

ENGINE ROOM LOG

GEARED TURBINE DRIVE



USNS

JOHN B. P. TAP 110

FROM MAR. 20 19 66 TO APR 24 19 66

INSTRUCTIONS

1. The entries in this book will be made neatly and legibly by the engineer or other person directly in charge of the machinery of the ship, and with pen and ink or idelible pencil. No erasures nor the removal of any pages will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or idelible pencil and writing in the correct data, followed by the initials of the person making the change. The greatest care shall be used in keeping the log book to insure absolute accuracy in all particulars.
2. All entries of time shall be made on the 24-hour basis, noon-to-noon.
3. Under the heading "REMARKS" a careful, detailed record of the events occurring daily in the engine department shall be entered in the log book, including violations of orders or regulations. Entries should be preceded by the time when pertaining to important tests, casualties, injuries, etc.
4. Entries regarding the following shall also be made when occurring:
 - (a) Repairs accomplished during watches.
 - (b) Faulty or erratic operation or failure of machinery.
 - (c) Any important changes in machinery of any nature or additions thereto.
 - (d) Remetalling of bearings; fitting new piston rings; reboring cylinders; renewing pump parts, metallic packing, important valves, propeller, shafting, stern bearing, zinc protection bars and rings outboard, strainers, etc.; details to be recorded in Machinery History.
 - (e) Pumping of bilges.
 - (f) Blowing of tubes (*not applicable to Diesel and Diesel Electric*).
 - (g) Examining holding down bolts.
 - (h) Fuel and water taken aboard. The fuel account shall be carefully kept and the quantity consumed each day accurately ascertained.
 - (i) Record of special tests, i.e., running idle pumps, reach rods to valves, hydrostatic.
 - (j) Derelictions or deficiencies developed on the part of any member of the engine department.
 - (k) Filtering and cleaning elements installed in fuel and lube oil lines.
5. In twin screw ships when the machinery for each propeller is in separate Engine rooms, two books shall be utilized and each book shall be properly marked to indicate to which Engine room machinery it applies. When both Engines of a twin screw ship are in the same Engine space, proper identification of operating machinery will be pre-printed on each page or hand written on each page prior to daily operations.
6. The log books shall be retained on board unless required temporarily by the administrative commander and destroyed when three years old.

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. POPE TAP 110	2-H	OKINAWA	SASEBO	P2 S2 R2	3-20/21-66

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	60					157	150				
DETENTION TIME								149	147				
REVOLUTION COUNTER (END OF WATCH)	7564 3040	65720	7564 4990					90	92		68	67	67
TOTAL REVOLUTIONS (FOR WATCH)	22600	22730						152	154				
AVERAGE RPM	94.2	94.7			77			240	240	240	240	240	240
F.O. METER (END OF WATCH)	5	2246360	47590	2248200	48390	48570	48790						
F.O. CONSUMED	2550	2530	1280	388	390	470							
PRESSURES	THROTTLE	450	450										
	H.P. AHEAD	435	435										
	L.P. AHEAD	18	19										
	VACUUM	29"	28.8		28.9	29.4	29.29						
	L.O. TO TURBINES	13	13		11.5	11.5	11.5						
	AUX. STEAM	150	150	150	70/150	70/150	150						
	BACK PRESSURE	9	9	9			9						
	GLAND STEAM		1.0	2	2.5	2.5	2.5						
	H.P. BLEEDER	70	70										
	I.P. BLEEDER	7	7										
	L.P. BLEEDER	11	12										
TEMPERATURES	STEAM AT THROTTLE	670	673										
	L. P. EXHAUST	95	97			140	87/132						
	CONDENSATE	90	92	5			67						
	CIRC. WATER IN	68	70	5	61	60	60						
	CIRC. WATER OUT	77	80	10	62	61	69						
	L.O. TO COOLERS	125	126										
	L.O. FROM COOLERS	106	108		110	110	110						
	TEMPERATURE THRUST BEARING	115	115										
	FORWARD H.P. ROTOR BEARING	117	119										
	AFT. H.P. ROTOR BEARING	135	135										
	FORWARD L.P. ROTOR BEARING	117	116										
	AFT. L.P. ROTOR BEARING	128	127										
MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD												
	HOTTEST GEAR BEARING AFT												
	AUX. COND. CONDENSATE												
	1ST STAGE FEED WATER HEATER												
	D. C. FEED WATER HEATER												
	3RD STAGE FEED WATER HEATER												
	SUPER HEAT	P	730	735			640	640	610				
		S	620	615			640	640	545				
	F.O. TO BURNERS		140	140	140	140	140	140	140				
	AIR TO FURNACE	P	116	114	107	118	116	117					
		S	116	114	107	118	116	117					
BOILER PARTICULARS (CONT'D)	F.O. TEMP. IN SETTLING TANKS	P	78	78	78	77	74	68					
		S	77	76	76	78	77	74					
	PORT BOILER UPTAKE		310	305			300	295	300				
	STBD. BOILER UPTAKE		250	255			265	275	260				
	F. O. BACK PRESSURE			15	12				16	15			
	MAIN STEAM		450	465			455	440	440				
	F.O. TO BURNERS		170	170			135	125	140				
	MAIN COND. SALINITY		0.41	0.41			0.41	0.41	0.41				
	ENGINE ROOM TEMPERATURE			70					70				
	FIRE ROOM TEMPERATURE		87										
	NOZZLES IN USE		16	16									
MISCELLANEOUS	NO. OF BURNERS IN USE	P	3	3	1	1	1	1					
		S	3	3	1	1	1	1					
	BURNER TIP SIZE	P	53-70	53 70	53 60	53 60	53 60	53 60	53 60				
		S	53-70	53 70	53 60	53 60	53 60	53 60	53 60				
	CO ₂ % PORT BOILER												
	CO ₂ % STBD. BOILER												
	OIL LEVEL MAIN SUMP		NORM	N	N	N	N	N	N				

