Norm Norm					
GENERATORS													
WATCH	GENERATOR NUMBER	R. P. M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	
1200 TO 1600													
1600 TO 2000	3	1200	450		8	132	110		61	750	750	240	
	4	1200	450		10	132	118		51	750	750	240	
2000 TO 2400	3	1200	450		8	132	110		61	700	700	240	
	4	1200	450		10	128	108		51	700	700	240	
2400 TO 0400	3	1200	450		8	132	110		61	750	750	240	
	4	1200	450		10	130	108		51	700	700	240	
0400 TO 0800	3	1200	450		8	132	110		61	800	800	240	
	4	1200	450		10	133	118		51	850	850	240	
0800 TO 1200	3	1200	450		8	132	110		61	800	800	240	
	4	1200	450		10	133	118		51	850	850	240	
FUEL - WATER AND LUBE OIL													
		FUEL OIL		BOILER WATER		LUBE 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									
		EXPENDED DURING DAY		RECEIVED									
		REMAINING ON BOARD		ON HAND									
		ON HAND AT START OF DAY		CONSUMED									
		EVAPORATED OR 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								
SUMMARY													
RUNNING TIME				PERCENT OF 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

PUT WARMING FIRE IN #3 BLR @ 1530 PUT #3 & 7 GENS ON LINE
& ASSUMED SHIP'S LOAD

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

ROUTINE PORT WATCH - BILGES AT SAFE LEVEL
SEC. SUPERHEATER VENT #1 BOILER

OILER MORGES - F/W LEARY - ELECT. LEVINER
2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH - BILGES AT SAFE LEVEL

OILER MORGES - F/W LEARY - ELECT. LEVINER
2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH, comp. with night & dept. orders.

IN'bd settler.

Redd, Young, Gintel, LEVINER
0400-0800 WATCH
ROUTINE PORT WATCH,

WATCH ENGR'S SIGNATURE-

Redd, Young, Gintel, Leviner
0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

MACH AS BEFORE CHANGED & CLEANED BURNERS & F.C. DISH STRIPS.

PUT-BELLA OILER SELLERMAN
CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TYPE OF VESSEL		DATE	
Pope						SASCO, JAPAN		P-2 9/11/16	

	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							MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING							
DETENTION TIME								FORWARD L. P. ROTOR BEARING							
REVOLUTION COUNTER (END OF WATCH)								AFT. L. P. ROTOR BEARING							
TOTAL REVOLUTIONS (FOR WATCH)								HOTTEST GEAR BEARING FORWARD							
AVERAGE RPM								HOTTEST GEAR BEARING AFT							
324 F.O. METER (END OF WATCH)	5790	6720	6650	7050	7470	7930		AUX. COND. CONDENSATE	61/55	86/88	84/84	83/84	84/86	85/51	
F.O. CONSUMED	550	430	430	400	420	460		1ST STAGE FEED WATER HEATER	102	102	100	95	98	98	
								D. C. FEED WATER HEATER	235	235	235	236	236	236	
								3RD STAGE FEED WATER HEATER							
								F.O. TO BURNERS	150	120	120	120	120	120	
MACHINERY PARTICULARS	THROTTLE						TEMP. BOILER PARTICULARS	F. O. BACK PRESSURE							
	H.P. AHEAD							AIR TO FURNACE	93			94	94	94	
	L.P. AHEAD							UPTAKE	315			285	315	315	
	VACUUM							MAIN STEAM	530	450	450	450	450	450	
	L.O. TO TURBINES							SUPER HEAT	450	530	530	530	535	530	
	AUX. STEAM	130	130	130	130	130		130	F.O. TO BURNERS	130	150	150	150	150	150
	BACK PRESSURE	10	10	10	10	10		10	F.O. TEMP. IN SETTLING TANKS	80	80	80	80	80	80
	GLAND STEAM							PORT BOILER UPTAKE							
	H.P. BLEEDER							STBD. BOILER UPTAKE							
	L.P. BLEEDER							MISCELLANEOUS	ENGINE ROOM TEMPERATURE	78	80	80	79	79	79
STEAM AT THROTTLE						FIRE ROOM TEMPERATURE									
L.P. EXHAUST						NOZZLES IN USE									
CONDENSATE						NO. OF BURNERS IN USE	2		2	2	2	2	2		
CIRC. WATER IN						BURNER TIP SIZE	C		C	C	C	C	C		
CIRC. WATER OUT						CO ₂ % PORT BOILER									
L.O. TO COOLERS						CO ₂ % STBD. BOILER									
L.O. FROM COOLERS						OIL LEVEL MAIN SUMP									
TEMPERATURE THRUST BEARING															
FORWARD H.P. ROTOR BEARING															

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL															
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	WATER	LUBE OIL												
1200 TO 1600	3	1200	450	530	8	132	110		61	800	800	240	METER AT NOON		ON HAND AT START OF DAY												
	4	1200	450	530	11	130	110		51	850	850	240	METER PREVIOUS NOON		EVAPORATED OR RECEIVED												
1600 TO 2000	3	1200	450	530	8	132	110		61	800	800	240	CONSUMED BY METER		ON HAND												
	4	1200	450	530	10	130	110		51	800	800	240	ON HAND AT START OF DAY		CONSUMED												
2000 TO 2400	3	1200	450	530	8	132	110		61	800	800	240	RECEIVED DURING DAY		ON HAND AT START OF DAY												
	4	1200	450	530	10	130	110		51	800	800	240	EXPENDED DURING DAY		RECEIVED												
2400 TO 0400	3	1200	450	530	8	132	110		61	750	750	240	REMAINING ON BOARD		ON HAND												
	4	1200	450	530	10	130	110		51	750	750	240	ON HAND AT START OF DAY		CONSUMED												
0400 TO 0800	3	1200	450	535	8	132	110		61	850	850	240	DOMESTIC WATER														
	4	1200	450	535	10	130	110		51	850	850	240	ON HAND														
0800 TO 1200	3	1200	450	540	8	132	110		61	850	850	240	CONSUMED														
	4	1200	450	540	10	132	112		51	900	900	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)														
L.O. CENTRIFUGE - HOURS OPERATED																											
<table border="1"> <thead> <tr> <th>1200 TO 1600</th> <th>1600 TO 2000</th> <th>2000 TO 2400</th> <th>2400 TO 0400</th> <th>0400 TO 0800</th> <th>0800 TO 1200</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </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																						
SUMMARY																											
RUNNING TIME												PERCENT OF 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

11/14/41 AS BEFORE. ABC DRILL 1300-1303, FIRE DRILL 1303-1304,
BOAT DRILL @ 1304. SEC'D FIRE ALL DRILL @ 1304

FWT-BELL, OLCR. SCHEERMAN
1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH - BILGES AT SAFE LEVEL

OILER MEREDS F/W LEARY - ELECT. JENKINS-
2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH - CHANGED TO #1 STD. FD. TK. @ 2030 -

OILER MEREDS - F/W LEARY - ELECT. JENKINS
2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH, COMP WITH NIGHT & DEPT. ORDERS

IN'DD SETTLER.