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 PRE- VIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	ON HAND AT END OF DAY
1200 TO 1600	1	1200	450		9	117	110		62	1000	1000	240	7170		7000	6398	
	2	1200	450		7	135	121		72	1000	1000	240			150		
1600 TO 2000	1	1200	450	705	9	119	110		62	1000	1000	240					
	2	1200	450	705	7	132	120		72	1000	1000	240					
2000 TO 2400	1	1200	440		9	115	108		62	750	750	240					
	2	1200	440		7	128	116		72	750	750	240					
2400 TO 0400	1	1200	440		9	124	110		62	750	750	240					
	2	1200	440		7	131	119		72	750	750	240					
0400 TO 0800	1	1200	440		9	124	110		62	800	800	240					
	2	1200	440		7	131	119		72	800	800	240					
0800 TO 1200	1	1200	440		9	123	110		62	900	900	240					
	2	1200	440		7	132	120		72	900	900	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												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

UNDERWAY 16 NOZZLES - MACH 4 IN OPERATION - #1 & #2 BLKS & F.O. FANS - #1 & #2 D.C. GEN'S - M.N. & AUX CIRC. PUMPS - M.N. & AUX AIR EXTRACTORS - #1 & #2 F.O. SERVICE PUMPS & HTS. - #1 & #2 M.N. F.D. PUMPS - #1 & #2 M.N. COND. PUMPS - L.O. SERVICE PUMP - L.O. PURIFIER - AIR COMP - F.W. PUMP - PORT STEERING MOTOR / ROUTINE TESTS & INSPECTIONS -

H.P. L.P. END DAY ON

1600-2000 WATCH

AS BEFORE

BLEW TUBES P/S BOILERS:

WATCH ENGR'S SIGNATURE -

William W. Leggett

2000-2400 WATCH

Machinery as before, except; changed to Island Settles @ 2015 - S.B.E. @ 2030 - arrival @ 2100 #1 FOM-2248000 #2 FOM-5576300 CTR-75673200 - Dills on Port Bull Dock - F.W.E. @ 2301 #1 FOM-2248170 #2 FOM-5576480 CTR-75674970 - @ Doherty, South Japan - Sec. Stop & main unit on jacking gear - Bilges @ safe level -

WATCH ENGR'S SIGNATURE -

C. W. Frey

2400-0400 WATCH

MACHINERY AS BEFORE EXCEPT SECURED #1 M/COND PUMP

WATCH ENGR'S SIGNATURE -

M. F. F.

0400-0800 WATCH

OILER-WILLIAMS FWT-Young
SAME AS BEFORE

WATCH ENGR'S SIGNATURE -

William W. Leggett

0800-1200 WATCH

Normal plant operation
Reg. routine

WATCH ENGR'S SIGNATURE -

William W. Leggett

CHIEF ENGINEER

21	PORT	STAR
PA	1236	S
TH	1460	A
CH	331	M
PO	45	E
SO	52	
SH	2476	2456

WATCH ENGR'S SIGNATURE -

C. W. Frey

CHIEF ENGR'S SIGNATURE -

William W. Leggett

USNS		Gen John Pope		VOYAGE NO.		2		FROM		F.O. DOCK		TO		BASELCO JAPAN		TYPE OF VESSEL		DATE		3/20-22/66					
		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																									
DETENTION TIME																									
REVOLUTION COUNTER (END OF WATCH)																									
TOTAL REVOLUTIONS (FOR WATCH)																									
AVERAGE RPM																									
F.O. METER (END OF WATCH)		2249680 2250160 220670 2251286 31710																							
F.O. CONSUMED		540 480 510 538 510																							
PRESSURES		THROTTLE																							
		H.P. AHEAD																							
		L.P. AHEAD																							
		VACUUM										28.5" 28.5" 25.0 25.0 28													
		L.O. TO TURBINES										13 13													
		AUX. STEAM										150 150 20/50 20/50 150													
		BACK PRESSURE										9 9 9 9 9													
		GLAND STEAM																							
		H.P. BLEEDER																							
		I.P. BLEEDER																							
TEMPERATURES		STEAM AT THROTTLE																							
		L. P. EXHAUST										1378													
		CONDENSATE																							
		CIRC. WATER IN										59 60 60 60 60													
		CIRC. WATER OUT										72/78 74/78 70 77													
		L.O. TO COOLERS																							
		L.O. FROM COOLERS																							
		TEMPERATURE THRUST BEARING																							
		FORWARD H.P. ROTOR BEARING																							
		AFT. H.P. ROTOR BEARING																							
MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD																							
		HOTTEST GEAR BEARING AFT																							
		AUX. COND. CONDENSATE										67 67 27 100 701													
		1ST STAGE FEED WATER HEATER																							
		D. C. FEED WATER HEATER										240 240 240 240 240													
		3RD STAGE FEED WATER HEATER																							
		SUPER HEAT										P 575 575 575 575 555													
		F.O. TO BURNERS										S 140 140 140 140 140													
		AIR TO FURNACE										P 118 118													
		F.O. TEMP. IN SETTLING TANKS										P 68 68 68 68 70													
BOILER PARTICULARS		PORT BOILER UPTAKE										S 70 70 76 76 76													
		STBD. BOILER UPTAKE										235 235 235 235 210													
		F. O. BACK PRESSURE																							
		MAIN STEAM										450 450 450													
		F.O. TO BURNERS										240 240 250 250 230													
		AUX. COND. SALINITY										0.41 0.41 0.41													
		ENGINE ROOM TEMPERATURE																							
		FIRE ROOM TEMPERATURE																							
		NOZZLES IN USE																							
		NO. OF BURNERS IN USE										P 1 1 1 1 1													
MISCELLANEOUS		BURNER TIP SIZE										P 5370 5370 5370													
		CO ₂ % PORT BOILER																							
		CO ₂ % STBD. BOILER																							
		OIL LEVEL MAIN SUMP										N N ✓ ✓													
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																									
FUEL - WATER AND LUBE OIL		METER AT NOON																							
		METER PREVIOUS NOON																							
		CONSUMED BY METER										3110													
		ON HAND AT START OF DAY										6210													
		RECEIVED DURING DAY																							
		EXPENDED DURING DAY										74													
		REMAINING ON BOARD										6136													
		ON HAND AT START OF DAY																							
		EVAPORATED OR RECEIVED																							
		ON HAND										2000													
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

Machinery in operation: #1 & 2 BOILERS; F.O. FANS; FEED PUMPS; F.O. SERVICE PUMPS; F.O. HEATERS; MN. CONDENSE PUMPS and D.C. GEN'S. IN Parallel; L.O. SERVICE PUMP (ELECT); Purifier and F.W. PUMP; E.R. Clock synchro w/bridge & Teleg tested @ 1300; screw clearance from bridge @ 13:05; Jacking gear disengaged & pulling MN Unit @ 1320; STBY 1304; TACH 75675280 P-FOM 5577260 S-FOM 7748880 BELLS AS PER BELL BOOK; FWE 1514; TACH 75676320; P-FOM-5577530; S-FOM 774940 BLEW TUBES P/S Boilers: PORT BOILER SEC @ 1550

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Donkey Hatch - Pumped Eng. Spun Rigs

2000-2400 WATCH

Fitchstenders Oiler-Johnson F.P.L.P.-Buckett
as Before - Pumped Eng. Spun Rigs

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

Oiler-Johnson F.P.L.P.-Buckett
SAME AS before EXCEPT SECURED VACUUM ON MAIN UNIT.

WATCH ENGR'S SIGNATURE-

M. Fox

0400-0800 WATCH

Oiler-Williams F.W.T.-Young
SAME AS Above

WATCH ENGR'S SIGNATURE-

William W. Leggett

0800-1200 WATCH

REMARKS AS Above
JACKING GEAR & L.O. SYST. SECURED

WATCH ENGR'S SIGNATURE-

William W. Leggett

CHIEF ENGINEER

22	PORT	STBD
PA	S	
TA	C	
CH	R	
PO ⁴	E	
SO ³	D	
SH	2400	2400

WATCH ENGR'S SIGNATURE-

CW Fry

CHIEF ENGR'S SIGNATURE-

M. Fox

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
GEN. JOHN POPE		2								3/22-23/65	

		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					53130										
F.O. METER (END OF WATCH)		2130	2252	2252	2252	2233	4110								
F.O. CONSUMED		470	390	390	400	420	380								

		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
THROTTLE															
H.P. AHEAD															
L.P. AHEAD															
VACUUM		28	28.5	28.5	28.5	28.5	29								
L.O. TO TURBINES															
AUX. STEAM		150	150	150	150	150	150								
BACK PRESSURE		9	9	9	9	9	9								
GLAND STEAM															
H.P. BLEEDER															
I.P. BLEEDER															
L.P. BLEEDER															
STEAM AT THROTTLE															
L. P. EXHAUST		97.89	90.92	90.92			97.100								
CONDENSATE															
CIRC. WATER IN		60	60	60	60	60	60								
CIRC. WATER OUT		69.75	72.68	72.68	72.68	72.68	71.65								
L.O. TO COOLERS															
L.O. FROM COOLERS															
TEMPERATURE THRUST BEARING															
FORWARD H.P. ROTOR BEARING															
AFT. H.P. ROTOR BEARING															
FORWARD L.P. ROTOR BEARING															
AFT. L.P. ROTOR BEARING															

		WATCH								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
HOTTEST GEAR BEARING FORWARD															
HOTTEST GEAR BEARING AFT															
AUX. COND. CONDENSATE										94	85	86	88	88	85
1ST STAGE FEED WATER HEATER															
D. C. FEED WATER HEATER										240	240	240	240	240	240
3RD STAGE FEED WATER HEATER															
SUPER HEAT										P					
F.O. TO BURNERS										S	560	555	555	555	560
AIR TO FURNACE										P	140	140	140	140	140
F.O. TEMP. IN SETTLING TANKS										S					
PORT BOILER UPTAKE										P	70	70	70	70	70
STBD. BOILER UPTAKE										S	77	72	72	68	71
F. O. BACK PRESSURE															
MAIN STEAM															
F.O. TO BURNERS											180	180	180	180	190
AUX. COND. SALINITY											0.41		0.41		0.41
ENGINE ROOM TEMPERATURE															
FIRE ROOM TEMPERATURE															
NOZZLES IN USE															
NO. OF BURNERS IN USE										P					
BURNER TIP SIZE										S	1	1	1	1	1
CO ₂ % PORT BOILER										P					
CO ₂ % STBD. BOILER										S	63.70	53.70	53.70	53.70	53.70
OIL LEVEL MAIN SUMP															

		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
GENERATOR															
R.P.M.															
STEAM PRESSURE															
STEAM TEMP.															
L.O. PRESSURE															
L.O. TO COOLER															
L.O. FROM COOLER															
TEMP. OF HOTTEST BEARING															
L.O. GOVERNOR PRESSURE															
AMPS POSITIVE															
AMPS NEGATIVE															
VOLTS															
1200 TO 1600		1	1200	440	9	118	110	62	1000	1000	240				
1600 TO 2000		2	1200	440	7	132	120	72	1000	1000	240				
2000 TO 2400		1	1200	440	9	118	109	63	1000	1000	240				
2400 TO 0400		2	1200	440	7	128	118	72	1000	1000	240				
0400 TO 0800		1	1200	440	9	119	109	63	900	900	240				
0800 TO 1200		2	1200	440	7	138	118	72	900	900	240				
		1	1200	440	9		109	63	850	850	240				
		2	1200	440	7		118	72	850	850	240				
		1	1200	440	9		118	63	950	950	240				
		2	1200	440	7		118	72	950	950	240				
		1	1200	440	9		118	63	800	800	240				
		2	1200	440	7		130	72	800	800	240				

		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
METER AT NOON										24110					
METER PREVIOUS NOON										1710					
CONSUMED BY METER										2400					
ON HAND AT START OF DAY										6130					
RECEIVED DURING DAY										12953					
EXPENDED DURING DAY															
REMAINING ON BOARD										19840					
ON HAND AT START OF DAY															
EVAPORATED OR RECEIVED															
ON HAND															
CONSUMED															
ON HAND AT START OF DAY															
EVAPORATED OR RECEIVED															
ON HAND															
CONSUMED															
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EVAPORATED OR RECEIVED															
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ON HAND															
CONSUMED															
ON HAND AT START OF DAY															
EVAPORATED OR RECEIVED															
ON HAND															
CONSUMED															
ON HAND AT START OF DAY															

1200-1600 WATCH

MACH IN SERVICE #1 Boiler; F.O. PUMP + HEATER; Condste Pump
 1st DC GEN'S MN AIR COMPRESSOR
 Routine Watch - MAINTENANCE AS PER WORK BOOK

WATCH ENGR'S SIGNATURE-

C. W. Gray

1600-2000 WATCH

as before, except; changed & cleaned Generator Lube oil Strainers - Bumped
 Eng. Space Bilges

2000-2400 WATCH

Oiler - Johnson F.P.T. - Buckett

WATCH ENGR'S SIGNATURE-

M. Fox

as before - Bilges @ Safe Level

2400-0400 WATCH

Oiler - Johnson F.P.T. - Buckett

WATCH ENGR'S SIGNATURE-

M. Fox

#1 BOILER, F.O. Pump, Heater, Cond Pump and Air Comp in Service.
 #2 SANITARY Pump and #2 & FW Pumps.