JENKINS, GINTEL, REDD, DOLAN

0400-0800 WATCH

ROUTINE PORT WATCH

WATCH ENGR'S SIGNATURE-

JENKINS, GINTEL, REDD, DOLAN

0800-1200 WATCH

11/14/41 AS BEFORE BLUE TUBES #3 BLUE

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

CHIEF ENGR'S SIGNATURE-

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	BOILER WATER	LUBE OIL			
1200 TO 1600	3	1200	150	530	6	132	110		61	800	800	240	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			
1600 TO 2000	4	1200	150	550	11	132	112		51	800	800	240	ON HAND AT START OF DAY		CONSUMED			
													EVAPORATED OR RECEIVED					
													ON HAND					
													CONSUMED					
2000 TO 2400	3	1200	450	550	8	132	110		61	800	800	240	ON HAND AT START OF DAY					
	4	1200	450	550	10	130	110		51	800	800	240	EVAPORATED OR RECEIVED					
													ON HAND					
													CONSUMED					
2400 TO 0400	3	1200	450	540	8	132	110		61	700	700	240	ON HAND AT START OF DAY					
	4	1200	450	540	10	128	110		51	750	750	240	EVAPORATED OR RECEIVED					
													ON HAND					
													CONSUMED					
0400 TO 0800	3	1200	450	545	8	132	110		61	850	850	240	ON HAND AT START OF DAY					
	4	1200	450	545	10	128	110		51	900	900	240	EVAPORATED OR RECEIVED					
													ON HAND					
													CONSUMED					
0800 TO 1200	3	1200	150	540	8	132	110		61	800	800	240	ON HAND AT START OF DAY					
	4	1200	150	540	10	130	115		51	850	850	240	EVAPORATED OR 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

SUMMARY

RUNNING TIME	PERCENT OF 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

MAG AS BEFORE. CHANGED TO STD OUTSD SET @ 1300.
 STARTED MUF CLAP ON POT WATER
 ADDED 2 GALS LC TO #3 MUF P

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

ROUTINE PORT WATCH-

OILER MORGOS - F/W LEARY - ELECT BROOKS -

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

ROUTINE PORT WATCH - BILGIES AT SAFE LEVEL

OILER MORGOS - F/W LEARY - ELECT BROOKS

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

ROUTINE watch. comp. with night & dept. orders

OUT'BD SETTER

Brooks, Gintel, Dolan, Redd

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

ROUTINE watch.

Brooks, Gintel, Dolan, Redd

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MAG AS BEFORE. CHANGED & CLEANED #3 B/RGR & ED DISCH SINK
 CHANGED TO AFTER PEAK POT SUCT.

FUT BELA, OILER SELFERMAN, CHIEF PORTER

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

REMARKS

1200-1600 WATCH

W/ACH AS BEFORE PUMPED UP STBD INBD SCIT FROM 1/STBD TK

FUT BGLA, OILER SEGGERMAN, ELECT PORTER

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

ROUTINE PORT WATCH - CHANGED + CLEANED #1 F.O. BURNER -

OILER SEGGERMAN - F/W HEARY - ELECT. PORTER

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

ROUTINE PORT WATCH - BILGES AT SAFE LEVEL

OILER MOREOS - F/W HEARY - ELECT. PORTER

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

ROUTINE PORT WATCH
Comp With Night & dept. orders

Porter, Gintch, Young, Redd.

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

ROUTINE PORT WATCH.

Porter, Gintch, Young, Redd

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

W/ACH AS BEFORE

FUT BGLA, OILER SEGGERMAN, ELECT LEVINE

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							MACHINERY PARTICULARS (CONT'D)						
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)	3300	3700	4090	4470	4860	5260							
F.O. CONSUMED	420	400	390	380	390	400							
MACHINERY PARTICULARS	THROTTLE												
	H.P. AHEAD												
	L.P. AHEAD												
	VACUUM												
	L.O. TO TURBINES												
	AUX. STEAM	130	130	130	130	130							
	BACK PRESSURE	10	10	10	10	10							
	GLAND STEAM												
	H.P. BLEEDER												
	L.P. BLEEDER												
PRESSURES	STEAM AT THROTTLE						BOILER PARTICULARS						
	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												
TEMPERATURES							MISCELLANEOUS						

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER	LUBE OIL		
1200 TO 1600	3	1200	450	510	6		132	110		800	800	240	METER AT NOON			ON HAND AT START OF DAY		
													METER PREVIOUS NOON		EVAPORATED OR RECEIVED			
1600 TO 2000	4	1200	450	510	51		131	115		850	850	240	CONSUMED BY METER		ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
													RECEIVED DURING DAY		ON HAND AT START OF DAY			
													EXPENDED DURING DAY	56	RECEIVED			
													REMAINING ON BOARD		ON HAND			
2000 TO 2400													ON HAND AT START OF DAY		CONSUMED			
	3	1200	450	550	8		132	110	61	800	800	240	EVAPORATED OR RECEIVED					
	4	1200	450	550	10		130	110	51	800	800	240	ON HAND					
2400 TO 0400													CONSUMED					
	3	1200	450	550	8		132	110	61	700	700	240	LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)					
0400 TO 0800	4	1200	450	550	10		130	110	51	700	700	240	L.O. CENTRIFUGE - HOURS OPERATED					
	3	1200	450	530	8		132	110	61	700	700	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
0800 TO 1200	4	1200	450	530	10		130	110	51	700	700	240						
													SUMMARY					
	3	1200	450	555	8		132	110	61	750	750	240	RUNNING TIME			PERCENT OF SLIP		
	4	1200	450	555	10		130	110	51	700	700	240	DETENTION TIME			BBL FUEL/MI		
													TOTAL REVOLUTIONS			WIND DIRECTION		
	3	1200	450	550	8		132	110	61	750	750	240	AVERAGE R.P.M.			STATE OF SEA		
	4	1200	450	550	10		130	110	51	800	800	240	TOTAL MILES BY ENGINE			STATE OF WEATHER		
													TOTAL MILES BY OBSERVATION					

REMARKS

1200-1600 WATCH

WAG AS BEFORE.

FUT-1301A, OVER SCIGERMAN, ELECT-LEVINGER

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

ROUTINE PORT WATCH - CHANGED TO #3 P/S F.W. SVCT. @ 1630

DIVER MCREOS - F/W LEARY - ELECT. LEVINGER

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

ROUTINE PORT WATCH - BILGES AT SAFE LEVEL

DIVER MCREOS - F/W LEARY - ELECT. LEVINGER

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

ROUTINE PORT WATCH.

OUT'bd settler

Leviner, Gintel, Dolan, Redd.

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

Switched To Inbd Settler @ 0400

Pumped up out'bd settler.

Routine Port watch

Secured #3 st'bd TO Trim ship.

Leviner, Gintel, Dolan, Redd

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

WAG AS BEFORE. BLEW TUBES #3 BLR.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
Pope				SASEBO, JAPAN				P-2		4/4/57	

	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							MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING							
DETENTION TIME								FORWARD L. P. ROTOR BEARING							
REVOLUTION COUNTER (END OF WATCH)								AFT. L. P. ROTOR BEARING							
TOTAL REVOLUTIONS (FOR WATCH)								HOTTEST GEAR BEARING FORWARD							
AVERAGE RPM								HOTTEST GEAR BEARING AFT							
625 F.O. METER (END OF WATCH)	5730	6190	6590	7010	7460	7900	TEMPERATURES (CONT'D)	AUX. COND. CONDENSATE	84/89	86/87	86/86	85/86	86/87	86/87	
F.O. CONSUMED	370	460	400	420	450	440		1ST STAGE FEED WATER HEATER	112	110	110	110	110	110	
MACHINERY PARTICULARS	THROTTLE							D. C. FEED WATER HEATER	235	235	235	235	232	234	
	H.P. AHEAD							3RD STAGE FEED WATER HEATER							
	L.P. AHEAD							BOILER PARTICULARS	F.O. TO BURNERS	150	150	150	150	150	150
	VACUUM						F. O. BACK PRESSURE								
	L.O. TO TURBINES						AIR TO FURNACE		98	98	96	96	95	95	
	AUX. STEAM	130	130	130	130	130	130		UPTAKE	260	270	270	280	284	286
	BACK PRESSURE	10	10	10	10	10	10		MAIN STEAM	550	550	540	545	545	545
	GLAND STEAM						TEMPERATURES	SUPER HEAT	450	450	450	450	450	450	
	H.P. BLEEDER							F.O. TO BURNERS	120	130	130	135	140	140	
	I.P. BLEEDER							F.O. TEMP. IN SETTLING TANKS	72	80	85	75	75	78	
L.P. BLEEDER						PORT BOILER UPTAKE									
STEAM AT THROTTLE						STBD. BOILER UPTAKE									
L.P. EXHAUST						MISCELLANEOUS	ENGINE ROOM TEMPERATURE	78	79	79	79	79	78		
CONDENSATE							FIRE ROOM TEMPERATURE								
CIRC. WATER IN							NOZZLES IN USE								
CIRC. WATER OUT							NO. OF BURNERS IN USE	2	2	2	2	2	2		
L.O. TO COOLERS							BURNER TIP SIZE	C	6	C	C	C	C		
L.O. FROM COOLERS							CO ₂ % PORT BOILER								
TEMPERATURE THRUST BEARING							CO ₂ % STBD. BOILER								
FORWARD H.P. ROTOR BEARING							OIL LEVEL MAIN SUMP	Norm	Norm	Norm	Norm	Norm	Norm		