0400-0800 WATCH

OILER WILLIAMS FAILED TO REPORT FOR DUTY

Oiler - Johnson FWT - Young

WATCH ENGR'S SIGNATURE-

William W. Leggett

SAME AS BEFORE

0800-1200 WATCH

Oiler - Johnson FWT - Young

WATCH ENGR'S SIGNATURE-

William W. Leggett

STBD INBD SEC. SETT IN SERV @ 0800:

MAINTENANCE AS PER WORK BOOK

Routine Watch

WATCH ENGR'S SIGNATURE-

C. W. Gray

CHIEF ENGINEER

23	PORT	STBD
PA		1826
TA		1460
CH		331
BOY		45
SOJ		52
SH	2470	2504

CHIEF ENGR'S SIGNATURE-

M. Fox

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
										8/23-24	

		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)			2254 840	2255 200	2258 340	2258 900	2256 260								
F.O. CONSUMED				360	340	360	360								

		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
THROTTLE															
H.P. AHEAD															
L.P. AHEAD															
VACUUM			28.5"	28.5"	28.5	28.5	28.5								
L.O. TO TURBINES															
AUX. STEAM			150	150	70/150	70/150	150								
BACK PRESSURE			9	9	9	9	9								
GLAND STEAM															
H.P. BLEEDER															
I.P. BLEEDER															
L.P. BLEEDER															
STEAM AT THROTTLE															
L. P. EXHAUST			98	98	88		95								
CONDENSATE															
CIRC. WATER IN			60	60	60	60	60								
CIRC. WATER OUT			74	68	70	70	69								
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										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		DIESEL OIL				
1200 TO 1600	1	1200	440			9	121	110		62	750	750	240	METER AT NOON		ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		CONSUMED BY METER		ON HAND		
	2	1200	440			8	120	120		72	750	750	240	METER PREVIOUS NOON		ON HAND		CONSUMED		ON HAND AT START OF DAY		RECEIVED		
1600 TO 2000	1	1200	440			9	121	110		62	750	750	240	CONSUMED BY METER		ON HAND		CONSUMED		EXPENDED DURING DAY		ON HAND AT START OF DAY		RECEIVED
	2	1200	440			8	130	120		73	750	750	240	REMAINING ON BOARD		ON HAND		CONSUMED		EXPENDED DURING DAY		ON HAND		RECEIVED
2000 TO 2400	1	1200	440			9	121	110		62	750	750	240	REMAINING ON BOARD		ON HAND		CONSUMED		REMAINING ON BOARD		ON HAND		RECEIVED
	2	1200	440			8	130	120		73	750	750	240	REMAINING ON BOARD		ON HAND		CONSUMED		REMAINING ON BOARD		ON HAND		RECEIVED
2400 TO 0400	1	1200	440			9	124	110		62	750	750	240	REMAINING ON BOARD		ON HAND		CONSUMED		REMAINING ON BOARD		ON HAND		RECEIVED
	2	1200	440			7	133	120		72	750	750	240	REMAINING ON BOARD		ON HAND		CONSUMED		REMAINING ON BOARD		ON HAND		RECEIVED
0400 TO 0800	1	1200	440			9	124	110		62	750	750	240	REMAINING ON BOARD		ON HAND		CONSUMED		REMAINING ON BOARD		ON HAND		RECEIVED
	2	1200	440			7	133	120		72	750	750	240	REMAINING ON BOARD		ON HAND		CONSUMED		REMAINING ON BOARD		ON HAND		RECEIVED
0800 TO 1200	1	1200	440			9	124	110		62	750	750	240	REMAINING ON BOARD		ON HAND		CONSUMED		REMAINING ON BOARD		ON HAND		RECEIVED
	2	1200	440			7	133	120		72	750	750	240	REMAINING ON BOARD		ON HAND		CONSUMED		REMAINING ON BOARD		ON HAND		RECEIVED

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

Machinery in operation

#1 Boiler; F.O. BLOWER; F.O. SERV. & F.O. PUMPS; M.V. CONDENSATE PUMP & M.V. AIR EJECTOR;

MAINTENANCE AS PER WORK BOOK

WATCH ENGR'S SIGNATURE-

Clifford

1600-2000 WATCH

Machinery as Before, Pumped Eng. Space Bilges -

Oiler - Clemmons

2000-2400 WATCH

F/O. D. Buckett Elect. - Bator

as Before, Pumped Eng. Space Bilges

WATCH ENGR'S SIGNATURE-

M. Fox

Oiler - Clemmons

2400-0400 WATCH

F/O. D. Buckett Elect. - Bator

Machinery as before

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

M. Fox

Oiler - Seggerman

0400-0800 WATCH

F.W.T. - Young Elect. - Powers

Machinery as before

ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

William W. Leggett

Oiler - Seggerman

0800-1200 WATCH

F.W.T. - Young Elect. - Powers

OPERATIONS AS BEFORE

10:15 TO 11:13 FIRE / EMERG DRILL, ABANDON SHIP & MAN OUBD DRILLS:

MAINT. AS PER WORK BOOK

WATCH ENGR'S SIGNATURE-

Clifford

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
					3-24-25/CG

		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)		6620	2257 010	2257 280	57 640	58 100	58470													
F.O. CONSUMED		360	390	370	360	370	370													
PRESSURES	THROTTLE							BOILER PARTICULARS		TEMPERATURES		HOTTEST GEAR BEARING FORWARD								
	H.P. AHEAD											HOTTEST GEAR BEARING AFT								
	L.P. AHEAD											AUX. COND. CONDENSATE		86	82	84	85	85	86	
	VACUUM	29	29"	29"	29.0	29.0	29					1ST STAGE FEED WATER HEATER								
	L.O. TO TURBINES											D. C. FEED WATER HEATER		240	240	240	240	240	240	
	AUX. STEAM	150	150	150	70/150	70/150	150					3RD STAGE FEED WATER HEATER								
	BACK PRESSURE	9	9	9	9	9	9					SUPER HEAT		P						
	GLAND STEAM											S		575	570	570	570	570	575	
	H.P. BLEEDER											F.O. TO BURNERS		140	140	140	140	140	140	
	I.P. BLEEDER											AIR TO FURNACE		P						
L.P. BLEEDER							S					95	95							
TEMPERATURES	STEAM AT THROTTLE							MISCELLANEOUS		PRESSURES		F.O. TEMP. IN SETTLING TANKS		P	71	72	70	72	72	63
	L. P. EXHAUST	4697	4848	48 100			94					S		78	74	72	76	76	64	
	CONDENSATE											PORT BOILER UPTAKE								
	CIRC. WATER IN	60	60	60	60	60	60					STBD. BOILER UPTAKE								
	CIRC. WATER OUT	71 78	72 69	72 68	71 66	71 66	71 67					F. O. BACK PRESSURE								
	L.O. TO COOLERS											MAIN STEAM		440	440	440	440	440	440	
	L.O. FROM COOLERS											F.O. TO BURNERS		170	170	160	160	160	160	
	TEMPERATURE THRUST BEARING											Aux MAIN COND. SALINITY		0.41			0.41		0.41	
	FORWARD H.P. ROTOR BEARING											ENGINE ROOM TEMPERATURE								
	AFT. H.P. ROTOR BEARING											FIRE ROOM TEMPERATURE								
FORWARD L.P. ROTOR BEARING							NOZZLES IN USE													
AFT. L.P. ROTOR BEARING							NO. OF BURNERS IN USE		P	+										
							S		1	1	1	1	1	1						
							P													
							S		5370	5370	5370	5370	5370	5370						
							CO ₂ % PORT BOILER													
							CO ₂ % STBD. BOILER													
							OIL LEVEL MAIN SUMP													

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	1	1200	440		9	123	110		62	800	800	240	METER AT NOON		ON HAND AT START OF DAY			
	2	1200	440		8	133	120		71	800	800	240	METER PREVIOUS NOON		EVAPORATED OR RECEIVED			
1600 TO 2000	1	1200	440		9	122	110		63	750	750	240	CONSUMED BY METER		ON HAND			
	2	1200	440		7	132	119		72	750	750	240	ON HAND AT START OF DAY		CONSUMED			
2000 TO 2400	1	1200	440		9	122	110		63	750	750	240	RECEIVED DURING DAY		ON HAND AT START OF DAY			
	2	1200	440		7	132	119		72	750	750	240	EXPENDED DURING DAY		RECEIVED			
2400 TO 0400	1	1200	440		9	122	110		63	750	750	240	REMAINING ON BOARD		ON HAND			
	2	1200	440		7	130	119		72	750	750	240	ON HAND AT START OF DAY		CONSUMED			
0400 TO 0800	1	1200	440		9	124	110		62	750	750	240	EVAPORATED OR RECEIVED		ON HAND			
	2	1200	440		7.6	132	120		72	750	750	240	ON HAND		RECEIVED			
0800 TO 1200	1	1200	440		9	123	110		62	800	800	240	CONSUMED		CONSUMED			
	2	1200	440		7	131	120		72	800	800	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						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

EQUIPMENT IN SERVICE #1 BOILER; F.O. FAN; MN. FEED PUMP;
F.O. PUMP + HEATER; CONDENSATE PUMP & MN & AUX CIRCULATOR PUMPS
MAINT AS PER WORK BOOK - ROUTINE WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Machinery as before, Pumped Eng. Space Bilges

Oiler-Johnson F.H.T-Buckett
2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

As before. Excess, changed & cleaned Generator Lube oil Strainers -
Pumped Eng. Space Bilges -

2400-0400 WATCH

Oiler-Johnson F.H.T-Buckett Electrician - Brooks

WATCH ENGR'S SIGNATURE-

MACHINERY AS before. CLEANED L.O. STRAINER ON #2 Feed Pump.
Held E-17 CAUSALY DRILL - WATCH PERSONNEL PRESENT.

0400-0800 WATCH

Oiler-Seggerman FWT-Young ELECT-BROOKS

WATCH ENGR'S SIGNATURE-

MACHINERY AS before - ROUTINE WATCH

0800-1200 WATCH

Oiler-Seggerman FWT-Young ELECT-BROOKS

WATCH ENGR'S SIGNATURE-

ROUTINE WATCH
MAINT AS per work book
Filled P/S F.O. SETT

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

75 PORT STON

PA	19.10
TA	14.66
CH	2.49
PO ⁴	35
SO ³	42
SH	2476 25.52

CHIEF ENGR'S SIGNATURE-

USNS General John Pope - 320-110 VOYAGE NO. 2 FROM at Saigo JAPAN TO TYPE OF VESSEL Pr Sub DATE 3/25-26/66

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							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													
PRESSURES							TEMPERATURES (CONT'D)						
THROTTLE							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							MAIN COND. SALINITY						
L.P. BLEEDER							ENGINE ROOM TEMPERATURE						
STEAM AT THROTTLE							FIRE ROOM TEMPERATURE						
L. P. EXHAUST							NOZZLES IN USE						
CONDENSATE							NO. OF BURNERS IN USE						
CIRC. WATER IN							BURNER TIP SIZE						
CIRC. WATER OUT							CO. % PORT BOILER						
L.O. TO COOLERS							CO. % STBD. BOILER						
L.O. FROM COOLERS							OIL LEVEL MAIN SUMP						
TEMPERATURE THRUST BEARING													
FORWARD H.P. ROTOR BEARING													
AFT. H.P. ROTOR BEARING													
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	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED	CONSUMED
1200 TO 1600	1	1200	440		9	120	110		62	750	750	240														
	2	1200	440		7	130	120		72	750	750	240														
1600 TO 2000	1	1200	440		9	120	110		62	750	750	240														
	2	1200	440		7	130	119		72	750	750	240														
2000 TO 2400	1	1200	440		9	119	110		62	750	750	240														
	2	1200	440		7	129	118		72	750	750	240														
2400 TO 0400	1	1200	440		9	124	110		62	850	850	240														
	2	1200	440		7.6	132	120		72	850	850	240														
0400 TO 0800	1	1200	440		9	124	110		62	900	900	240														
	2	1200	440		7.6	132	120		72	900	900	240														
0800 TO 1200	1	1200	440		9	121	110		62	750	750	240														
	2	1200	440		8	130	119		71	750	750	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	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