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	BOILER WATER	LUBE OIL	
1200 TO 1600	3	1200	150	550	8	132	110		6	800	800	240	METER AT NOON			ON HAND AT START OF DAY	
	4	1200	150	550	10	130	110		51	800	800	240	METER PREVIOUS NOON			EVAPORATED OR RECEIVED	
1600 TO 2000	3	1200	450	550	8	132	110		61	800	800	240	CONSUMED BY METER			ON HAND	
	4	1200	450	550	10	130	110		51	800	800	240	ON HAND AT START OF DAY			CONSUMED	
2000 TO 2400	3	1200	450	540	8	132	110		61	750	750	240	RECEIVED DURING DAY			ON HAND AT START OF DAY	
	4	1200	450	540	10	130	110		51	750	750	240	EXPENDED DURING DAY	60		RECEIVED	
2400 TO 0400	3	1200	450	545	8	132	110		61	750	750	240	REMAINING ON BOARD			ON HAND	
	4	1200	450	545	10	132	113		51	800	800	240	ON HAND AT START OF DAY			CONSUMED	
0400 TO 0800	3	1200	450	545	8	132	110		61	850	850	240	EVAPORATED OR RECEIVED				
	4	1200	450	545	10	130	110		57	850	850	240	ON HAND				
0800 TO 1200	3	1200	450	540	8	132	110		61	800	800	240	CONSUMED				
	4	1200	450	540	10	130	110		51	850	850	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

SUMMARY	
RUNNING TIME	PERCENT OF 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

W/AC/ AS BEFORE ROLLED MW GUL 1/2 TURNS ON JACK GEAR.
CHANGED & CLEANED #3 BURNER & F.O. DISC/ STRAIPS.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

ROUTINE PORT WATCH - CHANGED & CLEANED #1 F.O. BURNER

DILER MEREDS - F/W BARBER - EFFECT. JENKINS
2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH - BILGES AT SAFE LEVEL

DILER MEREDS - F/W BARBER - EFFECT. JENKINS
2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH
Comp. with Night & dept. orders
Secured #3 stbd to trim ship.

JENKINS, GINTEL, DOLAN, REDD.
0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH.

JENKINS, GINTEL, DOLAN, REDD.
0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

W/AC/ AS BEFORE CHANGED & CLEANED #1 & #3 BURNERS.

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																
DETENTION TIME																
REVOLUTION COUNTER (END OF WATCH)																
TOTAL REVOLUTIONS (FOR WATCH)																
AVERAGE RPM																
F.O. METER (END OF WATCH)		83 1/2	8810	9270	9730	60220	60690									
F.O. CONSUMED		4 1/2	470	460	460	490	470									
MACHINERY PARTICULARS	PRESSURES	THROTTLE						MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING						
		H. P. AHEAD								FORWARD L. P. ROTOR BEARING						
		L. P. AHEAD								AFT. L. P. ROTOR BEARING						
		VACUUM								HOTTEST GEAR BEARING FORWARD						
		L. O. TO TURBINES								HOTTEST GEAR BEARING AFT						
		AUX. STEAM	130	130	130	130	130			AUX. COND. CONDENSATE						
	TEMPERATURES	BACK PRESSURE	10	10	10	10	10		1ST STAGE FEED WATER HEATER		115	110	110	110	110	
		GLAND STEAM							D. C. FEED WATER HEATER		232	232	233	233	234	
		H. P. BLEEDER							3RD STAGE FEED WATER HEATER							
		I. P. BLEEDER							F. O. TO BURNERS		150	150	150	150	150	
		L. P. BLEEDER							F. O. BACK PRESSURE							
		STEAM AT THROTTLE							AIR TO FURNACE		100	100	100	99	98	
TEMPERATURES	PRESSURES	L. P. EXHAUST						BOILER PARTICULARS	TEMPERATURES	UPTAKE						
		CONDENSATE								MAIN STEAM		550	550	550	555	550
		CIRC. WATER IN								SUPER HEAT		450	450	450	450	450
		CIRC. WATER OUT								F. O. TO BURNERS		100	105	100	110	110
		L. O. TO COOLERS								F. O. TEMP. IN SETTLING TANKS		78	80	77	80	80
		L. O. FROM COOLERS								PORT BOILER UPTAKE						
	TEMPERATURES	TEMPERATURE THRUST BEARING						STBD. BOILER UPTAKE								
		FORWARD H. P. ROTOR BEARING						ENGINE ROOM TEMPERATURE		80	80	80	80			
								FIRE ROOM TEMPERATURE								
								NOZZLES IN USE								
								NO. OF BURNERS IN USE		2	2	2	2			
								BURNER TIP SIZE		C	C	C	C			
							CO ₂ % PORT BOILER									
							CO ₂ % STBD. BOILER									
							OIL LEVEL MAIN SUMP		NORM	NORM	NORM	NORM				

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL									
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL				BOILER WATER		LUBE OIL			
1200 TO 1600													METER AT NOON				ON HAND AT START OF DAY					
													METER PREVIOUS NOON				EVAPORATED OR RECEIVED					
													CONSUMED BY METER				ON HAND					
1600 TO 2000	3	1200	450	550	8	132	110		61	750	750	240	ON HAND AT START OF DAY				CONSUMED					
	4	1200	450	550	10	130	110		51	750	750	240	RECEIVED DURING DAY				ON HAND AT START OF DAY					
													EXPENDED DURING DAY	66			RECEIVED					
													REMAINING ON BOARD				ON HAND					
2000 TO 2400	3	1200	450	550	8	132	110		61	700	700	240	ON HAND AT START OF DAY				CONSUMED					
	4	1200	450	550	10	130	110		51	700	700	240	EVAPORATED OR RECEIVED									
													ON HAND									
2400 TO 0400	3	1200	450	550	8	132	110		61	700	700	240	CONSUMED									
	4	1200	450	550	10	130	110		51	700	700	240										
0400 TO 0800	3	1200	450	535	8	132	110		61	800	800	240										
	4	1200	450	535	10	128	110		57	750	750	240										
0800 TO 1200	3	1200	450	550	8	132	110		61	800	800	240										
	4	1200	450	550	10	130	110		51	850	850	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			
														SUMMARY								
														RUNNING TIME				PERCENT OF 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