EQUIPMENT IN SERVICE #1 Boiler, F.D. FAN, F.O. & FEED PUMPS, MW COORDINATE,
~~MAIN~~ CIRCULATOR, #1 & 2 DC GENS.
 TEST OPERATED EMERGENCY GEN 1330-1400:

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Machinery as Before; Bilge @ Safe Level

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

as Before, except; changed & cleaned Generator Lube oil Strainers -
 Held Eng. Casualty Drill E-17 2100-2120 - 4 men Present - Bridge Notified.
 Pumped Eng. Space Bilge -

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACHINERY AS BEFORE

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

Oiler-Seggerman FWT-Young ELECT-Porter REFER-Bentel
 MACHINERY AS BEFORE

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

AS ABOVE

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

Oiler-DIERS / FWT-BARBER / ELECT-~~LEVINER~~ / ~~MCINTYRE~~

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)	HOTTEST GEAR BEARING FORWARD								
DETENTION TIME								HOTTEST GEAR BEARING AFT								
REVOLUTION COUNTER (END OF WATCH)								AUX. COND. CONDENSATE		84	84	84	86	86	86	
TOTAL REVOLUTIONS (FOR WATCH)								1ST STAGE FEED WATER HEATER								
AVERAGE RPM								D. C. FEED WATER HEATER		240	242	240	240	240	240	
F.O. METER (END OF WATCH)								3RD STAGE FEED WATER HEATER								
F.O. CONSUMED																
PRESSURES	THROTTLE						BOILER PARTICULARS TEMPERATURES	SUPER HEAT		P						
	H.P. AHEAD							S		565	555	550	585	585	575	
	L.P. AHEAD							F.O. TO BURNERS		140	140		140	140	140	
	VACUUM							AIR TO FURNACE		P						
	L.O. TO TURBINES							S								
	AUX. STEAM							F.O. TEMP. IN SETTLING TANKS		P	66	64	64	66	66	67
	BACK PRESSURE							S		67	66	66	78	78	68	
	GLAND STEAM							PORT BOILER UPTAKE								
	H.P. BLEEDER							STBD. BOILER UPTAKE		205	215	225			220	
	I.P. BLEEDER							F. O. BACK PRESSURE								
TEMPERATURES	L.P. BLEEDER						MISCELLANEOUS	MAIN STEAM		440	440		440	440	440	
	STEAM AT THROTTLE							F.O. TO BURNERS		160	160	160	160	160	160	
	L. P. EXHAUST							AUX. MAIN COND. SALINITY		0.41			0.41		0.41	
	CONDENSATE							ENGINE ROOM TEMPERATURE								
	CIRC. WATER IN							FIRE ROOM TEMPERATURE								
	CIRC. WATER OUT							NOZZLES IN USE								
	L.O. TO COOLERS							NO. OF BURNERS IN USE		P						
	L.O. FROM COOLERS							S		1	1	1	1	1	1	
	TEMPERATURE THRUST BEARING							BURNER TIP SIZE		P						
	FORWARD H.P. ROTOR BEARING							S		5370	5370	5370	5370	5370	5370	
AFT. H.P. ROTOR BEARING						CO ₂ % PORT BOILER										
FORWARD L.P. ROTOR BEARING						CO ₂ % STBD. BOILER										
AFT. L.P. ROTOR BEARING						OIL LEVEL MAIN SUMP										

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	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	1	1200	440		121	110		62	800	800	240	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	ON HAND AT START OF DAY	RECEIVED	ON HAND
	2	1200	440		131	119		71	800	800	240	ON HAND	CONSUMED		ON HAND AT START OF DAY	RECEIVED	ON HAND
1600 TO 2000	1	1200	440		9	119	109	62	750	750	240	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED
	2	1200	440		7	129	118	72	750	750	240	ON HAND	CONSUMED		ON HAND	RECEIVED	ON HAND
2000 TO 2400	1	1200	440		9	119	109	62	750	750	240	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED
	2	1200	440		7	129	118	72	750	750	240	ON HAND	CONSUMED		ON HAND	RECEIVED	ON HAND
2400 TO 0400	1	1200	440		9	121	110	62	850	850	240	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED
	2	1200	440		7.6	131	120	72	850	850	240	ON HAND	CONSUMED		ON HAND	RECEIVED	ON HAND
0400 TO 0800	1	1200	440		9	121	110	62	850	850	240	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED
	2	1200	440		7.6	131	120	72	850	850	240	ON HAND	CONSUMED		ON HAND	RECEIVED	ON HAND
0800 TO 1200	1	1200	440		9	123	110	62	850	850	240	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND	RECEIVED
	2	1200	440		7	132	120	72	850	850	240	ON HAND	CONSUMED		ON HAND	RECEIVED	ON HAND
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																	
L.O. CENTRIFUGE - HOURS OPERATED																	
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

Machinery in service: #1 Boiler, F.O. Fan, F.O. & F.D. Pumps,
M/V & DOSTE Pump & Act Circ. #1 & 2 D.C. Gens:

Oiler - DIERS / FWT - BARBER / ELECT. - ~~LEVINER~~ ~~LEVINER~~

WATCH ENGR'S SIGNATURE -

1600-2000 WATCH

Machinery as before, Bilges @ Safe Level

Oiler - Johnson F./H.S. - Buckett

Electrician - Leviner Refer -

WATCH ENGR'S SIGNATURE -

2000-2400 WATCH

As before, except; changed & cleaned Generator Lube Oil Strainers -
Pumped Eng. Space Bilges -

Oiler - Johnson F./H.S. - Buckett

Electrician - Leviner Refer -

WATCH ENGR'S SIGNATURE -

2400-0400 WATCH

Machinery as before

Oiler - Seggerman FWT - Young Elect. - Leviner Refer

WATCH ENGR'S SIGNATURE -

0400-0800 WATCH

Machinery as before

Oiler - Seggerman FWT - Young Elect. - Leviner Refer

WATCH ENGR'S SIGNATURE -

0800-1200 WATCH

AS ABOVE

OILER - DIERS / FWT - BARBER / ELECT. - Jenkins

WATCH ENGR'S SIGNATURE -

CHIEF ENGINEER

27	PORT	STBD
PA		10.51
TA		1343
CH		2.49
PO ⁴		35
SO ³		40
SH	2476	2600

CHIEF ENGR'S SIGNATURE -

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
					3/27-28/66

		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																
DETENTION TIME																
REVOLUTION COUNTER (END OF WATCH)																
TOTAL REVOLUTIONS (FOR WATCH)																
AVERAGE RPM																
F.O. METER (END OF WATCH)		3280	2263 650	2264 010	2264 388	2264 730	64730									
F.O. CONSUMED		370	370	360	350	370	400									
PRESSURES	THROTTLE															
	H.P. AHEAD															
	L.P. AHEAD															
	VACUUM	29"	29"	29"	29.0	29.0	29"									
	L.O. TO TURBINES															
	AUX. STEAM	150	150	150	150	150	150									
	BACK PRESSURE	9	9	9	9	9	9									
	GLAND STEAM															
	H.P. BLEEDER															
	I.P. BLEEDER															
L.P. BLEEDER																
TEMPERATURES	STEAM AT THROTTLE															
	L. P. EXHAUST	95	96 100	96 100			94									
	CONDENSATE															
	CIRC. WATER IN	60	60	60	60	60	60									
	CIRC. WATER OUT	71 67	71 67	71 67	71 66	71 66	71 66									
	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																
MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD														
		HOTTEST GEAR BEARING AFT														
		AUX. COND. CONDENSATE		84	84	84	86	86	85							
		1ST STAGE FEED WATER HEATER														
		D. C. FEED WATER HEATER		240	240	240	240	240	240							
		3RD STAGE FEED WATER HEATER														
		BOILER PARTICULARS		SUPER HEAT		P										
						S	575	570	565	580	580	575				
				F.O. TO BURNERS			140	140	140	140	140	140				
				AIR TO FURNACE		P										
				S												
F.O. TEMP. IN SETTLING TANKS				P	67	68	66	68	68	63						
				S	69	68	68	72	72	69						
PORT BOILER UPTAKE																
STBD. BOILER UPTAKE					215	215	215	220	220	220						
F. O. BACK PRESSURE																
PRESSURES		MAIN STEAM			440	440	440	440	440	440						
		F.O. TO BURNERS			160	160	160	160	170	150						
		AUX. MAIN COND. SALINITY			0.41			0.41		0.41						
		ENGINE ROOM TEMPERATURE														
		FIRE ROOM TEMPERATURE														
		NOZZLES IN USE														
		NO. OF BURNERS IN USE		P												
				S	1	1	1	1	1	1						
				P												
		BURNER TIP SIZE		S	53 70	53 70	53 70	53 70	53 70	53 70						
CO ₂ % PORT BOILER																
CO ₂ % STBD. BOILER																
OIL LEVEL MAIN SUMP																

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		DIESEL OIL					
1200 TO 1600	1	1200	440		9	123	110		62	800	800	240	METER AT NOON		ON HAND AT START OF DAY		RECEIVED DURING DAY		ON HAND AT START OF DAY					
	2	1200	440		8	132	128		72	800	800	240	METER PREVIOUS NOON		EVAPORATED OR RECEIVED		EXPENDED DURING DAY		RECEIVED					
1600 TO 2000	1	1200	440		9	118	109		62	800	800	240	CONSUMED BY METER		ON HAND		REMAINING ON BOARD		ON HAND					
	2	1200	440		7	130	119		72	800	800	240	ON HAND AT START OF DAY		CONSUMED		ON HAND AT START OF DAY		CONSUMED					
2000 TO 2400	1	1200	440		9	119	110		62	800	800	240	EVAPORATED OR RECEIVED		ON HAND		ON HAND AT START OF DAY		ON HAND					
	2	1200	440		7	129	118		71	800	800	240	ON HAND		RECEIVED		ON HAND AT START OF DAY		RECEIVED					
2400 TO 0400	1	1200	440		9	122	110		62	800	800	240	CONSUMED		CONSUMED		ON HAND AT START OF DAY		ON HAND					
	2	1200	440		7.6	132	120		72	800	800	240	ON HAND AT START OF DAY		ON HAND		ON HAND AT START OF DAY		ON HAND					
0400 TO 0800	1	1200	440		9	122	110		62	900	900	240	ON HAND AT START OF DAY		ON HAND		ON HAND AT START OF DAY		ON HAND					
	2	1200	440		7.6	132	120		72	900	900	240	ON HAND AT START OF DAY		ON HAND		ON HAND AT START OF DAY		ON HAND					
0800 TO 1200	1	1200	440		9	122	110		62	850	850	240	ON HAND AT START OF DAY		ON HAND		ON HAND AT START OF DAY		ON HAND					
	2	1200	440		7.6	131	120		71	850	850	240	ON HAND AT START OF DAY		ON HAND		ON HAND AT START OF DAY		ON HAND					

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		

1200-1600 WATCH

MACHINERY IN SERVICE
 #1 BOILER, F.D. FAN, F.D. PUMP.
 F.O. & MN CONDSTE PUMP'S
 AUX CIRC. & F.W. PUMP'S
 #1 & 2 D.C. GEN'S.

F.O. SETT IN BD.

DIERS/BARBER/JENKINS

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Machinery as before, Bilges @ Safe Level

Oiler-Johnson F.P.D.-Buckett Electrician-Jenkins Refer-

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

as before, except; changed & cleaned Generator Tube oil Strainers -
 changed & cleaned Fuel oil Suction Strainers - Rumped Eng. Spaces
 Bilges - Main Tube oil Pump found running in aft. eng. Room, Electrician De-
 energized @ Switchbox when it was shorted.

Oiler-Johnson F.P.D.-Buckett Electrician-Jenkins Refer-

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACHINERY AS BEFORE

Oiler-Seggerman FWT-Young Elect.-Jenkins Refer-Gentel

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE

Oiler-Seggerman FWT-Young Elect.-Jenkins Refer-Gentel

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACHINERY AS BEFORE.