WATCH AS BEFORE

WATCH ENGR'S SIGNATURE-

W. B. S. (signature)

1600-2000 WATCH

ROUTINE PORT WATCH - HIT OFF L.O. PURIFIER @ 1930 - SUPERHEATER
SAFETY VALVE LEAKING ON #3 BOILER

DIVER MORGES - F/W BARBER - ELECT. BROOKS

WATCH ENGR'S SIGNATURE-

J. Seaton (signature)

2000-2400 WATCH

ROUTINE PORT WATCH - BILGES AT SAFE LEVEL

DIVER MORGES - F/W BARBER - ELECT. BROOKS

WATCH ENGR'S SIGNATURE-

J. Seaton (signature)

2400-0400 WATCH

ROUTINE PORT WATCH
Comp. with Night & dept. orders

Brooks, Gintel, Dolan, Redd

WATCH ENGR'S SIGNATURE-

A. Duncan (signature)

0400-0800 WATCH

ROUTINE PORT WATCH

Brooks, Gintel, Dolan, Redd

WATCH ENGR'S SIGNATURE-

A. Duncan (signature)

0800-1200 WATCH

WATCH AS BEFORE. STARTED JACK GEAR @ L.O. ON

WATCH ENGR'S SIGNATURE-

W. B. S. (signature)

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

WATCH							WATCH										
														1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400
RUNNING TIME																	
DETENTION TIME																	
REVOLUTION COUNTER (END OF WATCH)																	
TOTAL REVOLUTIONS (FOR WATCH)																	
AVERAGE RPM																	
F.O. METER (END OF WATCH)							1160	1590	2010	2430	2880	3380					
F.O. CONSUMED							470	430	480	420	450	500					
MACHINERY PARTICULARS	PRESSURES	THROTTLE						MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING							
		H.P. AHEAD								FORWARD L. P. ROTOR BEARING							
		L.P. AHEAD								AFT. L.P. ROTOR BEARING							
		VACUUM								HOTTEST GEAR BEARING FORWARD							
		L.O. TO TURBINES				13.5	13.5			13.5	HOTTEST GEAR BEARING AFT						
		AUX. STEAM	130	130	130	130	130			130	AUX. COND. CONDENSATE	94/89	85/84	87/87	91/91	93/92	80/83
		BACK PRESSURE	10	10	10	10	10			10	1ST STAGE FEED WATER HEATER	116/93	106	107	111	110	87
		GLAND STEAM								D. C. FEED WATER HEATER	231	230	132	232	232	233	
		H.P. BLEEDER								3RD STAGE FEED WATER HEATER							
	TEMPERATURES	STEAM AT THROTTLE						BOILER PARTICULARS	PRESSURES	F.O. TO BURNERS	150	150	150	150	150	150	
		L.P. EXHAUST								F. O. BACK PRESSURE							
		CONDENSATE								AIR TO FURNACE	98	102	104	94	91	94	
		CIRC. WATER IN								UPTAKE	265	262	272	270	270	270	
		CIRC. WATER OUT								MAIN STEAM	540	550	540	540	540	530	
		L.O. TO COOLERS								SUPER HEAT	450	450	450	450	450	450	
		L.O. FROM COOLERS				100	100			104	F.O. TO BURNERS	100	90	80	85	85	130
		TEMPERATURE THRUST BEARING								F.O. TEMP. IN SETTLING TANKS	77	77	78	80	90	90	
FORWARD H.P. ROTOR BEARING							MISCELLANEOUS		PORT BOILER UPTAKE								
									STBD. BOILER UPTAKE								
									ENGINE ROOM TEMPERATURE	83	83	84	80	80	84		
									FIRE ROOM TEMPERATURE								
									NOZZLES IN USE								
							NO. OF BURNERS IN USE	2	2	2	2	2	1				
							BURNER TIP SIZE	C	C	C	C	C	C				
							CO ₂ % PORT BOILER										
							CO ₂ % STBD. BOILER										
							OIL LEVEL MAIN SUMP	NORM NORM NORM NORM NORM									

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	BOILER WATER	LUBE OIL		
1200 TO 1600	3	1200	450	540	8	132	110		61	800	800	240	METER AT NOON		ON HAND AT START OF DAY			
													METER PREVIOUS NOON		EVAPORATED OR RECEIVED			
1600 TO 2000	4	1200	450	540	10	130	114		51	850	850	240	CONSUMED BY METER		ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
													RECEIVED DURING DAY		ON HAND AT START OF DAY			
													EXPENDED DURING DAY	64	RECEIVED			
													REMAINING ON BOARD		ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
2000 TO 2400	3	1200	450	550	8	130	108		61	800	800	240	ON HAND AT START OF DAY					
	4	1200	450	550	10	128	110		57	800	800	240	EVAPORATED OR RECEIVED					
2400 TO 0400	3	1200	450	540	8	132	110		61	800	800	240	ON HAND					
	4	1200	450	540	10	130	114		57	800	800	240	CONSUMED					
0400 TO 0800	3	1200	450	540	8	132	110		61	800	800	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
	4	1200	450	540	10	130	111		51	800	800	240	L. O. CENTRIFUGE - HOURS OPERATED					
0800 TO 1200	3	1200	450	540	8	132	110		61	1000	1000	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	4	1200	450	540	10	130	114		57	1050	1050	240	4	4	4	4	4	4
SUMMARY																		
0800 TO 1200	RUNNING TIME						PERCENT OF 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

MACH AS BEFORE. TAKING PET WATER ON FROM BARGE

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

ROUTINE PORT WATCH - CHANGED & CLEANED #1 F.O. BURNER -
CHANGED TO OUTBD. F.O. SETT. @ 1945 - LIT OFF #3 F.O. PUMP - SEC. #4 F.O. PUMP

DIVER McCONNELL - F/W CLEMENS - ELECT. PORTER WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

ROUTINE PORT WATCH - BILGES AT SAFE LEVEL

DIVER McCONNELL - F/W CLEMENS - ELECT. PORTER WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

ROUTINE PORT WATCH
Comp. with Night & dept. orders

Porter, Seegerman, Schlaiss, Bella, Gintel WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACH AS BEFORE. PUT FIRE IN #4 BUR @ 0500. INTERMITTENT FIRING
BUR TO WARM IT UP

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH AS BEFORE EXCEPT - LIT OFF MN. CIRC. PUMP @ 0900 - MN. AIR ELECT.
ON 2ND STAGE - INTERMITTANT FIRE IN #4 BOILER - SPAT ELECT. LOAD @ 1100

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			180	240	240	150		MACHINERY PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		AFT. H. P. ROTOR BEARING					
DETENTION TIME												FORWARD L. P. ROTOR BEARING					
REVOLUTION COUNTER (END OF WATCH)			6451 5440	6452 2350	6453 4290							AFT. L. P. ROTOR BEARING					
TOTAL REVOLUTIONS (FOR WATCH)			10370	11910	11940							HOTTEST GEAR BEARING FORWARD					
AVERAGE RPM			91.6	49.6	49.7							HOTTEST GEAR BEARING AFT					
F.O. METER (END OF WATCH)		3740 1840	4270 2390	2960 7770	3470 5270	5090 5710	4370					AUX. COND. CONDENSATE					
F.O. CONSUMED		360	1080	1070	1010	2580	460					1ST STAGE FEED WATER HEATER					
												D. C. FEED WATER HEATER					
												3RD STAGE FEED WATER HEATER					
												F.O. TO BURNERS					
								F. O. BACK PRESSURE									
								AIR TO FURNACE									
								UPTAKE									
								MAIN STEAM									
								SUPER HEAT									
								F.O. TO BURNERS									
								F.O. TEMP. IN SETTLING TANKS									
								PORT BOILER UPTAKE									
								STBD. BOILER UPTAKE									
								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									
								NORM									
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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	FUEL OIL	BOILER WATER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED
1200 TO 1600	3	1200	450	545	8	130	110		61	700	700	240					
	4	1200	450	545	10	130	110		51	650	650	240					
1600 TO 2000	3	1200	450	540	8	130	110		61	600	600	240					
	4	1200	450	560	10	129	110		51	650	650	240					
2000 TO 2400	3	1200	450	540	8	130	110		61	550	550	240					
	4	1200	450	540	10	132	110		51	550	550	240					
2400 TO 0400	3	1200	450	540	8	132	110		61	600	600	240					
	4	1200	450	540	10	132	112		51	600	600	240					
0400 TO 0800	3	1200	450	540	8	132	110		61	550	550	240					
	4	1200	450	540	10	129	110		51	600	600	240					
0800 TO 1200	3	1200	450	530	8	132	110		62	500	500	240					
	4	1200	450	530	10	131	110		53	500	500	240					
												FUEL 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	18945	CONSUMED			
												RECEIVED DURING DAY		ON HAND AT START OF DAY			
												EXPENDED DURING DAY	124/031	RECEIVED			
												REMAINING ON BOARD	15360	ON HAND			
												ON HAND AT START OF DAY		CONSUMED			
												EVAPORATED OR RECEIVED		DIE 2000			
												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	4	4	3	4	4
												SUMMARY					
												RUNNING TIME		PERCENT OF 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

Set clocks @ 1200, TT @ 1428, 1ST ST_g Air E_j on @ 1430,
 ST_{by} Fire drill @ 1500 secured @ 1507 - Abandon Ship drill 1510, secured @ 1518
 Rolling MN. UNIT 1455, JACKING GEAR off.
 ST_{by} @ 1532 C-64503270
 F.O.M. P-2211840 S-6263740

Bells @ per bell book

out'bd settler

WATCH ENGR'S SIGNATURE-

C. Duncan

1600-2000 WATCH

MACH AS BEFORE LEAVING SASCB, BELLS AS PER BELLBOOK DEPT @ 1630.
 FOM 2211950, FOM 6263850, CIR 6/505050 600 RPM @ 1630 B/CB 50 RPM @
 1800 B/CB

WATCH ENGR'S SIGNATURE-

L. Brinkley

2000-2400 WATCH

MACH. AS BEFORE EXCEPT - SEC. M.V. EVAP. @ 2130 B/O 1ST A/E - CHANGED + CLEANED
 F.O. DISCH. STRAINERS - CHANGED + CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - PUMPED
 BILGES -

WATCH ENGR'S SIGNATURE-

J. Seaton

2400-0400 WATCH

Routine watch, Comp with Night dept. orders

Switched To IN'bd settler @ 0000

WATCH ENGR'S SIGNATURE-

H. Duncan

0400-0800 WATCH

MACH AS BEFORE. COMPOUNDED #3 & #4 TURBS. SLOWED TO 25 RPM @ 0400
 35 RPM @ 0537, 50 RPM @ 0552
 ARRIVAL @ 0630 FOM 6265560, FOM 2213700, CIR 64545100, CIR 83635960
 BELLS AS PER BELLBOOK

WATCH ENGR'S SIGNATURE-

L. Brinkley

0800-1200 WATCH

FWE. @ 0800 - CTR. P. 64547040 - S. 83637760 - FOM. P. 2213970 - S. 6265720 -
 SEC. #3 BOILER - MN. UNIT ON JACKING GEAR - SEC. MN. AIR EJECT. & MN. #4 COND. PUMP -
 BILGES AT SAFE LEVEL

WATCH ENGR'S SIGNATURE-

J. Seaton

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

M. Brinkley

WATCH							WATCH									
														1200 TO 1600	1600 TO 2000	2000 TO 2400
RUNNING TIME																
DETENTION TIME																
REVOLUTION COUNTER (END OF WATCH)																
TOTAL REVOLUTIONS (FOR WATCH)																
AVERAGE RPM																
F.O. METER (END OF WATCH)							4810	5110	5420	5740	6070	6420				
F.O. CONSUMED							440	300	310	320	330	350				
PRESSURES	THROTTLE															
	H.P. AHEAD															
	L.P. AHEAD															
	VACUUM															
	L.O. TO TURBINES						13.5	13.5	13.5							
	AUX. STEAM						125	125	125	125	125	125				
	BACK PRESSURE						10	10	10	10	10	10				
	GLAND STEAM						-	-								
	H.P. BLEEDER						-	-								
	I.P. BLEEDER						-	-								
L.P. BLEEDER						-	-									
TEMPERATURES	STEAM AT THROTTLE						-	-								
	L.P. EXHAUST															
	CONDENSATE															
	CIRC. WATER IN						60	58								
	CIRC. WATER OUT						61	60								
	L.O. TO COOLERS						111	112								
	L.O. FROM COOLERS						109	108								
	TEMPERATURE THRUST BEARING															
	FORWARD H.P. ROTOR BEARING															
	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING														
FORWARD L. P. ROTOR BEARING																
AFT. L.P. ROTOR BEARING																
HOTTEST GEAR BEARING FORWARD																
HOTTEST GEAR BEARING AFT																
AUX. COND. CONDENSATE						85/82	82	83	83	78	78					
1ST STAGE FEED WATER HEATER						114	124	127	126	143	143					
D. C. FEED WATER HEATER						235	236	233	234	232	233					
3RD STAGE FEED WATER HEATER																
BOILER PARTICULARS		F.O. TO BURNERS						150	150	150	150	150	150			
	F. O. BACK PRESSURE															
	AIR TO FURNACE						98	98	96	96	97	96				
	UPTAKE															
	MAIN STEAM						535	540	530	535	530	530				
	SUPER HEAT						450	450	450	450	450	450				
	F.O. TO BURNERS						90	120	115	115	120	120				
	F.O. TEMP. IN SETTLING TANKS						65	65	80	80	80	80				
	PORT BOILER UPTAKE															
	STBD. BOILER UPTAKE															
MISCELLANEOUS	ENGINE ROOM TEMPERATURE						82	79	78	79	79	79				
	FIRE ROOM TEMPERATURE															
	NOZZLES IN USE															
	NO. OF BURNERS IN USE						1	2	2	2	2	2				
	BURNER TIP SIZE						A	C	C	C	C	C				
	CO ₂ % PORT BOILER															
	CO ₂ % STBD. BOILER															
	OIL LEVEL MAIN SUMP						Norm Norm Norm Norm Norm									

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL	
1200 TO 1600	3	1200	450	535	8	132	110		61	550	550	240	METER AT NOON		ON HAND AT START OF DAY			
	4	1200	450	535	10	132	114		51	530	530	240	METER PREVIOUS NOON		EVAPORATED OR RECEIVED			
1600 TO 2000													CONSUMED BY METER		ON HAND			
	3	1200	450	540	8	132	110		61	550	550	240	ON HAND AT START OF DAY	18360	CONSUMED			
													RECEIVED DURING DAY		ON HAND AT START OF DAY			
													EXPENDED DURING DAY	135/49	RECEIVED			
													REMAINING ON BOARD	18176	ON HAND			
													ON HAND AT START OF DAY		CONSUMED			
2000 TO 2400	4	1200	450	540	10	130	110		51	550	550	240	EVAPORATED OR RECEIVED		DIE 2000			
													ON HAND					
2400 TO 0400	3	1200	450	530	8	132	110		61	450	450	240	CONSUMED					
	4	1200	450	530	10	128	108		52	450	450	240	LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)					
0400 TO 0800	3	1200	450	535	8	132	110		61	450	450	240	L.O. CENTRIFUGE - HOURS OPERATED					
	4	1200	450	535	10	128	110		51	500	500	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
0800 TO 1200													4	4	4	4	4	.
													SUMMARY					
	3	1200	450	530	8	132	110		61	400	400	240	RUNNING TIME		PERCENT OF SLIP			
	4	1200	450	530	10	130	110		51	350	350	240	DETENTION TIME		BBL FUEL/MI			
													TOTAL REVOLUTIONS		WIND DIRECTION			
	3	1200	450	530	8	130	110		61	500	500	240	AVERAGE R.P.M.		STATE OF SEA			
													TOTAL MILES BY ENGINE		STATE OF WEATHER			
	4	1200	450	530	10	132	110		51	500	500	240	TOTAL MILES BY OBSERVATION					

1200-1600 WATCH

Routine Port Watch
 closed 3P. - 3CL open
 Secured L.P. Exh. @ 1440

WATCH ENGR'S SIGNATURE-

IN'd settler

1600-2000 WATCH

MACH AS BEFORE OILNGED & CLEANED #2 BURNER & FO. DISCH STRNRS

JR. ENG. C. REQUILLARD JR.

FOOT-CLONOS, OILER H/AREOS, CRET LEINER
 2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

ROUTINE PORT WATCH - SEC. MN. EX. STOP #3 BURNER - BILGES AT SAFE LEVEL

FLECT. LEVINIER

OILER REDD - FW MCCONNELL - JR. ENGR. MUMFEE

WATCH ENGR'S SIGNATURE-

Secured L.O. system & JACKING Gear @ 0000 L.P. Exh. Temp. 100°
 Routine Port Watch.

Complied with dept. order & Night orders except #2.
 Secured MN. Circ. @ 0200

Levenier, Gintel, Bella, Seggerman

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

Routine Port Watch

Levenier, Gintel, Bella, Seggerman

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH AS BEFORE OILNGED & CLEANED #2 & 4 BURNERS & FO. DISCH STRNRS.

OILER H/AREOS, FOOT-CLONOS, CRET LEINER
 CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

CHIEF ENGR'S SIGNATURE-

1200-1600 WATCH

MAG AS BEFORE

OILER MORECS, FWT-CLEMENS, ELECT LEONARD

OILER LINDBURGH - F/W J.G.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

ROUTINE PORT WATCH - OILER REED & F/W DOLAN FAILED TO RELIEVE WATCH -
CALLED OUT LINDBURGH & MCINTYRE TO RELIEVE MORECS & CLEMENS -

OILER LINDBURGH - F/W MCINTYRE - ELECT. JENKINS

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

ROUTINE PORT WATCH - BILGES AT SAFE LEVEL

OILER LINDBURGH - F/W MCINTYRE - ELECT. JENKINS

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

L.D. SYSTEM & JACKING GEAR ON @ 0200 - ROUTINE PORT WATCH

IN'D SOTTER

SPAGGERMAN, BELLA

0400-0800 WATCH

MAG AS BEFORE. PUT VAL ON W/L UNIT. HIT OFF #3 BUR. FIRING IT
INTERMITTENTLY.

FWT CLEMENS, OILER MORECS JR, RECHILLARD

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

PORT WATCH - PUT #3 BOILER ON LINE @ 0930 - SEC. JACKING GEAR +
ROLLING M.V. UNIT ON STM. - $\frac{7}{8}$ @ 0942 - CTR. P. 64547260 - CTR. S. 83638580
FOM. P. 2718430 - FOM. S. 6265910 - BELLS AS PER BELL BOOK - HIT OFF STM.
STBY. FD. PUMP TO #4 BOILER & SEC. #4 ELECT. FD. PUMP FOR REPAIRS @ 1100 -

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

4-11-66 @ 0700

#3 #4

P 9.31 5.76

M 13.43 13.43

C/L 6.63 5.39

SG 32 34

PMS 15 10

STM 4RS 100 - 203

CHIEF ENGR'S SIGNATURE-

REMARKS

1200-1600 WATCH

Dept. @ 1412 C-64549430 F.O.M.P. 2219010 S-6266270

Hi S.S. Secured h.o. open. 150[#] Red ST'N. by pass cracked, ST'm secured from
 ALT To F.W. HT'r. Mach. in op. #3 & 4 Gen, h'r's, F.d. Fans, F.O. & F.d pumps. MN. &
 Aux. Air Eject's, Circ's. MN. Air Comp., L.O., Fire, SAN'T, F.W. pumps.
 #3 & 4 MN. Cond. Pumps

Bells @ per bell book

Switched to out'd settler 1206

WATCH ENGR'S SIGNATURE-

A. Duncan

1600-2000 WATCH

Mach AS BEFORE. CHANGED & CLEANED F.O. SUCT & DISCH STRAINERS.
 SPED UP TO 14 NOZZLES @ 1600 % B.

WATCH ENGR'S SIGNATURE-

W. Beatty

2000-2400 WATCH

Mach. AS BEFORE - CHANGED & CLEANED F.O. DISCH. STRAINERS - CHANGED &
 CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - PUMPED BILGES.

WATCH ENGR'S SIGNATURE-

J. Beaton

2400-0400 WATCH

ROUTINE WATCH, mach. @ Above EXCEPT #4 ST'm F.W. Pump ON, ST'm ON
 TO F.W. HT'r, 150[#] ST'm secured TO L.P. EVAP.

WATCH ENGR'S SIGNATURE-

A. Duncan

0400-0800 WATCH

Switched to in'd sett. @ 0000
 Mach AS BEFORE. CHANGED & CLEANED #3 & 4 BURNERS & F.O. DISCH STRAINERS.
 ADDED COMPOUND TO CONDENSATE.

WATCH ENGR'S SIGNATURE-

W. Beatty

0800-1200 WATCH

Mach. AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #5 F.O.
 BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN.
 PUMPED BILGES.

WATCH ENGR'S SIGNATURE-

J. Beaton

CHIEF ENGINEER

4-11-64 @ 0100

#3 #4

P 9.34 8.76

M 13.43 13.43

GHL 6.63 5.39

P₄ 4.2 4.0S₃ 3.2 3.1

STN 100-203

CHIEF ENGR'S SIGNATURE-

M. Beaton

		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	MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	126	126	128	126	126	128	
DETENTION TIME										FORWARD L. P. ROTOR BEARING	127	128	129	128	128	128	128
REVOLUTION COUNTER (END OF WATCH)		6468	6470	6472	6474	6476	6479			AFT. L. P. ROTOR BEARING	126	126	127	128	127	127	127
TOTAL REVOLUTIONS (FOR WATCH)		21050	20890	22430	22460	22560	20500			HOTTEST GEAR BEARING FORWARD	137	138	140	136	136	140	140
AVERAGE RPM		87.7	87.0	86.3	86.4	86.5	85.4			HOTTEST GEAR BEARING AFT	133	134	133	134	134	133	133
F.O. METER (END OF WATCH)		3700	3750	3830	3870	3910	3950			AUX. COND. CONDENSATE	94	92	107	108	106	109	109
F.O. CONSUMED		2300	2340	2480	2500	2550	2310			1ST STAGE FEED WATER HEATER	107	115	120	121	121	135	135
										D. C. FEED WATER HEATER	236	237	238	237	237	238	238
										3RD STAGE FEED WATER HEATER							
										F.O. TO BURNERS	150	150	150	150	150	150	150
								F. O. BACK PRESSURE									
								AIR TO FURNACE	109/114	110/111	112/108	114/117	117/116	120/120	120/120		
								UPTAKE	300	285	285	288	300	290	290		
								MAIN STEAM	590	590	590	590	590	600	600		
								SUPER HEAT	450	450	450	450	450	450	450		
								F.O. TO BURNERS	115	110	115	120	110	100	100		
								F.O. TEMP. IN SETTLING TANKS	70	95	95	80	85	90	90		
								PORT BOILER UPTAKE									
								STBD. BOILER UPTAKE									
								ENGINE ROOM TEMPERATURE	85	83	87	89	91	95	95		
								FIRE ROOM TEMPERATURE									
								NOZZLES IN USE	14	14	14	14	14	14	14		
								NO. OF BURNERS IN USE	6	6	6	6	6	6	6		
								BURNER TIP SIZE	A	A	A	A	A	A	A		
								CO ₂ % PORT BOILER									
								CO ₂ % STBD. BOILER									
								OIL LEVEL MAIN SUMP	Norm	Norm	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	FUEL OIL	BOILER WATER	LUBE OIL	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	3	1200	450	590	8	132	110		62	700	700	METER AT NO. 1	230/4850				
	4	1200	450	590	10	131	113		52	750	750	METER PREVIOUS NO.	5050/2550				
												CONSUMED BY METER	14480				
												ON HAND AT START OF DAY	18541				
												RECEIVED DURING DAY					
												EXPENDED DURING DAY	345/338				
												REMAINING ON BOARD	16858				
1600 TO 2000	3	1200	450	590	8	132	110		61	700	700	ON HAND AT START OF DAY	892				
	4	1200	450	590	10	131	112		51	700	700	EVAPORATED OR RECEIVED	220				
												ON HAND	709				
												CONSUMED					
2000 TO 2400	3	1200	450	590	8	132	110		62	650	650	DOMESTIC WATER					
	4	1200	450	590	10	130	110		52	650	650	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
2400 TO 0400	3	1200	450	590	8	132	110		62	650	650	L.O. CENTRIFUGE - HOURS OPERATED					
	4	1200	450	590	10	135	122		52	650	650	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
												4	4	4.20	4.20	4.20	4
0400 TO 0800	3	1200	450	590	8	132	110		62	750	750	SUMMARY					
	4	1200	450	590	10	130	110		52	750	750	RUNNING TIME	151425				
												DETENTION TIME					
												TOTAL REVOLUTIONS	129890				
												AVERAGE R.P.M.	86.59				
0800 TO 1200	3	1200	450	600	8	132	110		62	700	700	TOTAL MILES BY ENGINE	481				
	4	1200	450	600	10	137	120		52	700	700	TOTAL MILES BY OBSERVATION	427				

REMARKS

1200-1600 WATCH

MACH. IN OP. #3 & 4 BL'S, GEN'S, F.D. FANS, COND, F.O., & Fd pumps.
 MN. & Aux. Circ. pumps & Air Eject's. MN. Air Comp., L.O., Fire, SANIT, & F.W. Pumps
 #4 ST'm F.W. Pump. — Switched from #3 & TO #2 P/S F.W. TX'S.
 ST'by @ 1515 Fire drill @ Secured @ Abandon Ship drill @ 1515 Secured @ 1532
 4 @ 1531

Switched TO OUT'bd sett. @ 1200

WATCH ENGR'S SIGNATURE.

A. Duncan

1600-2000 WATCH

MACH AS BEFORE GLANKED & CLEANED #3 BURNER & F.O. SUCT STRNR.
 BLOW TUBES #3 & 4 BLS.

WATCH ENGR'S SIGNATURE.

W. B. Seabury

2000-2400 WATCH

MACH. AS BEFORE EXCEPT - Htg. STM. SEC. @ 2200 - CHANGED & CLEANED #6 F.O.
 BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. -
 PUMPED BILGES - RETARDED CLOCK 20 MIN. @ 2300 -

WATCH ENGR'S SIGNATURE.

J. Seaton

2400-0400 WATCH

Switched F.W. SUCT. TO 3 P/S @ 0030

Retarded clocks 20 min. @ 0100

Comp. with Night & dept. orders, Routine Port watch.

0140 shaft bearing aft of Reefer flat running hot, changed oil & flushed, fire
 hose playing on shaft. Feels normal. 0200

Switched TO IN'bd sett. @ 0030

WATCH ENGR'S SIGNATURE.

A. Duncan

0400-0800 WATCH

MACH AS BEFORE GLANKED & CLEANED #3 BURNER & F.O. DISCH STRNRS.

COMPOUNDED #4 BLR & CONDENSATE

RETARDED CLOCK 20 mins @ 0500

PUT COOLING WATER ON #1 BURNING IN AFT CR. SHAFT

WATCH ENGR'S SIGNATURE.

W. B. Seabury

0800-1200 WATCH

MACH. AS BEFORE EXCEPT - CHANGED TO #3 & F.W. TX. @ 0800 - SEC. #3 P/S F.W. TXS.
 STM. TO #2 L.P. EVAP FROM AFT. F.R. - BLEW TUBES #3 & #4 BOILERS - CHANGED AND
 CLEANED #5 F.O. BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS
 #3 & #4 AUX. GEN. - PUMPED BILGES.

WATCH ENGR'S SIGNATURE.

J. Seaton

CHIEF ENGINEER

7-12-46 @ 0700

#3 #4

P 8.18 8.16

M 13.43 14.02

C/L 6.21 6.21

Bo. 40 40

SD, 23 33

Sum of res 125 - 228

CHIEF ENGR'S SIGNATURE.

M. E. Seaton

		WATCH								WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME		240	240	240	240	240	240	MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	125	125	127	126	126	126		
DETENTION TIME										FORWARD L. P. ROTOR BEARING	124	124	123	124	124	121		
REVOLUTION COUNTER (END OF WATCH)		6481 0590	6483 0730	6484 0930	6486 0360	6488 0940	6490 4640			AFT. L.P. ROTOR BEARING	125	125	126	125	125	123		
TOTAL REVOLUTIONS (FOR WATCH)		20330	20330	18800	18630	18580	17700			HOTTEST GEAR BEARING FORWARD	137	137	135	136	136	136		
AVERAGE RPM		84.7	84.8	78.3	77.6	77.4	73.8			HOTTEST GEAR BEARING AFT	132	132	131	128	128	129		
F.O. METER (END OF WATCH)		3320 1010	4440 2220	5450 3260	6420 4270	7420 5310	8320 6240			AUX. COND. CONDENSATE	112	112	109	109	110	112		
F.O. CONSUMED		2250	2330	2050	1980	2040	1830			1ST STAGE FEED WATER HEATER	137	137	119	120	122	117		
MACHINERY PARTICULARS		PRESSURES	THROTTLE	430	430	430	430			430	430	D. C. FEED WATER HEATER	237	237	237	238	238	238
			H.P. AHEAD	430	430	430	430			430	375	3RD STAGE FEED WATER HEATER						
			L.P. AHEAD	10.5	10.5	7	7.5			7.5	4	F.O. TO BURNERS	150	150	150	150	150	150
			VACUUM	29	29"	29"	29"	29"	29"	F. O. BACK PRESSURE								
			L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5	13.5	AIR TO FURNACE	122 122	122 121	120 118	120 120	121 122	121 120		
			AUX. STEAM	135	135	125	125	130	125	UPTAKE	290	290	295	295	298	280		
			BACK PRESSURE	10	10	10	10	10	10	MAIN STEAM	600	600	600	595	600	610		
			GLAND STEAM	-	-	1.0	1.0	1.0	1.0	SUPER HEAT	450	450	450	450	450	450		
			H.P. BLEEDER	70	70	-	-	-	-	F.O. TO BURNERS	105	105	160	165	175	150		
			I.P. BLEEDER	9	9	-	-	-	-	F.O. TEMP. IN SETTLING TANKS	75	80	90	80	80	90		
L.P. BLEEDER	20"	20"	-	-	-	-	PORT BOILER UPTAKE											
MACHINERY PARTICULARS		TEMPERATURES	STEAM AT THROTTLE	600	600	600	595	600	610	STBD. BOILER UPTAKE								
			L.P. EXHAUST	107	108	107	107	106	106	ENGINE ROOM TEMPERATURE	95	95	95	95	95	96		
			CONDENSATE	104	105	104	104	104	102	FIRE ROOM TEMPERATURE								
			CIRC. WATER IN	79	79	79	80	79	79	NOZZLES IN USE	14	14	Back	TT	Back	THROT.		
			CIRC. WATER OUT	92	93	92	92	90	92	NO. OF BURNERS IN USE	6	6	4	4	4	4		
			L.O. TO COOLERS	125	126	124	124	121	123	BURNER TIP SIZE	A	A	A	A	A	A		
			L.O. FROM COOLERS	110	110	110	111	110	110	CO ₂ % PORT BOILER								
			TEMPERATURE THRUST BEARING	112	112	114	114	112	113	CO ₂ % STBD. BOILER								
			FORWARD H.P. ROTOR BEARING	121	122	122	122	122	121	OIL LEVEL MAIN SUMP	Norm	Low	Norm.	Norm	Norm	Norm.		

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	BOILER WATER	LUBE OIL		
1200 TO 1600	3	1200		600	8	132	110		61	750	750	240	METER AT NOON	8320/6240		ON HAND AT START OF DAY		
	4	1200		600	10	137	124		52	800	800	240	METER PREVIOUS NOON	8230/9850		EVAPORATED OR RECEIVED		
													CONSUMED BY METER	12480		ON HAND		
1600 TO 2000	3	1200	450	600	8	132	110		61	750	750	240	ON HAND AT START OF DAY	16858		CONSUMED		
													RECEIVED DURING DAY			ON HAND AT START OF DAY		
													EXPENDED DURING DAY	297/328		RECEIVED		
	4	1200	450	600	10	137	124		51	750	750	240	REMAINING ON BOARD	16233		ON HAND		
													ON HAND AT START OF DAY	709		CONSUMED		
2000 TO 2400	3	1200	450	600	8	132	110		62	700	700	240	EVAPORATED OR RECEIVED	216	DIE 2000			
	4	1200	450	600	10	137	124		52	700	700	240	ON HAND	138				
													CONSUMED	287				
2400 TO 0400	3	1200	450	595	8	132	112		62	700	700	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
	4	1200	450	595	10	138	125		52	700	700	240	L.O. CENTRIFUGE - HOURS OPERATED					
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
0400 TO 0800	3	1200	450	600	8	132	110		62	750	750	240	4	4	4	4	4	4
	4	1200	450	600	10	138	127		52	750	750	240	SUMMARY					
													RUNNING TIME	244435	PERCENT OF SLIP			
0800 TO 1200													DETENTION TIME		BBL FUEL/MI			
	3	1200	450	610	8	132	110		62	700	700	240	TOTAL REVOLUTIONS	114380	WIND DIRECTION			
	4	1200	450	610	10	137	125		52	700	700	240	AVERAGE R.P.M.	79.43	STATE OF SEA			
													TOTAL MILES BY ENGINE	423	STATE OF WEATHER			
													TOTAL MILES BY OBSERVATION					

REMARKS

1200-1600 WATCH

MACH. in op. # 3 & 4 bl's, Gen's, Fd. FANS, COND., F.O., & Fd. Pumps. MH. & Aux. Air Eject's, & Circ's, MH. L.O., Fire, SAN'T, & F.W. Pumps, #4 STM F.W. Pump. Routine watch.

Switched TO OUT'bd sett. @ 1200

WATCH ENGR'S SIGNATURE-

A. Duncan

1600-2000 WATCH

MACH. AS BEFORE. BLEW TUBES #3 & 4. BURNERS GLANKED & CLEANED #3 BURNER & F.O. SUCT STRNR.

WATCH ENGR'S SIGNATURE-

W. B. [Signature]

2000-2400 WATCH

MACH. AS BEFORE EXCEPT - CHANGED F.W. SUCT. TO #2 P/S @ 2000 - REDUCED SPEED TO 78 R.P.M. @ 2000 B/O B - CLEANED #5 & #6 F.O. BURNERS & DISCH. STRAINERS. CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - PUMPED BILGES.

WATCH ENGR'S SIGNATURE-

J. Aaron

2400-0400 WATCH

Routine watch, Comp. with Night & dept. orders

WATCH ENGR'S SIGNATURE-

A. Duncan

0400-0800 WATCH

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

WATCH ENGR'S SIGNATURE-

W. B. [Signature]

0800-1200 WATCH

MACH. AS BEFORE EXCEPT - REDUCED SPEED TO 74 R.P.M. @ 0800 B/O B - CHANGED & CLEANED F.O. DISCH. STRAINERS - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - PUMPED BILGES.

WATCH ENGR'S SIGNATURE-

J. Aaron

CHIEF ENGINEER

4-13-66 @ 0700

#3 #4

P 8.16 8.74

M 14.02 14.02

GL 7.46 7.46

P 35 46

SC 46 37

STW 149-252

CHIEF ENGR'S SIGNATURE-

M. Johnson

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Pope		Pusan, Korea	Viet Nam	P-2	4/13/14

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	125	124	126	126	126
DETENTION TIME								FORWARD L. P. ROTOR BEARING	121	120	123	123	123
REVOLUTION COUNTER (END OF WATCH)	6492	6494	6495	6497	6499	6501		AFT. L. P. ROTOR BEARING	123	122	123	123	123
TOTAL REVOLUTIONS (FOR WATCH)	17580	17950	17940	17790	17690	17720		HOTTEST GEAR BEARING FORWARD	135	129	135	134	134
AVERAGE RPM	73.3	74.8	74.8	74.1	73.7	73.8		HOTTEST GEAR BEARING AFT	130	129	130	132	130
F.O. METER (END OF WATCH)	9210	40180	1130	2030	2960	3900		AUX. COND. CONDENSATE	114	114	112	112	110
F.O. CONSUMED	1830	1960	1910	1860	1890	1890		1ST STAGE FEED WATER HEATER	120	118	120	120	125
								D. C. FEED WATER HEATER	237	237	238	238	238
								3RD STAGE FEED WATER HEATER					
								F.O. TO BURNERS	150	150	150	150	150
							BOILER PARTICULARS	F. O. BACK PRESSURE					
THROTTLE	420	420	420	420	420	420		AIR TO FURNACE	122	122	120	120	120
H.P. AHEAD	390	395	400	385	390	390		UPTAKE	288	280	280	282	290
L.P. AHEAD	5	5.5	5.5	4.5	4.5	5		MAIN STEAM	605	605	605	605	600
VACUUM	29.0"	29"	29"	29"	29"	29"		SUPER HEAT	430	450	450	450	450
L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5	13.5		F.O. TO BURNERS	160	170	160	150	160
AUX. STEAM	125	125	125	120	125	125		F.O. TEMP. IN SETTLING TANKS	85	85	95	85	95
BACK PRESSURE	10	10	10	10	10	10		PORT BOILER UPTAKE					
GLAND STEAM	-	5	5	5	5	5		STBD. BOILER UPTAKE					
H.P. BLEEDER	-	-	-	-	-	-		ENGINE ROOM TEMPERATURE	98	97	97	97	97
L.P. BLEEDER	-	-	-	-	-	-		FIRE ROOM TEMPERATURE					
L.P. BLEEDER	-	-	-	-	-	-	MISCELLANEOUS	NOZZLES IN USE	-	Thru	Thru	-	Thru
STEAM AT THROTTLE	605	605	605	605	600	610		NO. OF BURNERS IN USE	4	4	4	4	4
L.P. EXHAUST	108	107	108	108	108	108		BURNER TIP SIZE	A	A	A	A	A
CONDENSATE	103	103	104	104	104	105		CO ₂ % PORT BOILER					
CIRC. WATER IN	80	80	81	82	82	83		CO ₂ % STBD. BOILER					
CIRC. WATER OUT	90	92	93	92	93	93		OIL LEVEL MAIN SUMP	Norm Norm Norm Norm Norm				
L.O. TO COOLERS	122	122	123	123	123	122							
L.O. FROM COOLERS	110	110	110	111	110	110							
TEMPERATURE THRUST BEARING	113	112	114	113	112	114							
FORWARD H.P. ROTOR BEARING	122	120	121	122	122	123							

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						
1200 TO 1600	3	1200	450	605	8	132	111		62	750	750	240	METER AT NOON	3900	ON HAND AT START OF DAY		
	4	1200	450	605	10	138	124		52	750	750	240	METER PREVIOUS NOON	8320	EVAPORATED OR RECEIVED		
													CONSUMED BY METER	11340	ON HAND		
													ON HAND AT START OF DAY	16233	CONSUMED		
													RECEIVED DURING DAY		ON HAND AT START OF DAY		
													EXPENDED DURING DAY	270/212	RECEIVED		
													REMAINING ON BOARD	16701	ON HAND		
1600 TO 2000	3	1200	450	605	8	132	110		62	700	700	240	ON HAND AT START OF DAY	638	CONSUMED		
	4	1200	450	605	10	138	125		52	700	700	240	EVAPORATED OR RECEIVED	185	ON HAND		
													ON HAND	520	CONSUMED		
													CONSUMED	253			
2000 TO 2400	3	1200	450	605	8	132	110		62	700	700	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)				
	4	1200	450	605	10	138	125		52	700	700	240	L.O. CENTRIFUGE - HOURS OPERATED				
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800
													4	4	4	4	4
2400 TO 0400	3	1200	450	605	8	133	112		62	650	650	240	SUMMARY				
	4	1200	450	605	10	138	125		52	700	700	240	RUNNING TIME	24417	PERCENT OF SLIP		
													DETENTION TIME		BBL FUEL/MI		
													TOTAL REVOLUTIONS	146670	WIND DIRECTION		
0400 TO 0800	3	1200	450	600	8	132	110		62	750	750	240	AVERAGE R.P.M.	74.07	STATE OF SEA		
	4	1200	450	600	10	138	127		52	750	750	240	TOTAL MILES BY ENGINE	395	STATE OF WEATHER		
													TOTAL MILES BY OBSERVATION				
0800 TO 1200	3	1200	450	610	8	132	110		62	700	700	240					
	4	1200	450	610	10	139	125		52	700	700	240					

REMARKS

1200-1600 WATCH

MACH. IN OP. #3 & 4 bl'r's, Gen's, Cond., F.O. & Fd pumps, F.D. FANS, M.N. & Aux. Circ's, & Air Eject's, M.N. L.O., Fire & F.W. pumps, #4 ST'm F.W. Pump M.N. Air Comp. Routine watch.

switched TO OUT'bd sett. @ 1200

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

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

CHANGED TO FORE-PEAK PWT SUCT @ 1800

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED F.O. DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 BOTTM J.B. AUX. GEN. - PUMPED BILGES.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Routine watch, mach. @ above, comp. with Night & Dept. orders

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

switched TO IN'bd sett. @ 0600
MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & F.O. DISCH STRNRS.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. AS BEFORE EXCEPT - PUT STBY. Fd. PUMP ON #3 BOILER @ 0830 - SEC. #3 M.N. Fd. PUMP FOR REPAIR - ROD ON CENTER PLUNGER CAME OFF - RON ON Fd. PLUNGER #4 M.N. Fd. PUMP LOOSE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED F.O. DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - CHANGED F.W. SUCT. TO #2 P/S @ 1045 - PUMPED BILGES - DRAINED L.O. SUMP #3 Fd. PUMP

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

4-14-66 @ 0100
#3 #4

P 8.76 8.76

M 12.85 12.85

OL 8.29 6.21

Pc 35 35

SO₂ 42 35

STW Hrs 173-276

CHIEF ENGR'S SIGNATURE-