MAINT. AS PER WORK BOOK

OILER-DIERS, F.W.T.-BARBER, ELECT.-LEVINER

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
					3/28-29/66

		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																		
DETENTION TIME																		
REVOLUTION COUNTER (END OF WATCH)																		
TOTAL REVOLUTIONS (FOR WATCH)																		
AVERAGE RPM																		
F.O. METER (END OF WATCH)			2265 860	2266 220	2266 370	669 40												
F.O. CONSUMED				360	350	370												
PRESSURES	THROTTLE																	
	H.P. AHEAD																	
	L.P. AHEAD																	
	VACUUM	29"	29"	29"	29.0	29.0	29"											
	L.O. TO TURBINES																	
	AUX. STEAM	150	150	150	150	150	150											
	BACK PRESSURE	9	9	9	9	9	9											
	GLAND STEAM																	
	H.P. BLEEDER																	
	I.P. BLEEDER																	
L.P. BLEEDER																		
TEMPERATURES	STEAM AT THROTTLE																	
	L. P. EXHAUST	95 99	96 98	92 95			92 94											
	CONDENSATE																	
	CIRC. WATER IN	60	60	60	60	60	60											
	CIRC. WATER OUT	70 67	72 69	72 66	71 66	71 66	72 67											
	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																		
MACH. PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD														
				HOTTEST GEAR BEARING AFT														
				AUX. COND. CONDENSATE	87	85	84	85	85	87								
				1ST STAGE FEED WATER HEATER														
				D. C. FEED WATER HEATER	240	240	240	240	240	240								
				3RD STAGE FEED WATER HEATER														
				PRESSURES		TEMPERATURES		SUPER HEAT	P									
								S	550	550	550	580	580	575				
								F.O. TO BURNERS	140	140	140	140	140	140				
								AIR TO FURNACE	P									
S																		
F.O. TEMP. IN SETTLING TANKS	P	62	62					62	62	62	64							
S	68	68	68					70	70	67								
PORT BOILER UPTAKE																		
STBD. BOILER UPTAKE	220	220	220					225	225	220								
PRESSURES		TEMPERATURES						F. O. BACK PRESSURE										
				MAIN STEAM	440	440	440	440	440	440								
				F.O. TO BURNERS	180	180	180	170	170	170								
				AUX -MAIN COND. SALINITY	0.41			0.41		0.41								
				ENGINE ROOM TEMPERATURE														
				FIRE ROOM TEMPERATURE														
				NOZZLES IN USE														
				NO. OF BURNERS IN USE	P													
				S	1	1	1	1	1	1								
				MISCELLANEOUS		TEMPERATURES		BURNER TIP SIZE	P									
S	53/70	53/70	53/70					53/70	53/70	53/70								
CO ₂ % PORT BOILER																		
CO ₂ % STBD. BOILER																		
OIL LEVEL MAIN SUMP																		
MISCELLANEOUS		TEMPERATURES																

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		DIESEL OIL			
1200 TO 1600	1	1200	440		9	119	110		62	850	850	240	METER AT NOON			ON HAND AT START OF DAY						
													METER PREVIOUS NOON			EVAPORATED OR RECEIVED						
1600 TO 2000	2	1200	440		7.6	131	120		71	850	850	240	CONSUMED BY METER			ON HAND						
	1	1200	440		9	118	109		62	800	800	240	ON HAND AT START OF DAY			CONSUMED						
													RECEIVED DURING DAY			ON HAND AT START OF DAY						
													EXPENDED DURING DAY			RECEIVED						
2000 TO 2400													REMAINING ON BOARD			ON HAND						
	1	1200	440		9	119	110		62	750	750	240	ON HAND AT START OF DAY			CONSUMED						
													EVAPORATED OR RECEIVED			ON HAND						
	2	1200	440		7	130	119		72	800	800	240	ON HAND			RECEIVED						
2400 TO 0400													CONSUMED			CONSUMED						
	1	1200	440		9	119	110		62	750	750	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)									
													L.O. CENTRIFUGE - HOURS OPERATED									
	2	1200	440		7	129	118		72	750	750	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200				
0400 TO 0800	1	1200	440		9	121	110		62	800	800	240										
	2	1200	440		7.6	131	120		72	800	800	240	SUMMARY									
													RUNNING TIME			PROPELLER SLIP (%)						
0800 TO 1200	1	1200	440		9	121	110		62			240	DETENTION TIME			BBL FUEL/MI						
													TOTAL REVOLUTIONS			WIND DIRECTION						
	2	1200	440		7.6	131	120		72	800	800	240	AVERAGE R.P.M.			STATE OF SEA						
	1	1200	440		9	118	110		62	800	850	240	TOTAL MILES BY ENGINE			STATE OF WEATHER						
													TOTAL MILES BY OBSERVATION									
	2	1200	440		7.6	131	120		71	850	850	240										

1200-1600 WATCH

MACHINERY IN SERVICE

#1 BOILER, F.D. FAN, F.D. PUMP.

F.O. + M.N. CONDSTE PUMPS.

AUX. CIRC. + F.W. PUMPS.

#1 + #2 D.C. GEN.

OILER - DIERS, F.W.T. - BARBER, ELECT. - LEVINER

WATCH ENGR'S SIGNATURE -

C. W. Frey

1600-2000 WATCH

Machinery as Before, Bilges @ Safe Level

2000-2400 WATCH

Oiler - Johnson F.W.T. - Puckett Electrician - Brooks Refer -

WATCH ENGR'S SIGNATURE -

*M. Fox*As Before, except: changed & cleaned Separator Lubric oil Strainer -
Pumped Machinery Space Bilges -

2400-0400 WATCH

Oiler - Johnson F.W.T. - Puckett Electrician - Brooks Refer -

WATCH ENGR'S SIGNATURE -

M. Fox

Machinery as before

OILER - SEGGERMAN F.W.T. - YOUNG ELECT. - BROOKS REFER - CENTEL

WATCH ENGR'S SIGNATURE -

William W. Leggett

0400-0800 WATCH

Machinery as before except SALINITY ALARM NOT OPERATING properly.
Complied with Night and Standing orders.

OILER - SEGGERMAN F.W.T. - YOUNG ELECT. - BROOKS REFER - CENTEL

WATCH ENGR'S SIGNATURE -

William W. Leggett

0800-1200 WATCH

MACHINERY AS BEFORE.

MAINT. AS PER WORK BOOK.

OILER - DIERS, F.W.T. - BARBER, ELECT. -

WATCH ENGR'S SIGNATURE -

C. W. Frey

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE -