

	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						
DETENTION TIME												
REVOLUTION COUNTER (END OF WATCH)	5568 9580	5569 8520	5570 8820	5571 8460	5572 4610	5573 2920						
TOTAL REVOLUTIONS (FOR WATCH)	9630	8910	8295	8640	9150	8310						
AVERAGE RPM	40.1	37.3	34.6	36	38.1	34.6						
P-1667730 S-5722047 (END OF WATCH)	7730 2170	8230 0730	8650 1250	9110 1730	9680 2260	70130 2740						
F.O. CONSUMED	1830	1060	940	1400	1100	930						
PRESSURES	THROTTLE	420	420	420	420	420						
	H.P. AHEAD	140	70	10	20	80	VAR.					
	L.P. AHEAD	-	18"	9"	11"	18"	VAR.					
	VACUUM	29"	29.5"	29.5"	29"	29.5"	29.5"					
	L.O. TO TURBINES	12	12	13	13	13	13					
	AUX. STEAM	150	150	150	150	150	150					
	BACK PRESSURE	10	11	11	11	11	11					
	GLAND STEAM	1.5	1.5	1.0	1.0	1.0	1.0					
	H.P. BLEEDER	-	-	-	-	-	-					
	L.P. BLEEDER	-	-	-	-	-	-					
TEMPERATURES	STEAM AT THROTTLE	-	-	-	-	530						
	L. P. EXHAUST	120	95	131	121	90	117					
	CONDENSATE	154	99	96	96	100	93					
	CIRC. WATER IN	76	76	76	76	75	76					
	CIRC. WATER OUT	80	84	82	82	85	80					
	L.O. TO COOLERS	118	118	119	110	118	116					
	L.O. FROM COOLERS	110	110	111	110	110	109					
	TEMPERATURE THRUST BEARING	110	110	112	112	110	108					
	FORWARD H.P. ROTOR BEARING	115	117	117	117	116	114					
	AFT. H.P. ROTOR BEARING	121	124	126	126	126	128					
TEMPERATURES	FORWARD L.P. ROTOR BEARING	113	112	112	112	114	112					
	AFT. L.P. ROTOR BEARING	130	118	118	113	117	118					
TEMPERATURES	HOTTEST GEAR BEARING FORWARD	116	114	112	112	113	112					
	HOTTEST GEAR BEARING AFT	116	115	120	120	115	122					
	AUX. COND. CONDENSATE	112	112	112	112	112	112					
	1ST STAGE FEED WATER HEATER	112	112	106	106	109	108					
	D. C. FEED WATER HEATER	237	236	238	238	238	238					
	3RD STAGE FEED WATER HEATER											
	SUPER HEAT	P	-	-	-	-	530					
	S	-	-	-	-	-	530					
	F.O. TO BURNERS	155	150	150	150	150	150					
	AIR TO FURNACE	P	106	106	106	105	108					
PRESSURES	S	110	104	105	105	103	105					
	F.O. TEMP. IN SETTLING TANKS	P	95	95	95	95	95					
	S	90	90	90	90	95	95					
	PORT BOILER UPTAKE											
	STBD. BOILER UPTAKE											
	F. O. BACK PRESSURE											
	MAIN STEAM	450	450	450	450	450	450					
	F.O. TO BURNERS	190	190	170	170	160	160					
	MAIN COND. SALINITY	41	41	41	41	41	41					
	ENGINE ROOM TEMPERATURE	90	90	90	90	87	89					
TEMPERATURES	FIRE ROOM TEMPERATURE											
	NOZZLES IN USE	Throttle	Throttle	Throttle	Throttle	Throttle	Throttle					
	NO. OF BURNERS IN USE	P	1	1	1	1	1					
	S	1	1	1	1	1	1					
	BURNER TIP SIZE	P	A	A	A	A	A					
	S	A	A	A	A	A	A					
	CO. & PORT BOILER											
	CO. & STBD. BOILER											
	OIL LEVEL MAIN SUMP	Normal	Normal	Normal	Normal	Normal	Normal					

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	METER AT NOON	METER PRE- VIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY
1200 TO 1600	3	1200	440		8	130	107		70	1000	1000	240	70130	7250		ON HAND AT START OF DAY
	4	1200	440		7	135	125		48	1000	1000	240	2740	9620		EVAPORATED OR RECEIVED
1600 TO 2000	3	1200	450		8	130	108		70	1100	1100	240	12888			ON HAND
	4	1200	450		7	140	125		48	1100	1100	240				CONSUMED
2000 TO 2400	3	1200	450		8	130	109		70	1000	1000	240				ON HAND AT START OF DAY
	4	1200	450		7	140	125		48	1000	1000	240	160	1134		RECEIVED
2400 TO 0400	3	1200	450		8	130	109		70	1000	1000	240	125	94		ON HAND
	4	1200	450		7	140	125		48	1000	1000	240				CONSUMED
0400 TO 0800	3	1200	450		8	130	108		70	1000	1000	240				ON HAND
	4	1200	450		7	140	126		48	1000	1000	240				RECEIVED
0800 TO 1200	3	1200	450	530	8	130	108		70	1000	1000	240				ON HAND
	4	1200	450	530	7	140	125		48	1000	1000	240				RECEIVED
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

Underway on throttle 45 RPM, maneuvering as to see bell book
 Cleaned F.O. discharge & suction strainers at Boiler. Main water opinion check
 #3 & 4 boiler & #3 & 4 Turbine. Comp. #3 & 4 pump, #4 Steam F.O. pump
 #2 Sanitary pump #2 Fire pump. 1505 Increased speed to 50 RPM Phone

PER (P-1667730) (S-5720170)

WATCH ENGR'S SIGNATURE-

N. O. Hopping

1600-2000 WATCH

MACH AS BEFORE. SHOWED TO 70 RPM @ 1600 13/15. BLEW TUBES #3 & 4 BOILERS
 MAKE-UP EVAP ON PET W. SLOWED TO 30 RPM @ 1846 13/15
 CHANGED HOT OIL STRNRS #3 & 4 & 6 BURNERS

WATCH ENGR'S SIGNATURE-

L. B. Simpson

2000-2400 WATCH

MACH. AS BEFORE - 35 R.P.M. - CHANGED + CLEANED F.O. SUCT. & #4 DISCH. STRAINERS -
 CHANGED + CLEANED H.O. STRAINERS #3 & #4 AUX. GEN. - COMPLIED WITH STANDING + NIGHT
 ORDERS - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

J. Sharon

2400-0400 WATCH

Much action in maneuvering as to bell book & change. Cleaned 1 & 2 Burners
 & changed & cleaned F.O. discharge strainers. Cleaned L.O. strainer. Reversed L.O. pump in
 1000 change F.O. suction to Inbo - 1900 section

PER (P-1664110) (S-5721730)

WATCH ENGR'S SIGNATURE-

N. O. Hopping

0400-0800 WATCH

MACH AS BEFORE. CHANGED HOT OIL STRNR. COMPOUNDED #3 & 4 BOILERS
 30 RPM @ 0604, 70 RPM @ 0635, 35 RPM @ 0718, 70 RPM @ 0730 ALL SPEED CHANGE
 13/15.

WATCH ENGR'S SIGNATURE-

L. B. Simpson

0800-1200 WATCH

MACH. AS BEFORE - BELLS AS PER BELL BOOK - BLEW TUBES #3 & 4 BOILERS -
 CHANGED + CLEANED #3 & #4 F.O. BURNERS & #4 DISCH. STRAINER - CHANGED + CLEANED L.O.
 STRAINERS #3 & #4 AUX. GEN. - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

J. Sharon

CHIEF ENGINEER

12-19-65 @ 0400

#3 #4

P 5.04 7.01

T 7.59 9.35

CHL 9.53 12.01

PHS 25 25

STM HRS 554-535

CHIEF ENGR'S SIGNATURE-

J. Sharon

USNS GENERAL PSPL- TAP 110 VOYAGE NO. FROM OKINAWA TO Qui Hong TYPE OF VESSEL DATE 19620 Dec 1965

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		HOTTEST GEAR BEARING FORWARD	110	112	112	112	112	
DETENTION TIME							HOTTEST GEAR BEARING AFT	115	114	120	120	115	
REVOLUTION COUNTER (END OF WATCH)	5574	5514	5575	5576	5511		AUX. COND. CONDENSATE		MN	MN	MN	MN	MN
TOTAL REVOLUTIONS (FOR WATCH)	2330	8000	8100	8200	8190		1ST STAGE FEED WATER HEATER	137	105	108	103	110	110
AVERAGE RPM	32.5	33.3	33.7	33.4	34.1		O. C. FEED WATER HEATER	231	240	240	238	238	238
F 167 5-5F2 METER (END OF WATCH)	3570	3680	4230	4710	5330	5660	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED	860	1060	1050	1040	1100	570	SUPER HEAT	P 320	510	510	510	510	450
PRESSURES	THROTTLE	420	420	420	420	420	S 320	510	510	510	510	510	450
	H.P. AHEAD	40	40	40		VAR	F.O. TO BURNERS	180	150	150	150	150	150
	L.P. AHEAD		22"		22	VAR	AIR TO FURNACE	P 108	107	106		105	108
	VACUUM	29"	29.5"	29.5"	29	29.5"	S 105	106	106	106	104	105	
	L.O. TO TURBINES	13	13	13	13	13	F.O. TEMP. IN SETTLING TANKS	P 95	93	85	90	97	95
	AUX. STEAM	150	150	150	150	150	S 95	93	90	90	97		
	BACK PRESSURE	11	11	11	11	11	PORT BOILER UPTAKE						
	GLAND STEAM	1.0	1.0	1.0	1.0	1.5	STBD. BOILER UPTAKE						
	H.P. BLEEDER		SECD			SECD	F. O. BACK PRESSURE						
	I.P. BLEEDER		SECD			SECD	MAIN STEAM	440	450	450	450	450	440
TEMPERATURES	L.P. BLEEDER		SECD			SECD	F.O. TO BURNERS	180	180		190	VAR	VAR.
	STEAM AT THROTTLE	510	510	510	510	510	MAIN COND. SALINITY	41	41	41	41	41	41
	L. P. EXHAUST	126	87	125	125	126	ENGINE ROOM TEMPERATURE	90	89	90	90	90	91
	CONDENSATE	98	94	94	95	95	FIRE ROOM TEMPERATURE						
	CIRC. WATER IN	76	76	76	76	76	NOZZLES IN USE	Throttle	Throttle	Throttle	Throttle	Throttle	Sec.
	CIRC. WATER OUT	82	82	80	80	82	NO. OF BURNERS IN USE	P 1	1	1	1	1	1
	L.O. TO COOLERS	114	116	117	117	114	S 1	1	1	1	1	1	1
	L.O. FROM COOLERS	110	110	110	110	110	BURNER TIP SIZE	P A	A	A	A	A	53 PLATE 60
	TEMPERATURE THRUST BEARING	109	110	110	110	107	S A	A	A	A	A	A	53 PLATE 60
	FORWARD H.P. ROTOR BEARING	116	116	118	118	115	CO ₂ % PORT BOILER						
MISCELLANEOUS	AFT. H.P. ROTOR BEARING	115	130	126	128	126	CO ₂ % STBD. BOILER						
	FORWARD L.P. ROTOR BEARING	112	112	116	116	115	OIL LEVEL MAIN SUMP	Norm	Norm	Norm	Norm	Norm	Norm
	AFT. L.P. ROTOR BEARING	120	116	116	116	116							

GENERATORS													FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER			
1200 TO 1600	3	1200	440	510	8	130	110		70	1100	1100	240	METER AT NOON	2846 / 5660		ON HAND AT START OF DAY		
													METER PREVIOUS NOON	2130 / 2740		EVAPORATED OR RECEIVED		
1600 TO 2000	4	1200	440	510	7	130	120		48	1100	1100	240	CONSUMED BY METER	2710 / 2920		ON HAND		
													ON HAND AT START OF DAY	54 / 69		CONSUMED		
													RECEIVED DURING DAY	12 594		ON HAND AT START OF DAY		
													EXPENDED DURING DAY			RECEIVED		
2000 TO 2400	3	1200	440	510	8	130	108		70	1100	1100	240	REMAINING ON BOARD	12345		ON HAND		
	4	1200	440	510	7	141	128		48	1100	1100	240				CONSUMED		
													ON HAND AT START OF DAY			ON HAND		
													EVAPORATED OR RECEIVED			RECEIVED		
2400 TO 0400	3	1200	450	510	8	130	108		70	1000	1000	240				CONSUMED		
	4	1200	450	510	7	142	126		48	1000	1000	240				ON HAND		
													ON HAND			RECEIVED		
													CONSUMED			CONSUMED		
LOW PRESS. EVAPORATORS (No. of hrs. operated) / (Fresh water made gals.)																		
L.O. CENTRIFUGE - HOURS OPERATED																		
2400 TO 0400	3	1200	450	510	8	130	110		70	1000	1000	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	4	1200	450	510	7	142	125		48	1000	1000	240	4	4	4	4	4	4
SUMMARY																		
0400 TO 0800	3	1200	450	510	8	130	108		70	1100	1100	240	RUNNING TIME		PROPELLER SLIP (%)			
	4	1200	450	510	7	140	127		48	1100	1100	240	DETENTION TIME		BBL FUEL MI			
0800 TO 1200													TOTAL REVOLUTIONS		WIND DIRECTION			
	3	1200	440	450	8	131	108		70	1100	1100	240	AVERAGE R.P.M.		STATE OF SEA			
	4	1200	440	450	7	142	125		48	1100	1100	240	TOTAL MILES BY ENGINE		STATE OF WEATHER			
													TOTAL MILES BY OBSERVATION					

REMARKS

1200-1600 WATCH

Underway maneuvering as per bell book. Cleaned #1 & 2 F.O. Burners
cleaned F.O. discharge & suction strainers. Machinery in operation, Mac Unit
at 364 boiler at 440, 384 Turbine at 200. Cleaned L.O. pump.

FOR P-1670570 VS-5723160

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACH AS BEFORE. BLUE TUBES #3 & 4 BURNERS CHANGED & CLEANED STD HOT
OIL STRNR

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED #1 & 2 F.O. BURNERS & #3 DISCH. STRAINER -
CHANGED & CLEANED F.O. SUCT. STRAINER - CHANGED & CLEANED L.O. STRAINERS #3 & 4 AUX.
GEN. - PUMPED PILGES - COMPLIED WITH STANDING & NIGHT ORDERS -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Mach as before, 30 RPM, 2000 RPM, L.O. #1 & 2 F.O. pump.
Cleaned F.O. discharge strainer #1

WATCH ENGR'S SIGNATURE

FOR P-1672110 VS-5724710

0400-0800 WATCH

MACH AS BEFORE. CHANGED STD HOT OIL STRNR SPEED CHANGES AS
FOLLOWS 40 RPM @ 0541, 50 RPM @ 0605, 40 RPM @ 0617, FURTHER BELLS
AS PER BELLBOOK. TIME CHECK @ 0621

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

ANCHOR WATCH AT QUL NHON - SEC. MN. STM. STOPS & BULKHEAD STOPS #3 & 4 BURNERS -
BLEW TUBES #3 & 4 BURNERS - MN. UNIT IN JACKING GEAR @ 0845 - CHANGED & CLEANED
F.O. BURNERS & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & 4 AUX. GEN -
FWF @ 0842 - CTR. P-55772780 - 8-74549840 - FOM. P-1672080 S-5725410 -

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

12-19-65 @ 0700

#3 #4

P 5.84 7.59

T 8.18 9.93

CH 12.84 16.16

P/O 25 25

SM 425 5/8-559

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)	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	110	110	110	111	112
AVERAGE RPM							TEMPERATURES	D. C. FEED WATER HEATER	237	239		238	238
5572 F.O. METER (END OF WATCH)	6300	6400	6770	6770	7550	7950		3RD STAGE FEED WATER HEATER					
F.O. CONSUMED	630	750	720	720	750	770		SUPER HEAT	P 470	480	470	470	490
PRESSURES	THROTTLE							S	480	480	470	470	490
	H.P. AHEAD						BOILER PARTICULARS	F.O. TO BURNERS	150	150	150	150	150
	L.P. AHEAD							AIR TO FURNACE	P 108	108	106	105	104
	VACUUM	29"	29.5"	29.5"	29	29.5		S	106	106	105	104	110
	L.O. TO TURBINES	13	13	13	13	13		F.O. TEMP. IN SETTLING TANKS	P				97
	AUX. STEAM	153	150	150	150	150		S	95	95	90	95	97
	BACK PRESSURE		11	11		11		PORT BOILER UPTAKE					
	GLAND STEAM	1.0	1.0	1.0	1.0	1.0		STBD. BOILER UPTAKE					
	H.P. BLEEDER							F. O. BACK PRESSURE	1200				
	I.P. BLEEDER							MAIN STEAM	405	440	440	440	440
	L.P. BLEEDER							F.O. TO BURNERS	130	120	140	130	150
TEMPERATURES	STEAM AT THROTTLE						MISCELLANEOUS	MAIN COND. SALINITY	41	41	41	41	41
	L. P. EXHAUST	126	126	116	115	114		ENGINE ROOM TEMPERATURE	92	91	92	92	91
	CONDENSATE	96	96	97	97	98		FIRE ROOM TEMPERATURE					
	CIRC. WATER IN	76	76	76	76	76		NOZZLES IN USE					
	CIRC. WATER OUT	80	80	80	80	80		NO. OF BURNERS IN USE	P 1	1	1	1	1
	L.O. TO COOLERS	113	114	113	112	110		S	1	1	1	1	1
	L.O. FROM COOLERS	110	110	110	110	110		BURNER TIP SIZE	P A	A	A	A	A
	TEMPERATURE THRUST BEARING							S	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING							CO ₂ % PDRT BOILER					
	AFT. H.P. ROTOR BEARING							CO ₂ % STBD. BOILER					
PRESSURES	FORWARD L.P. ROTOR BEARING						OIL LEVEL	MAIN SUMP	norm	norm	norm	norm	norm
	AFT. L.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	DOMESTIC WATER	BOILER WATER	LUBE OIL	DIESEL OIL	
1200 TO 1600	3	1200	440	470	8	131	108		70	1000	1000	240	METER AT NOON	1590/7950	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED	
	4	1200	440	470	7	142	125		48	1000	1000	240	METER PREVIOUS NOON	2840/5660	ON HAND		CONSUMED	
1600 TO 2000	3	1200	440	480	8	130	108		70	1000	1000	240	CONSUMED BY METER	2050/2290	ON HAND AT START OF DAY	12345	RECEIVED DURING DAY	
	4	1200	440	480	7	142	126		48	1000	1000	240	ON HAND AT START OF DAY	12345	EXPENDED DURING DAY	157	RECEIVED	
2000 TO 2400	3	1200	440	470	8	130	108		70	1000	1000	240	REMAINING ON BOARD	12194	ON HAND		ON HAND	
	4	1200	440	470	7	142	125		48	1000	1000	240	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		CONSUMED	
2400 TO 0400	3	1200	440	470	8	130	108		70	1000	1000	240	ON HAND		ON HAND		ON HAND	
	4	1200	440	470	7	142	125		48	1000	1000	240	CONSUMED		EVAPORATED OR RECEIVED		RECEIVED	
0400 TO 0800	3	1200	440	470	8	130	108		70	1000	1000	240	ON HAND		ON HAND		CONSUMED	
	4	1200	440	470	7	142	125		48	1000	1000	240	CONSUMED		EVAPORATED OR RECEIVED		RECEIVED	
0800 TO 1200	3	1200	440	490	8	131	110		70	1000	1000	240	ON HAND		ON HAND		CONSUMED	
	4	1200	440	490	7	143	125		48	1000	1000	240	CONSUMED		EVAPORATED OR RECEIVED		RECEIVED	
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																		
L.O. CENTRIFUGE - HOURS OPERATED																		
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200																		
4 4 4 4 4 4																		
SUMMARY																		
RUNNING TIME PROPELLER SLIP (%)																		
DETENTION TIME BBL FUEL MI																		
TOTAL REVOLUTIONS WIND DIRECTION																		
AVERAGE R.P.M. STATE OF SEA																		
TOTAL MILES BY ENGINE STATE OF WEATHER																		
TOTAL MILES BY OBSERVATION																		

1200-1600 WATCH

Changed & cleaned burner #1 & #2 F.O. discharge strainer. Cleaned L.O. pump. Anchored in Quil (HON) MACH AS BEFORE. BLEW TUBES #3 & #4 BURNERS. CHANGED HOT OIL STRNR. MN UNIT ON JACKING GEAR UNDER VACUUM.

WATCH ENGR'S SIGNATURE: H.D. Hap

1600-2000 WATCH

ANCHORED IN QUIL (HON) MACH AS BEFORE. BLEW TUBES #3 & #4 BURNERS. CHANGED HOT OIL STRNR. MN UNIT ON JACKING GEAR UNDER VACUUM.

WATCH ENGR'S SIGNATURE: W. B. B. B.

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #3 F.O. DISCH. STRAINER - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - RELOCATED AIR LINE ON #2 F.O. TANK - COMPLIED WITH STANDING & NIGHT ORDERS - BILGES AT SAFE LEVEL -

WATCH ENGR'S SIGNATURE: J. Seaton

2400-0400 WATCH

Changed & cleaned burner #1 & #2 F.O. discharge strainer. Cleaned L.O. strainer main unit. Replaced L.O. pump. MACH AS BEFORE, JACKING GEAR ENGAGED AND VACUUM UP.

WATCH ENGR'S SIGNATURE: H.D. Hap

0400-0800 WATCH

MACH AS BEFORE CHANGED & CLEANED STD HOT OIL & COLD OIL STRNR.

WATCH ENGR'S SIGNATURE: W. B. B. B.

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BURNER - CHANGED & CLEANED F.O. BURNERS & #1 DISCH. STRAINER - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - BILGES AT SAFE LEVEL -

WATCH ENGR'S SIGNATURE: J. Seaton

CHIEF ENGINEER

12-21-65 @ 0400

#3 #4

P 5.26 7.59

T 8.18 9.35

G/L 11.6 14.91

P/Os 15 15

STA HRS 602-503

CHIEF ENGR'S SIGNATURE: W. B. B. B.

		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	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD					140	140	145	
DETENTION TIME									HOTTEST GEAR BEARING AFT					130	142	136	
REVOLUTION COUNTER (END OF WATCH)		5573			5573	5580	5582		AUX. COND. CONDENSATE				N		N		
TOTAL REVOLUTIONS (FOR WATCH)					260	23020	23140		1ST STAGE FEED WATER HEATER		112	112	112	103	155	158	
AVERAGE RPM					95.3	95.9	96.4	D. C. FEED WATER HEATER		239	239	238	230	239	238		
F.O. METER (END OF WATCH)		573	5730	5590	5910	4740	8280	3RD STAGE FEED WATER HEATER									
F.O. CONSUMED		720	770	690	1000	3170	3050										
PRESSURES	THROTTLE				40	405	400	BOILER PARTICULARS TEMPERATURES	SUPER HEAT		P		490	580		600	600
	H.P. AHEAD				405	405	400				S		490	580		600	600
	L.P. AHEAD				23	23	23		F.O. TO BURNERS			150	150	150	150	150	
	VACUUM	29"	29.5"	29.5"	29"	29"	29"		AIR TO FURNACE		P		109	108	108	124	120
	L.O. TO TURBINES	13	13	13	13	13	13				S	105	107	108	118	118	122
	AUX. STEAM	150	150	150	150	150	150		F.O. TEMP. IN SETTLING TANKS		P						
	BACK PRESSURE	10	10	10	10	10	11				S	95	95	95	98	98	98
	GLAND STEAM	1.2	1.5	1.5	1.5	1.5	1.0		PORT BOILER UPTAKE								
	H.P. BLEEDER				80	70	70		STBD. BOILER UPTAKE								
	L.P. BLEEDER				9	8	9		F. O. BACK PRESSURE								
TEMPERATURES	STEAM AT THROTTLE					600	600	MISCELLANEOUS	MAIN COND. SALINITY			41	41	41	41	41	41
	L. P. EXHAUST	117	118	116	101	101	112		ENGINE ROOM TEMPERATURE			92	96	94	98	99	104
	CONDENSATE	96	97	95	107	108	111		FIRE ROOM TEMPERATURE								
	CIRC. WATER IN	76	76	76	75	75	77		NOZZLES IN USE								
	CIRC. WATER OUT	80	80	80	92	90	90		NO. OF BURNERS IN USE		P	1	1	1	3	3	3
	L.O. TO COOLERS	113	113	113	127	129	131				S	1	1	1	3	3	3
	L.O. FROM COOLERS	110	110	111	110	110	110		BURNER TIP SIZE		P	A	A	A	A	A	A
	TEMPERATURE THRUST BEARING				113	116	116				S	A	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING				123	126	125		CO ₂ % PORT BOILER								
	AFT. H.P. ROTOR BEARING				132	134	134		CO ₂ % STBD. BOILER								
	FORWARD L.P. ROTOR BEARING				133	133	134	OIL LEVEL MAIN SUMP			NORM	NORM	NORM	NORM	NORM	NORM	
	AFT. L.P. ROTOR BEARING				130	130	130										

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	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED
1200 TO 1600	3	1200	440	520	8	131	110		70	1200	1200	240	9790/3040	5840/7950	4900/5090		
	4	1200	440	520	7	143	125		48	1200	1200	240					
1600 TO 2000	3	1200	440	500	8	131	109		70	1100	1100	240					
	4	1200	440	500	7	145	126		40	1100	1100	240					
2000 TO 2400	3	1200	440	500	8	132	109		70	950	950	240					
	4	1200	440	500	7	145	125		48	950	950	240					
2400 TO 0400	3	1200	440		8	130	110		70	1000	1000	240					
	4	1200	440		7	146	128		48	1000	1000	240					
0400 TO 0800	3	1200	450		8	132	110		70	1000	1000	240					
	4	1200	450		7	148	127		48	1000	1000	240					
0800 TO 1200	3	1200	450	600	8	132	110		70	1200	1200	240					
	4	1200	450	600	7	147	130		48	1200	1200	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
													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

Mach. as before. Main steam & turbine suction pumps gear engaged, vacuum up.
 #3 & #4 Burners as before, #3 & #4 Turbine steam line closed & 2 pumps clean with no discharge
 to strainers, 100 hrs changed F.O. suction & disch. strainers.

FORM 167 5730 (5-572833)

WATCH ENGR'S SIGNATURE: W. D. Happing

1600-2000 WATCH

MACH. AS BEFORE CHANGED HOT OIL STRNRS. BLEW TUBES #3 & #4 BLRS.

WATCH ENGR'S SIGNATURE: W. D. Happing

2000-2400 WATCH

MACH. AS BEFORE - CHANGED + CLEANED F.O. SUCT. + DISCH. STRAINERS - CHANGED
 + CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - BILGES AT SAFE LEVEL

WATCH ENGR'S SIGNATURE: J. Seaton

2400-0400 WATCH

Mach. as before. 100 hrs changed from Wedge 2015 to 2220. Started walking
 0142 Star. By FORM 167 140 (5-572975) 100 hrs 55773 444
 55773 2623. 100 hrs 2220. 100 hrs 2220. 100 hrs 2220.

WATCH ENGR'S SIGNATURE: W. D. Happing

0400-0800 WATCH

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

WATCH ENGR'S SIGNATURE: W. D. Happing

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BLOWERS - CHANGED + CLEANED #5 & #6
 F.O. BURNERS + DISCH. STRAINERS - CHANGED + CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. -
 PUMPED BILGES -

WATCH ENGR'S SIGNATURE: J. Seaton

CHIEF ENGINEER

12-22-65 @ 0400

#3 #4

P 7.01 7.01

T 9.35 9.93

CHL 10.57 12.43

Rts 25 25

SMYRS 626-607

CHIEF ENGR'S SIGNATURE: J. 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		20										
DETENTION TIME												
REVOLUTION COUNTER (END OF WATCH)	5535 1213	5585 8070										
TOTAL REVOLUTIONS (FOR WATCH)	2310											
AVERAGE RPM	91.2											
F 165 S 553.5 METER (END OF WATCH)	135 4533	1900 5230	2240 5600	2610 5950	2950 6350	3310 6700						
F.O. CONSUMED	3285	1250	710	720	740	780						
MACHINERY PARTICULARS	PRESSURES	THROTTLE	410									
		H.P. AHEAD	415									
		L.P. AHEAD	24									
		VACUUM	29"	29.5"	29.5"	29"	29"	29"				
		L.O. TO TURBINES	12	13	13	13	13	13				
		AUX. STEAM	155	150	150	150	150	150				
		BACK PRESSURE	11	11	11	11	11	11				
		GLAND STEAM	1.5"	2.0	1.0	1.0	1.5	1.0				
		H.P. BLEEDER	7.0	SECD								
		L.P. BLEEDER	8	SECD								
		L.P. BLEEDER	18"	SECD								
	TEMPERATURES	STEAM AT THROTTLE										
		L. P. EXHAUST	115	122	122	122	116	117				
		CONDENSATE	112	98	100	100	98	100				
		CIRC. WATER IN	78	76	78	78	78	80				
		CIRC. WATER OUT	92	84	84	84	82	84				
		L.O. TO COOLERS	127	110	111	111	112	112				
		L.O. FROM COOLERS	110	110	114	114	110	109				
		TEMPERATURE THRUST BEARING	116									
		FORWARD H.P. ROTOR BEARING	125									
		AFT. H.P. ROTOR BEARING	136									
		FORWARD L.P. ROTOR BEARING	133									
		AFT. L.P. ROTOR BEARING	130									
MACHINERY PARTICULARS	TEMPERATURES	HOTTEST GEAR BEARING FORWARD	145									
		HOTTEST GEAR BEARING AFT	136									
		AUX. COND. CONDENSATE		42				42				
		1ST STAGE FEED WATER HEATER	153	110	112	112	112	115				
		O. C. FEED WATER HEATER	237	237	238	238	237	238				
		3RD STAGE FEED WATER HEATER										
		SUPER HEAT	P	510	530	530	550	540				
		S		510	530	530	550	540				
		F.O. TO BURNERS	153	150	150	150	150	150				
	PRESSURES	AIR TO FURNACE	P	118	114	114	112	114				
		S	120	115	112	110	108	110				
		F.O. TEMP. IN SETTLING TANKS	P	95								
		S			98	98	90	90				
		PORT BOILER UPTAKE										
		STBD. BOILER UPTAKE										
		F. O. BACK PRESSURE										
		MAIN STEAM	410	450	450	450	450	450				
		F.O. TO BURNERS	140	100	100	120	120	140				
		MAIN COND. SALINITY	41	41	41	41	41	41				
MACHINERY PARTICULARS	TEMPERATURES	ENGINE ROOM TEMPERATURE	124	99	98	96	95	100				
		FIRE ROOM TEMPERATURE										
		NOZZLES IN USE	16									
		NO. OF BURNERS IN USE	P	3	1	1	1	1				
		S		3	1	1	1	1				
		BURNER TIP SIZE	P	A	A	A	A	A				
		S	12	A	A	A	A	A				
		CO ₂ % PORT BOILER										
		CO ₂ % STBD. BOILER										
		OIL LEVEL MAIN SUMP		NORM	NORM	NORM	NORM	NORM				
	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	METER AT NOON	METER PRE- VIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED
1200 TO 1600	3	1200	450		8	132	110		70	1200	1200	240	3320	2790	3530	11790	
	4	1200	450		7	147	131		48	1200	1200	240					
1600 TO 2000	3	1200	450		8	132	110		70	1200	1200	240					
	4	1200	450		7	145	127		48	1200	1200	240					
2000 TO 2400	3	1200	450	530	8	132	110		70	1000	1000	240					
	4	1200	450	530	7	145	127		48	1000	1000	240					
2400 TO 0400	3	1200	450	530	8	132	110		70	1000	1000	240					
	4	1200	450	530	7	145	127		48	1000	1000	240					
0400 TO 0800	3	1200	450	550	8	130	110		70	1100	1100	240					
	4	1200	450	550	7	143	126		48	1100	1100	240					
0800 TO 1200	3	1200	450	540	8	132	110		70			240					
	4	1200	450	540	7	146	130		48			240					
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																	

REMARKS

1200-1600 WATCH

Underway 1610 (1612) underway in operation, main water flow, #3 CV
 Boiler #4, #324 Turbo Engine, #2 FW pump, #4 FW steam pump, #2 Sump pump
 #2 burner #4 discharge section strainer cleaned 16-pm. #45
 Transmission vent, #45 #45 #45 #45 #45 #45 #45 #45
 #45 switch #45 section #45 #45 #45

FCCP-168 180 (S-573 5580)

WATCH ENGR'S SIGNATURE: [Signature]

1600-2000 WATCH

MACH AS BEFORE. MANEUVERING INTO NUI BANG TAG. SLOWED TO 80 RPM
 @ 1615. ARRIVAL @ 1620. ARRIVAL FOM 5/34 ESE, 16E15/C CTR 55E5/960,
 74632E/C. BOLS AS PER BALBOCK. FWE @ 1732 FOM 5/3506C, 16E17/50
 CTR 55E580/C, 746360/C. MN UNIT ON JACKING GEAR UNDER VACUUM
 BLEW TUBES #3 & #4 BURS @ 1630

WATCH ENGR'S SIGNATURE: [Signature]

2000-2400 WATCH

MACH AS BEFORE - CHANGED + CLEANED F.O. BURNERS & SUCT & DISCH. STRAINERS -
 ADDED 5 GAL. L.O. TO #3 MN. FEED PUMP - CHANGED + CLEANED L.O. STRAINERS #3 & #4 AUX. GEN -
 BILGES AT SAFE LEVEL

WATCH ENGR'S SIGNATURE: [Signature]

2400-0400 WATCH

Mach as before changed & cleaned F.O. burners & both discharge strainers - cleaned

FCCP-168 2610 (S-573 5950)

WATCH ENGR'S SIGNATURE: [Signature]

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED ALL F.O. STRNRS. ADDED SLCCA TO
 CONDENSATE.

WATCH ENGR'S SIGNATURE: [Signature]

0800-1200 WATCH

MACH AS BEFORE - BLEW TUBES #3 & #4 BURNERS - CHANGED & CLEANED F.O. BURNERS
 + DISCH. STRAINERS - CHANGED + CLEANED L.O. STRAINERS #3 & #4 AUX. GEN - BILGES
 AT SAFE LEVEL

WATCH ENGR'S SIGNATURE: [Signature]

CHIEF ENGINEER

12-23-65 @ 0400

#2 #3

P 7.59 7.59

T 10.51 9.93

C/L 16.57 11.19

P/O 25 25

STAY HRS 650-631

CHIEF ENGR'S SIGNATURE: [Signature]

USN GENERAL JOHN POPE VOYAGE NO. FROM Huu BUNG TAO TO INCHON R.O.K. TYPE OF VESSEL P-2 DATE 23/24 Dec. 1965

		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	MACH. PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD	120	137	140	141	136	136	
DETENTION TIME										HOTTEST GEAR BEARING AFT	137	138	135	135	136	134	
REVOLUTION COUNTER (END OF WATCH)		5586	5586	5590	5592	5594	5596			AUX. COND. CONDENSATE		HN			HN		
TOTAL REVOLUTIONS (FOR WATCH)		20650	20910	21090	21090	21090	20780			1ST STAGE FEED WATER HEATER	120	146	150	151	150	150	
AVERAGE RPM		86.0	87.1	87.8	87.9	86.6				D. C. FEED WATER HEATER	234	237	238	238	238	238	
F.O. METER (END OF WATCH)		8580	8580	9780	10600	12410	143690			3RD STAGE FEED WATER HEATER							
F.O. CONSUMED		2470	2520	2550	2660	2580		BOILER PARTICULARS	TEMPERATURES	SUPER HEAT	P	550	580	590	590	580	580
PRESSURES	THROTTLE	40	415	410	410	410	410			S	550	580	590	590	580	580	
	H.P. AHEAD	40	415	410	410	410	410			F.O. TO BURNERS	150	150	150	150	150	150	
	L.P. AHEAD	12	10	14	16	14	15			AIR TO FURNACE	P	122	120	120	120	122	122
	VACUUM	29"	29"	29"	29"	29"	29"			S	118	120	120	120	120	120	
	L.O. TO TURBINES	12	13	13	13	13	13			F.O. TEMP. IN SETTLING TANKS	P	93	90	95	96	98	
	AUX. STEAM	150	150	150	150	150	150			S	93	90	95	96	98		
	BACK PRESSURE	11	11	11	11	11	11			PORT BOILER UPTAKE							
	GLAND STEAM	1	1.0	1.0	1.0	1.5	1.5			STBD. BOILER UPTAKE							
	H.P. BLEEDER	70	70	70	70	70	70			F. O. BACK PRESSURE							
	I.P. BLEEDER	8	8	8	8	8	8	MAIN STEAM	440	450	450	450	450	450			
L.P. BLEEDER	23"	23"	21"	21"	20"	21"	F.O. TO BURNERS	125	150	150	150	140	140				
TEMPERATURES	STEAM AT THROTTLE	580	580	590	590	580	580	MISCELLANEOUS	MAIN COND. SALINITY	41	41	41	41	41	41		
	L. P. EXHAUST	130	109	110	110	111	111		ENGINE ROOM TEMPERATURE	102	102	102	102	103	104		
	CONDENSATE	112	108	111	115	114	110		FIRE ROOM TEMPERATURE								
	CIRC. WATER IN	78	76	78	78	80	81		NOZZLES IN USE	14	14	14	14	14	14		
	CIRC. WATER OUT	92	90	90	91	92	92		NO. OF BURNERS IN USE	P	3	3	3	3	3	3	
	L.O. TO COOLERS	116	126	128	128	124	128		S	3	3	3	3	3	3		
	L.O. FROM COOLERS	110	110	110	110	110	110		BURNER TIP SIZE	P	A	A	A	A	A	A	
	TEMPERATURE THRUST BEARING	110	115	114	117	115	116		S	A	A	A	A	A	A		
	FORWARD H.P. ROTOR BEARING	20	125	125	125	125	125		CO ₂ % PORT BOILER								
	AFT. H.P. ROTOR BEARING	130	132	130	130	132	134		CO ₂ % STBD. BOILER								
FORWARD L.P. ROTOR BEARING	130	130	132	132	130	132	OIL LEVEL MAIN SUMP	Norm	Norm	Norm	Norm	Norm	Norm	Norm			
AFT. L.P. ROTOR BEARING	128	130	132	131	130	130											

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	3	1200	440	580	8	130	110		70	1200	1200	240	METER AT NOON	90470/123690	ON HAND AT START OF DAY		ON HAND AT START OF DAY						
	4	1200	440	580	7	140	110		48	1200	1200	240	METER PREVIOUS NOON	33320/6760	EVAPORATED OR RECEIVED		RECEIVED						
1600 TO 2000	3	1200	450	580	8	132	110		70	1250	1250	240	CONSUMED BY METER	7150/6930	ON HAND		ON HAND						
	4	1200	450	580	7	147	132		48	1250	1250	240	ON HAND AT START OF DAY	11510	CONSUMED		ON HAND AT START OF DAY						
2000 TO 2400	3	1200	450	590	8	134	110		70	1200	1200	240	RECEIVED DURING DAY		ON HAND AT START OF DAY		RECEIVED						
	4	1200	450	590	7	147	134		48	1200	1200	240	EXPENDED DURING DAY	335/279	ON HAND		ON HAND						
2400 TO 0400	3	1200	450	590	8				70	1200	1200	240	REMAINING ON BOARD	10927	CONSUMED		CONSUMED						
	4	1200	450	590	7				48	1200	1200	240	ON HAND AT START OF DAY		ON HAND		ON HAND						
0400 TO 0800	3	1200	450	580	8	134	112		70	1250	1250	240	EVAPORATED OR RECEIVED		ON HAND		RECEIVED						
	4	1200	450	580	7	148	144		48	1250	1250	240	ON HAND		CONSUMED		CONSUMED						
0800 TO 1200	3	1200	450	580	8	134	112		70	1250	1250	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)										
	4	1200	450	580	7	148	144		48	1250	1250	240	L.O. CENTRIFUGE - HOURS OPERATED										
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200					
													4	4	4	4		4					
													SUMMARY										
													RUNNING TIME			PROPELLER SLIP (%)							
													DETENTION TIME			BBL FUEL, MI							
													TOTAL REVOLUTIONS	1		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. 1528 FIRE & BOAT
drill. 1537 secured 1539 abandon ship drill 1537 secured from all drills
57414312 Dist 1520 1521 1522 1523 1524 1525 1526 1527 1528 1529 1530 1531 1532 1533 1534 1535 1536 1537 1538 1539 1540 1541 1542 1543 1544 1545 1546 1547 1548 1549 1550 1551 1552 1553 1554 1555 1556 1557 1558 1559 1560 1561 1562 1563 1564 1565 1566 1567 1568 1569 1570 1571 1572 1573 1574 1575 1576 1577 1578 1579 1580 1581 1582 1583 1584 1585 1586 1587 1588 1589 1590 1591 1592 1593 1594 1595 1596 1597 1598 1599 1600

FOM (P-1687980) (5-5777475)

WATCH ENGR'S SIGNATURE - *W. Brasington*

1600-2000 WATCH

MACH AS BEFORE. CHANGED HOT OIL STIRNRS. BLEW TUBES #3 & 4 BURS.

WATCH ENGR'S SIGNATURE - *W. Brasington*

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 & 6 F.O. BURNERS & SUCT. & DISCH. STRAINERS -
CHANGED & CLEANED L.O. STRAINERS #3 & 4 AUX. GEN. - HELD ENG. CASUALTY DRILL #E-4 FROM
2100 TO 2130 - INST. WATCH - NOTIFIED BRIDGE - PUMPED BILGES -

WATCH ENGR'S SIGNATURE - *J. Seaton*

2400-0400 WATCH

Mach. As before. 14022. Blew 60 Strainers. main unit a
cleaned F.O. burner & F.O. discharge strainer. 0130 Held Engineering Casualty drill
E-4 Replaced Fireman 4th. present & secured at 0200 hrs.

WATCH ENGR'S SIGNATURE - *W. Brasington*

FOM (P-1687860) (5741060)

0400-0800 WATCH

MACH AS BEFORE CHANGED & CLEANED #3 BURNER. & F.O. STIRNRS. COMPOUNDED
#3 & 4 BURS. HELD ENG CASUALTY DRILL E-4 AMONG WATCH PERSONNEL @ 0615-0630

WATCH ENGR'S SIGNATURE - *W. Brasington*

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & 4 BOILER. CHANGED & CLEANED #6
F.O. BURNER & DISCH. STRAINERS. ADDED 3 GAL. L.O. TO #4 FEED PUMP. CHANGED &
CLEANED L.O. STRAINERS #3 & 4 AUX. GEN. - PUMPED BILGES -

WATCH ENGR'S SIGNATURE - *J. Seaton*

CHIEF ENGINEER

12-24-65 @ 0400
#3 #4

P 6.43 7.59

T 9.35 9.93

CHL 11.19 17.40

PHOS 15 20

SM 4RS 674-655

CHIEF ENGR'S SIGNATURE - *W. Brasington*

REMARKS

1200-1600 WATCH

[illegible]

FIN (P-169-1000) 15-57444.0

WATCH ENGR'S SIGNATURE.

1600-2000 WATCH

1600-2000 WATCH
MACH AS BEFORE. BLEW TUBES #3 & #4 BURS. CHANGED #4 BURNER, & #4 HOT OIL STRIPS
FIXED F.O. LEAK #3 F.O. PUMP. RAISED BOILER STAY PRESS TO 460 PSI. SEC'D
STBY FD. PUMP.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

000-2400 WATCH

MACH. AS BEFORE - CHANGED + CLEANED #5 F.O. BURNER + SUCT. + DISCH. STRAINERS -
CHANGED + CLEANED L.O. STRAINERS #3 + #4 AUX. GEN. - OILY RINGS -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

2400-0400 WATCH - Incoming 1st H-H-22. Mach is heavy. Cleared #1 to Burned. Fuel discharged. Strainers. Cleared main unit. Lost fuel.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

00-0800 WATCH
MACH AS BEFORE. CHANGED #3 BURNER. & F.O. STIRNRS. PUT #4 BUR. ON CONSTANT
BLOW EVAP. STARTED STBY F.O. PUMP.

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

0800-1200 WATCH
MACH AS BEFORE - BLEW TUBES IN #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O.
BURNER + DISCH. STRAINERS - ADDED 5 GAL. L.O. TO #4 FEED PUMP - CHANGED & CLEANED L.O.
STRAINERS #3 & #4 AUX. GEN. - REDUCED SPEED TO 60 R.P.M. @ 0918 1/2 B. - 1/3 @ 0920 - 4
40 R.P.M. @ 0922 - 44 60 R.P.M. @ 0932 1/2 - 5/8 @ 0933 - 44 60 R.P.M. @ 0950 1/2 - ON THE
BLACK @ 0952 1/2 B. - 14 NOZ. @ 1031 1/2 B. - PUMPED BILGES - REDUCED SPEED TO BLACK @ 0830 1/2 B.

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

12-25-65 @ e⁴/∞

#3 #4

P 7.01 9.35

7 9.35 12.26

calc 9.94 17.40

P400 30 25

STAT 1/25 698-679

CHIEF ENGR'S SIGNATURE

$$\begin{array}{r} \text{AV} \\ 2 \overline{) 16.9} \\ \underline{10} \\ 69 \\ \underline{60} \\ 90 \\ \underline{90} \\ 0 \end{array}$$

MACHINERY PARTICULARS

[illegible]

REMARKS

1200-1600 WATCH

Blowing #4 & #5 a check on operation, then shut down #4 & #5. Blowing #3 & #4 on constant blow pump & make up fuel oil. Blowing #3 & #4 burner to discharge a section strainer then discharge.

FD 164 9040

113-7572811

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BURS. #4 BUR ON CONST BLOW PUMP. SLOWED TO BLOCK @ 1749. SLOWED TO 75 RPM @ 0601 B/O.B. CHANGED #4 BURNER & HOT OIL STRNRS.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. & DISCH. STRAINERS. ADDED 5 GAL. L.O. TO #4 FEED PUMP - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - REDUCED SPEED TO 70 R.P.M. @ 2126 B/O.B. - PUMPED BILGES.

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Blowing #4 & #5 a check on operation, then shut down #4 & #5. Blowing #3 & #4 on constant blow pump & make up fuel oil. Blowing #3 & #4 burner to discharge a section strainer then discharge.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & F.O. STRNRS. TOOK #4 BUR OFF CONST BLOW PUMP & PUT IT ON PET. W. SPED UP TO 16^{1/2} NOZZLES @ 0555 B/O.B. CLEANED SUCT. FILTERS H/O AIR COMP. COMPOUNDED #3 & #4 BURS & CONDENSATE

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

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

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

12-26-65 @ 0400
#3 #4

P 5.26 1.75

T 7.59 2.92

CHL 10.77 1.66

H/O 25 5

STM HRS 722-703

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		240	240	220	220	220	240	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD	140	140	140	137	134	138	
DETENTION TIME										HOTTEST GEAR BEARING AFT	134	134	134	132	137	134	
REVOLUTION COUNTER (END OF WATCH)		0222 9870	5625 1850	5627 2020	5629 1770	5631 1130	5633 2650			AUX. COND. CONDENSATE							
TOTAL REVOLUTIONS (FOR WATCH)		21890	21980	20170	19790	19360	21520			1ST STAGE FEED WATER HEATER	150	150	150	145	146	143	
AVERAGE RPM		91.2	91.6	91.7	89.9	88.0	89.7			D. C. FEED WATER HEATER	239	239	240	239	238	235	
5-5250 METER (END OF WATCH)		5440 8270	1240 9510	8380 60120	4500 1840	10670 62990	1900 4280			3RD STAGE FEED WATER HEATER							
F.O. CONSUMED		2500	2600	2290	2240	2320	2620										
PRESSURES	THROTTLE	420	425	420	420	420	420			P	600	600	580	580	580	580	590
	H.P. AHEAD	420	425	420	420	420	420			S	600	600	580	580	580	580	590
	L.P. AHEAD	18	18	18	18	18	18			F.O. TO BURNERS	150	150	150	150	150	150	150
	VACUUM	29	29	29	29	29	29.5			P	113	117	112	112	104	106	
	L.O. TO TURBINES	13	13	13	13	13	13			S	114	114	112	111	106	100	
	AUX. STEAM	150	150	150	150	150	150			P	90			90			
	BACK PRESSURE	10	10	11	11	11	11			S	90	90	90	90	90	90	
	GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0			PORT BOILER UPTAKE							
	H.P. BLEEDER	70	70	70	70	70	70			STBD. BOILER UPTAKE							
	L.P. BLEEDER	21	21	21	20	20	20			F.O. BACK PRESSURE							
TEMPERATURES	STEAM AT THROTTLE	600	600	580	580	580	590	MAIN STEAM	450	450	450	450	450	450	450		
	L. P. EXHAUST	108	108	104	106	101	97	F.O. TO BURNERS	135	140	135	140	120	125			
	CONDENSATE	108	108	106	106	104	97	MAIN COND. SALINITY	41	41	41	41	41	41			
	CIRC. WATER IN	77	77	75	76	72	65	ENGINE ROOM TEMPERATURE	96	95	93	90	91	88			
	CIRC. WATER OUT	92	92	87	88	85	76	FIRE ROOM TEMPERATURE									
	L.O. TO COOLERS	126	126	129	128	127	128	NOZZLES IN USE	16	16	14	16	16	16			
	L.O. FROM COOLERS	110	110	110	110	110	110	P	3	3	3	3	3	3			
	TEMPERATURE THRUST BEARING	116	116	115	114	112	114	S	3	3	3	3	3	3			
	FORWARD H.P. ROTOR BEARING	135	125	125	124	124	123	P	A	A	A	A	A	A			
	AFT. H.P. ROTOR BEARING	130	130	130	136	130	128	S	A	A	A	A	A	A			
FORWARD L.P. ROTOR BEARING		130	130	130	132	128	129	CO ₂ % PORT BOILER									
AFT. L.P. ROTOR BEARING		130	130	130	130	126	124	CO ₂ % STBD. BOILER									
								OIL LEVEL MAIN SUMP	NORM	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	FUEL OIL	WATER	LUBE OIL	DIESEL OIL		
1200 TO 1600	1	1200	450	600	8	132	110		70	1200	1200	METER AT NOON 1900/4280	ON HAND AT START OF DAY				
	2	1200	450	600	7	140	120		70	1200	1200	METER PREVIOUS NOON 4690/7020	EVAPORATED OR RECEIVED				
	3	1200	450	600	8	132	110		70	1200	1200	CONSUMED BY METER 7216/7260	ON HAND				
	4	1200	450	600	7	146	127		48	1200	1200	ON HAND AT START OF DAY 9945	CONSUMED				
1600 TO 2000	3	1200	450	600	8	132	110		70	1200	1200	RECEIVED DURING DAY	ON HAND AT START OF DAY				
	4	1200	450	600	7	146	127		48	1200	1200	EXPENDED DURING DAY 037	RECEIVED				
	3	1200	450	600	8	132	110		70	1200	1200	REMAINING ON BOARD 9308	ON HAND				
2000 TO 2400	3	1200	450	600	8	132	110		70	1200	1200	ON HAND AT START OF DAY	CONSUMED				
	4	1200	450	600	7	146	127		48	1200	1200	EVAPORATED OR RECEIVED	ON HAND				
	3	1200	450	600	8	132	110		70	1200	1200	ON HAND	RECEIVED				
2400 TO 0400	3	1200	450	600	8	132	110		70	1200	1200	CONSUMED	CONSUMED				
	4	1200	450	600	7	146	127		48	1200	1200	DOMESTIC WATER					
0400 TO 0800	3	1200	450	600	8	132	110		70	1200	1200	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
	4	1200	450	600	7	146	127		48	1200	1200	L.O. CENTRIFUGE - HOURS OPERATED					
0800 TO 1200	3	1200	450	600	8	132	110		70	1200	1200	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
	4	1200	450	600	7	146	127		48	1200	1200	4	4	3:40	3.4	3 1/2	4
	3	1200	450	600	8	132	110		70	1200	1200	SUMMARY					
	4	1200	450	600	7	146	127		48	1200	1200	RUNNING TIME 23 H 12 S	PROPELLER SLIP (%)				
	3	1200	450	600	8	132	110		70	1200	1200	DETENTION TIME	BBL FUEL MI				
	4	1200	450	600	7	146	127		48	1200	1200	TOTAL REVOLUTIONS 12467	WIND DIRECTION				
	3	1200	450	600	8	132	110		70	1200	1200	AVERAGE R.P.M. 90.3	STATE OF SEA				
	4	1200	450	600	7	146	127		48	1200	1200	TOTAL MILES BY ENGINE 465	STATE OF WEATHER				
	3	1200	450	600	8	132	110		70	1200	1200	TOTAL MILES BY OBSERVATION 419					

1200-1600 WATCH

FOM (R-170 5940) (C-575 8270) Added 4 gal L.O. to #4 M.F.D. Pump

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BURS. COMPOUNDED #4 BUR. CONSTANT BLOW
EVAL ON POT. W. CHANGED #4 BURNER & HOT OIL STRAINERS.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT & DISCH. STRAINERS -
ADDED 3 GAL. L.O. TO #4 FEED PUMP - CHANGED L.O. STRAINERS #3 & #4 ADV. QREN. - PUMPED
BI-BURS - ADVANCED CLOCK 20 MIN @ 2300 -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Underway at 16 knots mach as before. 2400 hrs changed FO suction to Inbd High.
0400 hrs advanced clocks 20 min. Cleaned #1 FO burner & discharge strainer.

WATCH ENGR'S SIGNATURE

FOM (R-170 9570) (C-576 1840)

0400-0800 WATCH

MACH AS BEFORE CHANGED #3 BURNER & F.O. STRAINERS. COMPOUNDED #4 BUR &
CONDENSATE. SEC'D M/N AIR COMPRESSOR BECAUSE OF MALFUNCTION & OPENED X-OVER
TO FLD. C.R. ADVANCED CLOCK 20 MINS @ 0500.

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

MACH AS BEFORE - CHANGED & CLEANED #6 F.O. BURNER & DISCH. STRAINERS - BLEW
TUBES #3 & #4 BOILERS - CHANGED L.O. STRAINERS #3 & #4 ADV. QREN. - PUMPED BURS -

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

12-21-65 @ 0400

#3 #4

P 8.18 7.59

T 10.51 9.93

OK 9.53 2.07

P/LCS 30 30

SM/HRS 745-726

CHIEF ENGR'S SIGNATURE

USNS General John Pope VOYAGE NO. 1161 Bure Tao FROM Pusan Rok TO Pusan Rok TYPE OF VESSEL DATE 27/28 Dec 1965

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACH. PARTICULARS (CONT'D)	RUNNING TIME	240	240	240	240	240	240	TEMPERATURES (CONT'D)	HOTTEST GEAR BEARING FORWARD	133	135	134	137	137	142
	DETENTION TIME								HOTTEST GEAR BEARING AFT	134	137	136	137	137	136
	REVOLUTION COUNTER (END OF WATCH)	5635	5637	5639	5642	5644	5646		AUX. COND. CONDENSATE		M			M	
	TOTAL REVOLUTIONS (FOR WATCH)	21850	21920	22190	22310	22300	22230		1ST STAGE FEED WATER HEATER	140	143	140	143	142	137
	AVERAGE RPM	91	91.3	92.5	92.8	92.9	92.6		D. C. FEED WATER HEATER	232	240	240	237	238	240
	P-177 5-576 O. METER (END OF WATCH)	5540	4330	5530	5530	7940	9210		3RD STAGE FEED WATER HEATER						
	F.O. CONSUMED	2470	2530	2470	2380	2450	2520								
	THROTTLE	425	425	425	425	425	425		P	570	590	580	580	580	570
	H.P. AHEAD	425	425	425	425	425	425		S	570	590	580	580	580	570
	L.P. AHEAD	17	17	17	17	17	15		F.O. TO BURNERS	150	150	150	150	150	150
PRESSURES	VACUUM	29"	29.5"	30"	29.6"	29.8"	30"	TEMPERATURES	AIR TO FURNACE	P	103	104	103	100	98
	L.O. TO TURBINES	13	13	13	13	13	13		S	102	102	102	98	96	96
	AUX. STEAM	150	150	150	150	150	150		F.O. TEMP. IN SETTLING TANKS	P	90				98
	BACK PRESSURE	11	11	11	11	11	11		S	90	90	105	95	96	
	GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0		PORT BOILER UPTAKE						
	H.P. BLEEDER	75	70	70	70	70	70		STBD. BOILER UPTAKE						
	I.P. BLEEDER	9	9	9	9	9	9		F. O. BACK PRESSURE						
	L.P. BLEEDER	21"	21"	21"	21"	21"	21"		MAIN STEAM	450	450	450	450	450	450
	STEAM AT THROTTLE	570	590	580	580	580	570		F.O. TO BURNERS	130	130	125	125	125	125
	L. P. EXHAUST	90	95	93	95	94	90		MAIN COND. SALINITY	41	41	41	41	41	41
TEMPERATURES	CONDENSATE	94	94	93	98	95	89	MISCELLANEOUS	ENGINE ROOM TEMPERATURE	86	86	86	86	83	82
	CIRC. WATER IN	64	64	64	64	64	58		FIRE ROOM TEMPERATURE						
	CIRC. WATER OUT	77	76	77	78	78	71		NOZZLES IN USE	16	16	16	16	16	16
	L.O. TO COOLERS	127	127	129	130	127	129		NO. OF BURNERS IN USE	P	3	3	3	3	3
	L.O. FROM COOLERS	110	110	110	110	110	110		S	3	3	3	3	3	3
	TEMPERATURE THRUST BEARING	112	114	114	116	111	114		BURNER TIP SIZE	P	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING	123	123	124	123	122	123		S	A	A	A	A	A	A
	AFT. H.P. ROTOR BEARING	130	130	130	130	130	128		CO. % PORT BOILER						
	FORWARD L.P. ROTOR BEARING	130	130	130	130	128	131		CO. % STBD. BOILER						
	AFT. L.P. ROTOR BEARING	124	124	124	136	124	124		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	BOILER WATER	LUBE OIL	DIESEL OIL		
1200 TO 1600	3	1200	450	570	8	132	110		70	1000	1000	240	METER AT NOON 9210/1790	ON HAND AT START OF DAY				
	4	1200	450	570	7	132	110		70	1000	1000	240	METER PREVIOUS NOON 1400/4280	EVAPORATED OR RECEIVED				
1600 TO 2000	3	1200	450	590	8	132	110		70	1150	1150	240	CONSUMED BY METER 7310/7510	ON HAND				
	4	1200	450	590	7	137	124		48	1150	1150	240	ON HAND AT START OF DAY 9308	CONSUMED				
2000 TO 2400	3	1200	450	580	8	132	110		70	950	950	240	RECEIVED DURING DAY	ON HAND AT START OF DAY				
	4	1200	450	580	7	136	120		48	950	950	240	EXPENDED DURING DAY 352/337	RECEIVED				
2400 TO 0400	3	1200	450	580	8	134	112		70	950	950	240	REMAINING ON BOARD 8554	ON HAND				
	4	1200	450	580	7	137	122		48	950	950	240	ON HAND AT START OF DAY	CONSUMED				
0400 TO 0800	3	1200	450	580	8	134	112		70	950	950	240	EVAPORATED OR RECEIVED	ON HAND				
	4	1200	450	580	7	137	122		48	950	950	240	ON HAND	RECEIVED				
0800 TO 1200	3	1200	450	570	8	134	110		70	1000	1000	240	CONSUMED	CONSUMED				
	4	1200	450	570	7	135	118		48	1000	1000	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)					
L.O. CENTRIFUGE - HOURS OPERATED																		
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200												
	4	4	4	4	4	4												
SUMMARY																		
RUNNING TIME												PROPELLER SLIP (%)						
DETENTION TIME												BSL 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

1200-1600 WATCH:
 1200 hrs. H₁ 10-132 "new" failed. Temp. = 76.4° Below Green, 72.2° at Thermocouple
 Temp. in engine inlet air. The "new" engine pump was changed to 1000 RPM.
 When engine is started, engine oil level is 100% full. The engine is
 running at 1000 RPM. The engine is running at 1000 RPM. 1200 hrs shifted FO
 suction to OUTBD high suction.

APR-17/3/10 11-5765540)

WATCH ENGR'S SIGNATURE.

1600-2000 WATCH

1600-2000 WATCH
MACH AS BEFORE. BLEW TUBES #3 & 4 BURS, CHANGED #4 BURER & HOT OIL
STIRRS.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

2000-2400 WATCH
MACH. AS BEFORE - CHANGED + CLEANED #5 F.O. BURNER + SUCT. + DISCH. STRAINERS -
CHANGED + CLEANED L.O. STRAINERS #3 + #4 AUX. GEN. - HELD ENG. CASUALTY DRINK #E-5
FROM 2100 - 2130 - INST. WATCH - NOTIFIED BRIDGE - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

2400-0400 WATCH
 Unknown, 14-16-77 Charged F-100 to INEL High and High. Charged 10-10-77
 #1 F-100 burned. F-100 burns strong. ENGINEERING CASUALTY PULL F-100 HIGH
SALINITY IN BULKER FUEL WATER 103: F-100 to 100000 10-10-77
 Altered in 10-10-77 to 10-10-77.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

0400-0800 WATCH
MAG. AS BEFORE. CHANGED & CLEANED #3 BURNER. & FCO STRIPS. COMPOUNDED
#3 & 4 BURS. HELD ENG. CASUALTY DRILL E-5 @ 0500-0515 AMONG WATCH PERSONNEL.

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

0800-1200 WATCH MACH. AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #2 L.F.O. BURNER AND DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 ALU. GEN. - ADDED 3 GAL. L.O. TO #4 FEED PUMP - PUMPED DILGES.

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

CHIEF ENGINEER
12-28-65 @ 0400
#3 #4

P 7.01 7.59

T 9.35 9.93

calc 9.11 2.9

P405 25 25

SMY hrs 769-750

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		92				456 ³	240	HOTTEST GEAR BEARING FORWARD						144
DETENTION TIME								HOTTEST GEAR BEARING AFT						136
REVOLUTION COUNTER (END OF WATCH)		5647				5647	5650	AUX. COND. CONDENSATE						M.P.
TOTAL REVOLUTIONS (FOR WATCH)		8423				3210	22030	1ST STAGE FEED WATER HEATER		140				150
AVERAGE RPM		91.5				83.3	94.3	D. C. FEED WATER HEATER		239	239	238	23	238 240
F.O. METER (END OF WATCH)		9340	20050	0290	0500	21000	2300	3RD STAGE FEED WATER HEATER						
F.O. CONSUMED		1290	440	460	460	960	2590	SUPER HEAT		P 570	S 590	490		590 570
PRESSURES	THROTTLE	425				425	425			S 570	S 590	490		590 570
	H.P. AHEAD					425	425	F.O. TO BURNERS		150	150	150		150 150
	L.P. AHEAD					18	18			P 86		86		98 98
	VACUUM	29	29.5	29.5		29.5	29.5	AIR TO FURNACE		S 92		92		95 96
	L.O. TO TURBINES	13	13	13		13	13			P 98				
	AUX. STEAM	150	150	150		150	150	F.O. TEMP. IN SETTLING TANKS		S 98	96	80		80 82
	BACK PRESSURE	11	11	10		11	11	PORT BOILER UPTAKE						
	GLAND STEAM	1.0	1.0	1.0		1.0	1.0	STBD. BOILER UPTAKE						
	H.P. BLEEDER					70	70	F. O. BACK PRESSURE						
	I.P. BLEEDER					9	9	MAIN STEAM		450	450	450		450 450
L.P. BLEEDER					20	20	F.O. TO BURNERS			110	VAR.		125	
TEMPERATURES	STEAM AT THROTTLE	570	590			590	570	MAIN COND. SALINITY		41	41	41		41 41
	L. P. EXHAUST	90	90	99		90	91	ENGINE ROOM TEMPERATURE		80	80	80		83 82
	CONDENSATE	89	89	66		85	96	FIRE ROOM TEMPERATURE						
	CIRC. WATER IN	55	55	53		52	62	NOZZLES IN USE						16 16
	CIRC. WATER OUT	71	68	56		66	76	ND. OF BURNERS IN USE		P 3	1	1		3 3
	L.O. TO COOLERS	126	126	107		126	128			S 3	1	1		3 3
	L.O. FROM COOLERS	110	110	103		110	110			P 8	A	A		A A
	TEMPERATURE THRUST BEARING						114	BURNER TIP SIZE		S 12	A	A		A A
	FORWARD H.P. ROTOR BEARING						121	CO ₂ % PORT BOILER						
	AFT. H.P. ROTOR BEARING						130	CO ₂ % STBD. BOILER						
MISCELLANEOUS	FORWARD L.P. ROTOR BEARING						131	OIL LEVEL MAIN SUMP		NORM	NORM	NORM		NORM NORM
	AFT. L.P. ROTOR BEARING						124							

1200-1600 WATCH

Maneuvering to Port side, 1410 Engines, Secured steering to Starboard & Lined
 stops & started jacking down. ARRIVED FOM P-171466, S-5772262, OTR P-56475173
 OTR S-572725716 FOM P-171466, S-5772262, OTR P-56475173 & S-75272173
 Added 4 gal LO to #4 MAIN Feed pump

FOM (P-171466) (S-5772455)

WATCH ENGR'S SIGNATURE: *[Signature]*

1600-2000 WATCH

MACH AS BEFORE. SEC'D #4 MAIN F.D.P. & STARTED SUBJ TO #4 BIR IN ORDER TO
 ADD PACKING TO SIDE RODS

OILER KENNEDY FOM LARRY JR. Rouillard

WATCH ENGR'S SIGNATURE: *[Signature]*

2000-2400 WATCH

FIRST WATCH AT PUSAN - MACH AS BEFORE - CHANGED & CLEANED F.O. BURNERS +
 DISCH. STRAINERS - CHANGED L.O. STRAINERS #3 & #4 AUX. GEN. - BILGES AT SAFE LEVEL -
 MR. MOONEY, JR. ENGR. FAILED TO SHOW UP FOR HIS WATCH -

FLW WILLIAMS - OILER McCONNELL - JR. ENGR. ROUILLARD

WATCH ENGR'S SIGNATURE: *[Signature]*

2400-0400 WATCH

MACH AS BEFORE, cleaned discharge strainer @ #1 Burner & cleaned LO
 Strainers

FOM (P-1720570) (S-773150)

WATCH ENGR'S SIGNATURE: *[Signature]*

0400-0800 WATCH

MACH AS BEFORE RECEIVED WHEEL CLEARANCE @ 0530. TIME & TELL CHECK @ 0533
 ROLLED HNS UNIT @ 0540. SBC @ 0615 BELLS AS PER BELLBOCK DEPT @ 0700
 SPEED UP TO 16 KNOTS @ 0715 & B.

WATCH ENGR'S SIGNATURE: *[Signature]*

0800-1200 WATCH

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

WATCH ENGR'S SIGNATURE: *[Signature]*

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE: *[Signature]*

USNS General John Pope
TAP 110

VOYAGE NO.

FROM
SASEISO

TO
San Francisco

TYPE OF VESSEL

DATE
29-3-1963

		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
MACHINERY PARTICULARS	RUNNING TIME	140		240	240	240	240	MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD	143		140	138	136	140
	DETENTION TIME								HOTTEST GEAR BEARING AFT	135		132	134	137	134
	REVOLUTION COUNTER (END OF WATCH)	5657 8331		5653 9920	5656 2240	5658 4200	5660 6140		AUX. COND. CONDENSATE		4N	4N	4N	4N	4N
	TOTAL REVOLUTIONS (FOR WATCH)	15821		19580	22370	21910	21940		1ST STAGE FEED WATER HEATER	140	92	146	150	147	150
	AVERAGE RPM	94		89.0	93.2	91.3	91.4		D. C. FEED WATER HEATER	538	238	240	238	238	238
	R 172 50-72 F.O. METER (END OF WATCH)	3230 5850	3530 6130	4680 7280	5440 8560	7180 9850	8410 11120		3RD STAGE FEED WATER HEATER						
	F.O. CONSUMED	1860	480	2300	2340	2530	2500		P	590	590	540	530	540	560
	THROTTLE	428	425	420	420	420	420		S	590	590	540	530	540	560
	H.P. AHEAD	425	420	420	420	420	420		F.O. TO BURNERS	150	150	150	150	150	150
	L.P. AHEAD	18	17	17	17	17	18		P	97	98	96	98	102	100
	VACUUM	29	29	29	29	29.5	29.5		S	96	97	96	96	98	100
	L.O. TO TURBINES	13	13	13	13	13	13		F.O. TEMP. IN SETTLING TANKS	P	90	85	90		87
	AUX. STEAM	150	150	150	150	150	150		S	90			90	87	
	BACK PRESSURE	11	11	11	11	11	11		PORT BOILER UPTAKE						
	GLAND STEAM	1.0	1.0	1.5	1	1.0	1.0		STBD. BOILER UPTAKE						
	H.P. BLEEDER	70	70	70	70	70	70		F. O. BACK PRESSURE						
	I.P. BLEEDER	9	9	9	9	9	9		MAIN STEAM	450	450	450	450	450	450
	L.P. BLEEDER	20	20	20	19	19	20		F.O. TO BURNERS	135	140	140	130	130	130
PRESSURES	STEAM AT THROTTLE	590	590	540	530	540	560	TEMPERATURES	MAIN COND. SALINITY	41	41	41	41	41	41
	L. P. EXHAUST	91	108	93	94	96	95		ENGINE ROOM TEMPERATURE	80	76	80	84	85	85
	CONDENSATE	96	76	92	93	97	98		FIRE ROOM TEMPERATURE						
	CIRC. WATER IN	52	52	61	64	68	67		NOZZLES IN USE	16	16	16	16	16	16
	CIRC. WATER OUT	76	68	75	76	82	80		P	3	1	3	3	3	3
	L.O. TO COOLERS	128	100	127	126	128	129		S	3	1	3	3	3	3
	L.O. FROM COOLERS	110	99	109	110	110	110		P	A	A	A	A	A	A
	TEMPERATURE THRUST BEARING	114		110	112	112	115		S	A	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING	121		121	120	123	123		CO ₂ % PORT BOILER						
	AFT. H.P. ROTOR BEARING	130		132	130	130	130		CO ₂ % STBD. BOILER						
	FORWARD L.P. ROTOR BEARING	131		126	130	132	129		OIL LEVEL MAIN SUMP	NORM. NORM. NORM. NORM. NORM. NORM.					
	AFT. L.P. ROTOR BEARING	124		124	124	124	124								
TEMPERATURES								PRESSURES							
MISCELLANEOUS								TEMPERATURES							

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED
1200 TO 1600	3	1200	450	570	8	132	110		70	1000	1000	240	8410/81120				
	4	1200	450	570	7	135	119		48	1000	1000	240	2300/4920				
1600 TO 2000	3	1200	450	570	8	132	110		70	950	950	240	6110/6200				
	4	1200	450	570	7	130	108		48	950	950	240	8277				
2000 TO 2400	3	1200	450	540	8	132	109		70	950	950	240	4900				
	4	1200	450	540	7	134	118		48	950	950	240	293/274				
2400 TO 0400	3	1200	450	530	8	135	114		70	1000	1000	240	13177				
	4	1200	450	550	7	130	124		48	1000	1000	240					
0400 TO 0800	3	1200	450	540	8	132	110		70	950	950	240					
	4	1200	450	540	7	136	123		48	950	950	240					
0800 TO 1200	3	1200	450	560	8	134	110		70	1000	1000	240					
	4	1200	450	560	7	138	124		48	1000	1000	240					
L.O. CENTRIFUGE - HOURS OPERATED												SUMMARY					
1200 TO 1600	4	4	4	4	4	4	4					RUNNING TIME		PROPELLER SLIP (%)			
1600 TO 2000	4	4	4	4	4	4	4					DETENTION TIME		BBL FUEL MI			
2000 TO 2400	4	4	4	4	4	4	4					TOTAL REVOLUTIONS		WIND DIRECTION			
2400 TO 0400	4	4	4	4	4	4	4					AVERAGE R.P.M.		STATE OF SEA			
0400 TO 0800	4	4	4	4	4	4	4					TOTAL MILES BY ENGINE		STATE OF WEATHER			
0800 TO 1200	4	4	4	4	4	4	4					TOTAL MILES BY OBSERVATION					

1200-1600 WATCH

Underway at 16 Nozr @ 1355 stby @ 70 RPM BOB. 1406 arrival
maneuvering as to per bell book. F.W.E. 1542 Cleaned L.O. strainer.

FOM (P. 1723230) (S-5775850)

WATCH ENGR'S SIGNATURE: *N. D. Hipping*

1600-2000 WATCH

MACH AS BEFORE. PREPARING TO LEAVE PORT. TIME & TELE CHECK @ 1800. RECEIVED
WHEEL CLEARANCE FROM BRIDGE @ 1825. ROLLED H.A. ENL @ 1830. SIBY @ 1837
BELLS AS PER BELLBOOK

WATCH ENGR'S SIGNATURE: *W. B. Benjamin*

2000-2400 WATCH

MANEUVERING - BELLS AS PER BELLBOOK - DEP @ 2000 - CTR. P. 56520340 -
CTR. S. 75319020 - FOM. P. 1723570 - FOM. S. 5776170 - @ 2009, 80 R.P.M. B/O B.
@ 2045 16 Noz. B/O B. - CHANGED & CLEANED F.O. SUCT. & DISCH. STRAINERS - CHANGED
& CLEANED L.O. STRAINERS #3 & #4 AUX. GEN - PUMPED BILGES -

WATCH ENGR'S SIGNATURE: *J. Kearon*

2400-0400 WATCH

Mach as before & Underway at 16 Nozr. 2000 hrs changed F.O. suction to #1 B/O
high suction. Cleaned discharge strainer from #1 strainer main unit.

FOM (P. 1725940) (S-5778560)

WATCH ENGR'S SIGNATURE: *N. D. Hipping*

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #4 BURNER & F.O. STRNRS. SEC'D AUX AIR
EJECTOR & AUX CIRC PUMP & CROSSED OVER TO THE MAIN AIR EJECTOR. & CIRC
SECURED COMP AIR. CROSSED OVER TO FWD E.R. COMPOUNDED #3 & #4 BURS & CONDENSATE.

WATCH ENGR'S SIGNATURE: *W. B. Benjamin*

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BOLLERS - CHANGED & CLEANED #6 F.O.
BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. -
SEC. HTG. STM. & DRAIN @ 1045 - PLUMBERS WORKING ON SAME - PUMPED BILGES -

WATCH ENGR'S SIGNATURE: *J. Kearon*

CHIEF ENGINEER

12-30-65 @ 0400
#3 #4

P 7.59 7.59

T 10.51 10.51

Gk 7.87 4.56

Phos 20 25

Stk Hrs 817 798

CHIEF ENGR'S SIGNATURE: *W. B. Benjamin*

USNS <i>General JOHN P. SPRE</i> <i>TAP 110</i>	VOYAGE NO.	FROM <i>Salsboro</i>	TO <i>SAN FRANCISCO</i>	TYPE OF VESSEL	DATE <i>30-31 Dec</i>
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		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		246	240	240	240	240	240	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD	140	137	138	138	138	140	
DETENTION TIME										HOTTEST GEAR BEARING AFT	136	140	136	136	138	136	
REVOLUTION COUNTER (END OF WATCH)		5662 2580	5664 9610	5667 1290	5669 2730	5671 4260	5673 5970	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		AUX. COND. CONDENSATE							
TOTAL REVOLUTIONS (FOR WATCH)		2720 562	2130 9264	21680	21440	21530	21710			1ST STAGE FEED WATER HEATER	150	150	153	150	151	157	
AVERAGE RPM		90.5	90.6	90.3	89.4	89.7	90.5	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		O. C. FEED WATER HEATER	238	238	238	238	238	240	
F.O. METER (END OF WATCH)		2310 9640	3610 30860	4910 2640	6130 3240	7360 34520	8560 5810			3RD STAGE FEED WATER HEATER							
F.O. CONSUMED		2660	2510	2450	2420	2510	2490	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		SUPER HEAT	P 560	570	560	560	570	570	
										S 560	570	560	560	570	570		
PRESSURES		THROTTLE	425	425	420	420	420	420	BOILER PARTICULARS TEMPERATURES		F.O. TO BURNERS	150	150	150	150	150	150
		H.P. AHEAD	425	425	420	420	420	420			AIR TO FURNACE	P 104	106	98	98	98	98
		L.P. AHEAD	18	18	18	18	18	18			S 100	102	98	95	95	96	
		VACUUM	29"	29"	29"	29"	29"	29"			F.O. TEMP. IN SETTLING TANKS	P 90					85
		L.O. TO TURBINES	12	13	13	13	13	13			S 90	80	80	104	84		
		AUX. STEAM	150	150	150	150	150	150			PORT BOILER UPTAKE						
		BACK PRESSURE	11	11	11	11	11	11			STBD. BOILER UPTAKE						
		GLAND STEAM	1.5	1.0	1.0	1.0	1.0	1.0			F.O. BACK PRESSURE						
		H.P. BLEEDER	70	70	70	70	70	70			MAIN STEAM	450	450	450	450	450	450
		L.P. BLEEDER	8	8	9	8	80	9			F.O. TO BURNERS	125	125	125	130	130	130
		L.P. BLEEDER	19	19	19	19	19	20									
TEMPERATURES		STEAM AT THROTTLE	560	570	560	560	570	570	MISCELLANEOUS		MAIN COND. SALINITY	41	41	41	41	41	41
		L. P. EXHAUST	96	97	95	95	97	93			ENGINE ROOM TEMPERATURE	86	87	81	81	81	80
		CONDENSATE	98	98	98	91	99	96			FIRE ROOM TEMPERATURE						
		CIRC. WATER IN	70	70	68	68	70	66			NOZZLES IN USE	16	16	16	16	16	16
		CIRC. WATER OUT	85	84	81	84	84	80			NO. OF BURNERS IN USE	P 3	3	3	3	3	3
		L.O. TO COOLERS	128	128	127	128	128	127			S 3	3	3	3	3	3	3
		L.O. FROM COOLERS	110	110	109	110	110	110			BURNER TIP SIZE	P A	A	A	A	A	A
		TEMPERATURE THRUST BEARING	115	114	114	114	113	113			S A	A	A	A	A	A	A
		FORWARD H.P. ROTOR BEARING	125	124	122	125	125	121			CO ₂ % PORT BOILER						
		AFT. H.P. ROTOR BEARING	130	130	130	130	130	130			CO ₂ % STBD. BOILER						
		FORWARD L.P. ROTOR BEARING	132	130	130	130	129	129			OIL LEVEL MAIN SUMP	NORM	NORM	NORM	NORM	NORM	NORM
AFT. L.P. ROTOR BEARING	128	126	128	130	126	124											

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL											
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL					
1200 TO 1600	3	1200	450	560	8	136	114		70	1200	1200	240	METER AT NOON	5810/8520		ON HAND AT START OF DAY		EVAPORATED OR RECEIVED						
	4	1200	450	560	7	138	124		48	1200	1200	240	METER PREVIOUS NOON	8410/1120		ON HAND		CONSUMED						
1600 TO 2000	3	1200	450	570	8	131	109		70	1200	1200	240	CONSUMED BY METER	7400/7440		ON HAND AT START OF DAY		RECEIVED DURING DAY						
	4	1200	450	570	7	142	125		48	1200	1200	240	ON HAND AT START OF DAY	13177		EXPENDED DURING DAY	353/337	RECEIVED						
2000 TO 2400	3	1200	450	560	8	132	110		70	900	900	240	REMAINING ON BOARD	12522		ON HAND		CONSUMED						
	4	1200	450	560	7	138	125		48	900	900	240	ON HAND AT START OF DAY	1324		EVAPORATED OR RECEIVED		ON HAND						
2400 TO 0400	3	1200	450	560	8	132	110		70	1200	1200	240	ON HAND	1357		ON HAND		RECEIVED						
	4	1200	450	560	7	137	130		48	1200	1200	240	CONSUMED			CONSUMED		CONSUMED						
0400 TO 0800	3	1200	450	570	8	132	112		70	900	900	240	LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)						L.O. CENTRIFUGE - HOURS OPERATED					
	4	1200	450	570	7	138	126		48	900	900	240												
0800 TO 1200	3	1200	450	570	8	132	110		70	900	900	240	1200 TO 1600						2400 TO 0400					
	4	1200	450	570	7	136	123		48	900	900	240	4						4					
													SUMMARY											
RUNNING TIME													241125		PROPELLER SLIP (%)									
DETENTION TIME															BBL FUEL/MI									
TOTAL REVOLUTIONS													13457		WIND DIRECTION									
AVERAGE R.P.M.													93.4		STATE OF SEA									
TOTAL MILES BY ENGINE													502		STATE OF WEATHER									
TOTAL MILES BY OBSERVATION													468											

L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>	<i>4</i>
SUMMARY					
RUNNING TIME	<i>241x25</i>	PROPELLER SLIP (%)			
DETENTION TIME		BBL FUEL MI			
TOTAL REVOLUTIONS	<i>13457</i>	WIND DIRECTION			
AVERAGE R.P.M.	<i>93.4</i>	STATE OF SEA			
TOTAL MILES BY ENGINE	<i>502</i>	STATE OF WEATHER			
TOTAL MILES BY OBSERVATION	<i>468</i>				

REMARKS

1200-1600 WATCH

Underway 44-16-00. Main engine operation, main unit & aux, #3 & 4 Turbo
 #3 & 4 Burners and #3 & 4 strainers. Secured elect. Aux pump & put it on
 pump on line. Changed a bleed discharge line to strainer F.O. Burner & main unit
 L.O. strainer, cleaned #2 F. Burner. Drove strainers to suction 7. 04 Bd. Heating system
 on 5. 04 Bd. 1512 & Fire TRILL. 1512 & 1522 secured & main Fire & oil burner down 1512 & 1522
 1512 & 1522 secured from fueling & back to full.

FM (R1729647) (15-5782751)

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

WACH AS BEFORE. BLEW TUBES #3 & 4 BERS CLEANED & CLEANED #3 BURNER &
 HOT OIL STIRNRS

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

WACH AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. & DISCH. STRAINERS -
 CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - COMPLIED WITH STANDING & NIGHT
 ORDERS - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Underway 44-16-11 2000 hours before, cleaned #1 F.O. burner & F.O. discharge
 strainer.

FM (R1733240) (15-5786130)

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

WACH AS BEFORE. CLEANED & CLEANED #4 BURNER & F.O. STRAINERS

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

WACH AS BEFORE - BLEW TUBES #3 & #4 BOLLERS - CHANGED & CLEANED #6 F.O. BURNER
 & DISCH. STRAINERS - DRAINED L.O. FROM #2 F.W. PUMP & REFILLED WITH NEW OIL - CHANGED &
 CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

12-31-65 @ 0400

#3 #4

P 7.59 7.59

T 10.51 10.51

Ch 7.46 5.39

P 4.05 4.0

SM 4.05 8.41 8.22

CHIEF ENGR'S SIGNATURE

REMARKS

1200-1600 WATCH

Monday 14 1600-2000 changed & cleaned #3 & #4 Tubes Gen. & Aux. 2nd & 3rd Boilers. Aux. shifted to suction To cut Bo high 1200 hr changed & cleaned #3 & #4 F.O. burners & F.O. discharge & suction strainers. Cleaned L.O. purifier. Traces of F.O. showing in contaminants. vup sight glass. Added 5 gal L.O. to #3 & #4 main F.O. pump.

(P-1737050) (S-5784760)

WATCH ENGR'S SIGNATURE- M. J. Hipping

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & #4 BOILERS. CHANGED #3 & #4 BURNERS & HOT OIL STRAINERS. SEC'D PURIFIER @ 1800 BECAUSE STEAM TRAP WAS MALFUNCTIONING OVERHAULED SAME

2000-2400 WATCH

WATCH ENGR'S SIGNATURE- W. Benjamin

MACH AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. + DISCH. STRAINERS. INSTALLED DRAIN TRAP & HIT OFF L.O. PURIFIER @ 2200 - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. - HELD ENG. CASUALTY DRILL #E-6 2100 TO 2130 - INST. WATCH - N/B. - ADVANCED CLOCK 20 MIN. @ 2300 - PUMPED BILGES -

2400-0400 WATCH

WATCH ENGR'S SIGNATURE- J. Seaton

Monday 14 0400-0800 changed & cleaned #1 F.O. burner & F.O. discharge strainer. Cleaned L.O. strainer main unit. Held Casualty Drill #E-6 0730 to 0750 hrs & non punct. Shifted to suction To Inba. high at 2400 hr.

(P-1740660) (S-5793260)

WATCH ENGR'S SIGNATURE- M. J. Hipping

0400-0800 WATCH

MACH AS BEFORE. CHANGED & CLEANED #3 BURNER & F.O. STRAINERS. HELD ENG CASUALTY DRILL E-6 AMONG WATCH PERSONNEL. ADVANCED CLOCK 20 mins @ 0500 COMPOUNDED #3 & #4 BOILERS

0800-1200 WATCH

WATCH ENGR'S SIGNATURE- W. Benjamin

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 -

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE- J. Seaton

1-1-66 @ 0400

#3 #4

P 7.01 6.13

T 9.93 8.76

H 6.21 6.21

P/O 30 30

SM 4.85 8.64 8.45

CHIEF ENGR'S SIGNATURE- W. Benjamin

USNS General JOHN P. SPO TAP 110	VOYAGE NO.	FROM Sasebo Japan	TO San Francisco Calif	TYPE OF VESSEL	DATE 1-2 Jan 66
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	WATCH							WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240	MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD	140	140	140	140	140
DETENTION TIME								HOTTEST GEAR BEARING AFT	136	138	138	136	138
REVOLUTION COUNTER (END OF WATCH)	5686	5690	5692	5694	5697	5699		AUX. COND. CONDENSATE	114	112	114	112	114
TOTAL REVOLUTIONS (FOR WATCH)	22000	22030	22110	22140	22100	22100		1ST STAGE FEED WATER HEATER	148	148	146	145	146
AVERAGE RPM	91.7	91.8	92.1	92.3	92.1	92.1		D. C. FEED WATER HEATER	238	238	238	238	238
F.O. METER (END OF WATCH)	4330	5590	6820	8020	9260	50490		3RD STAGE FEED WATER HEATER					
F.O. CONSUMED	2450	2530	2460	2410	2500	2500		SUPER HEAT P	560	560	570	570	570
PRESSURES	THROTTLE	420	420	420	420	420		SUPER HEAT S	560	560	570	570	570
	H.P. AHEAD	420	420	420	420	420		F.O. TO BURNERS	170	180	180	180	180
	L.P. AHEAD	18	18	17	18	18		AIR TO FURNACE P	103	102	102	102	100
	VACUUM	29"	29.5"	29.5"	29"	29.5"		AIR TO FURNACE S	100	100	100	102	105
	L.O. TO TURBINES	13	13	13	13	13		F.O. TEMP. IN SETTLING TANKS P	120	92	85	90	84
	AUX. STEAM	150	150	150	150	150		F.O. TEMP. IN SETTLING TANKS S					
	BACK PRESSURE	11	11	11	11	11		PORT BOILER UPTAKE					
	GLAND STEAM	1.0	1.0	1.0	1.0	1.0		STBD. BOILER UPTAKE					
	H.P. BLEEDER	70	70	70	70	70		F. O. BACK PRESSURE					
	I.P. BLEEDER	8	8	9	9	9		MAIN STEAM	455	450	450	450	450
TEMPERATURES	L.P. BLEEDER	18"	18"	20"	20"	20"	MISCELLANEOUS	F.O. TO BURNERS	150	150	130	130	120
	STEAM AT THROTTLE	560	560	570	570	570		MAIN COND. SALINITY	41	41	41	41	41
	L. P. EXHAUST	94	93	93	96	95		ENGINE ROOM TEMPERATURE	84	86	86	87	88
	CONDENSATE	97	90	92	92	92		FIRE ROOM TEMPERATURE					
	CIRC. WATER IN	65	58	60	62	60		NOZZLES IN USE	16	16	16	16	16
	CIRC. WATER OUT	78	74	74	76	76		NO. OF BURNERS IN USE P	3	3	3	3	3
	L.O. TO COOLERS	128	127	129	130	128		NO. OF BURNERS IN USE S	3	3	3	3	3
	L.O. FROM COOLERS	110	110	110	110	110		BURNER TIP SIZE P	A	A	A	A	A
	TEMPERATURE THRUST BEARING	112	111	112	116	112		BURNER TIP SIZE S	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING	125	124	124	125	123		CO ₂ % PORT BOILER					
PRESSURES	AFT. H.P. ROTOR BEARING	130	130	130	130	130	MISCELLANEOUS	CO ₂ % STBD. BOILER					
	FORWARD L.P. ROTOR BEARING	130	131	131	132	131		OIL LEVEL MAIN SUMP	NORM	NORM	NORM	NORM	NORM
	AFT. L.P. ROTOR BEARING	126	126	126	130	126							

GENERATORS													FUEL - WATER AND LUBE OIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL			BOILER WATER		LUBE OIL		DIESEL OIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
													METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	RECEIVED	CONSUMED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
1200 TO 1600	3	1200	450	560	8	130	110		70	1200	1200	240		58496/3100	3130/5660	73667500	11891																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

REMARKS

1200-1600 WATCH

Underway 44 164522. Main Unit a/c #3 & 4 Turbo Gen a/c and #3 & 4 Ballast a/c. Second Steam Pump put out 100 gpm on line 14 31 hrs. Utility man installed regulation on unattended cap pump. Shifted F.C. section to High until 1200 hrs.

F.M. (R 1744330) (S-5796910)

WATCH ENGR'S SIGNATURE - H.D. Hipping

1600-2000 WATCH

MACH. AS BEFORE. CHANGED & CLEANED #4 BURNER & F.O. OIL STRAINERS BILGES #3 & 4 BILGES.

WATCH ENGR'S SIGNATURE - W. B. [Signature]

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #6 BURNER + SUCT. + DISCH. STRAINERS - ADDED 5 GAL. L.O. TO #4 MN. FEED PUMP - CHANGED & CLEANED L.O. STRAINERS #3 & 4 AUX. GEN. - PUMPED BILGES -

WATCH ENGR'S SIGNATURE - J. Seaton

2400-0400 WATCH

Underway 44 164522. MACH. AS BEFORE - CHANGED & CLEANED L.O. STRAINERS main unit. CHANGED & CLEANED #1 F.C. BURNER & F.C. DISCHARGE STRAINERS.

F.M. (R 1748020) (S-5800630)

WATCH ENGR'S SIGNATURE - H.D. Hipping

0400-0800 WATCH

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

WATCH ENGR'S SIGNATURE - W. B. [Signature]

0800-1200 WATCH

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

WATCH ENGR'S SIGNATURE - J. Seaton

CHIEF ENGINEER

1-2-65 @ 0400
#3 #4

P 7.59 8.76

T 9.93 11.68

C/L 6.63 7.04

R/L 25 25

STOP HRS 869-888

CHIEF ENGR'S SIGNATURE - [Signature]

USNS General JOHNN POPE TAP 110	VOYAGE NO.	FROM SHASEBO Japan	TO SAN FRANCISCO, Calif	TYPE OF VESSEL	DATE 2 Jan 25 Jan 66
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		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME		240	240	220	220	220	240	MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD	140	138	140	140	138	142	
DETENTION TIME										HOTTEST GEAR BEARING AFT	136	136	130	136	140	136	
REVOLUTION COUNTER (END OF WATCH)		5701 6080	5703 6060	5705 6150	5707 6730	5709 6890	5712 6690			AUX. COND. CONDENSATE	M	M	M	M	M	M	
TOTAL REVOLUTIONS (FOR WATCH)		22230	21980	20370	20280	20160	21800			1ST STAGE FEED WATER HEATER	147	147	146	147	148	146	
AVERAGE RPM		92.6	91.6	92.7	92.2	91.6	90.8			D. C. FEED WATER HEATER	240	239	240	239	238	238	
F.O. METER (END OF WATCH)		1710 4380	2940 5650	4040 6700	5100 7930	6200 9100	7410 10430			3RD STAGE FEED WATER HEATER							
F.O. CONSUMED		2440	2500	2150	2290	2270	3540			BOILER PARTICULARS TEMPERATURES PRESSURES		SUPER HEAT	P 570 S 570	570 570	570 570	570 570	560 560
PRESSURES		THROTTLE	425	420	425	425	425	F.O. TO BURNERS	180			180	180	180	180	180	
		H.P. AHEAD	425	420	425	425	425	425	AIR TO FURNACE			P 110 S 106	108 106	108 106	108 106	108 108	
		L.P. AHEAD	18	18	18	18	18	13	F.O. TEMP. IN SETTLING TANKS			P 80 S 88	85 90	90 93	93 90	90	
		VACUUM	29"	29.5"	29.5"	29"	29.5"	29"	PORT BOILER UPTAKE								
		L.O. TO TURBINES	13	13	13	13	13	13	STBD. BOILER UPTAKE								
		AUX. STEAM	150	150	150	150	150	150	F. O. BACK PRESSURE								
		BACK PRESSURE	10	10	11	11	11	11	MAIN STEAM			450	450	450	450	450	450
		GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0	F.O. TO BURNERS			120	130	130	130	450	125
		H.P. BLEEDER	70	70	70	70	70	70	ENGINE ROOM TEMPERATURE			90	90	90	90	87	90
		I.P. BLEEDER	8	8	9	9	9	9	FIRE ROOM TEMPERATURE								
		L.P. BLEEDER	20"	20"	20	20	20	20"	NOZZLES IN USE			16	16	16	16	16	16
TEMPERATURES		STEAM AT THROTTLE	570	570	570	570	570	560	NO. OF BURNERS IN USE	P 3 S 3	3 3	3 3	3 3	3 3	3		
		L. P. EXHAUST	96	98	96	96	98	99	BURNER TIP SIZE	P A S A	A A	A A	A A	A A	A		
		CONDENSATE	95	94	91	94	95	92	CO ₂ % PORT BOILER								
		CIRC. WATER IN	63	64	59	64	64	65	CO ₂ % STBD. BOILER								
		CIRC. WATER OUT	78	76	75	76	80	77	OIL LEVEL MAIN SUMP	NORM	NORM	NORM	NORM	NORM	NORM		
		L.O. TO COOLERS	128	127	127	128	128	128									
		L.O. FROM COOLERS	110	110	109	110	110	110									
		TEMPERATURE THRUST BEARING	114	112	112	115	112	114									
		FORWARD H.P. ROTOR BEARING	143	123	124	125	124	123									
		AFT. H.P. ROTOR BEARING	130	130	130	134	132	132									
		FORWARD L.P. ROTOR BEARING	132	131	130	132	131	128									
AFT. L.P. ROTOR BEARING	130	126	126	130	128	126											

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	3	1200	450	570	8	134	112		70	1000	1000	7410	60430	6920			
	4	1200	450	570	7	138	126		78	1000	1000	321	3160	7270			
1600 TO 2000	3	1200	450	570	8	132	110		70	950	950	11235					
	4	1200	450	570	7	140	126		78	950	950						
2000 TO 2400	3	1200	450	570	8	132	108		70	950	950						
	4	1200	450	570	7	138	125		78	950	950						
2400 TO 0400																	
0400 TO 0800	3	1200	450	570	8	130	108		70	900	900						
	4	1200	450	570	7	142	125		78	900	900						
0800 TO 1200	3	1200	450	570	8	132	110		70	1000	1000						
	4	1200	450	570	8	140	125		78	1000	1000						
												L.O. CENTRIFUGE - HOURS OPERATED					
												1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
												4	4	3.40	3.40	3 3/4	4
												SUMMARY					
												RUNNING TIME	20 HRS 5	PROPELLER SLIP (%)			
												DETENTION TIME		BBL FUEL MI			
												TOTAL REVOLUTIONS	12684	WIND DIRECTION			
												AVERAGE R.P.M.	91.9	STATE OF SEA			
												TOTAL MILES BY ENGINE	473	STATE OF WEATHER			
												TOTAL MILES BY OBSERVATION	408				

REMARKS

1200-1600 WATCH

Continuing LH-16 VZ2. Shifted FC section to outboard 1200 hrs. Main
 continuity operating. 3114 Submergency #364 Boiler aux. Cleaned L.T. pump
 at pump & changed #2 FC burner & discharge section L.O. strainers.

FORM P-1751710 115-5804380

WATCH ENGR'S SIGNATURE

ND Ripping

1600-2000 WATCH

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

WATCH ENGR'S SIGNATURE

W. R. Ripping

2000-2400 WATCH

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

WATCH ENGR'S SIGNATURE

J. Seaton

2400-0400 WATCH

Continuing LH-16 VZ2. Main in operation as before. Changed and
 cleaned #5 FC burner & FC discharge strainer. Cleaned L.O. strainer manifold.

WATCH ENGR'S SIGNATURE

ND Ripping

0400-0800 WATCH

MACH. AS BEFORE. CHANGED & CLEANED #3 BURNER & F.O. STRNRS. COMPOUNDED #3 & 4
 BLRS. ADVANCED CLOCK 20 mins @ 0500

WATCH ENGR'S SIGNATURE

W. R. Ripping

0800-1200 WATCH

MACH. AS BEFORE. BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED F.O. #8,
 #6 F.O. BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. -
 SEC. HEATING STM. @ 1045 - PLUMBERS WORKING ON SYSTEM - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

J. Seaton

CHIEF ENGINEER

1-3-66 @ 0400
 #3 #4

P 701 8.18

T 9.35 12.26

C/L 6.21 7.04

R/05 25 25

SM/ HRS 911 892

CHIEF ENGR'S SIGNATURE

W. R. Ripping

		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
MACHINERY PARTICULARS	RUNNING TIME	240	240	240	240	240	240	MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD	142	140	140	140	138	140
	DETENTION TIME								HOTTEST GEAR BEARING AFT	136	138	136	136	138	136
	REVOLUTION COUNTER (END OF WATCH)	5714 2546	5716 4300	5718 5930	5720 7590	5722 9300	5725 0760		AUX. COND. CONDENSATE	mm	mm	mm	mm	mm	mm
	TOTAL REVOLUTIONS (FOR WATCH)	21850	21760	21630	21760	21610	21660		1ST STAGE FEED WATER HEATER	143	146	142	138	138	144
	AVERAGE RPM	91.1	90.7	90.1	90.7	90.1	90.3		D. C. FEED WATER HEATER	238	238	238	233	236	238
	F.O. METER (END OF WATCH)	8420 1670	9850 2960	6110 4220	2350 5420	6360 6640	4890 7870		3RD STAGE FEED WATER HEATER						
	F.O. CONSUMED	2430	2520	2520	2440	2510	2480		SUPER HEAT	P 570 S 570	570 570	560 560	560 560	570 570	560 560
	THROTTLE	425	420	420	420	420	420		F.O. TO BURNERS	180	180	180	180	180	180
	H.P. AHEAD	455	420	420	420	420	420		AIR TO FURNACE	P 109 S 107	109 107	108 106	108 105	107 104	106 106
	L.P. AHEAD	18	25	13	13	13	13		F.O. TEMP. IN SETTLING TANKS	P 85 S 90	90 115	105 105	93 93	140 140	
PRESSURES	VACUUM	28"	29.5"	29"	29"	29.5"	29.5"	BOILER PARTICULARS	PORT BOILER UPTAKE						
	L.O. TO TURBINES	13	13	13	13	13	13		STBD. BOILER UPTAKE						
	AUX. STEAM	150	150	150	150	150	150		F.O. BACK PRESSURE						
	BACK PRESSURE	11	11	11	11	11	11		MAIN STEAM	450	450	450	450	450	450
	GLAND STEAM	1.0	1.5	1.0	1.0	1.0	1.0		F.O. TO BURNERS	130	130	135	135	130	130
	H.P. BLEEDER	70	70	70	70	70	70		MAIN COND. SALINITY	41	41	41	41	41	41
	L.P. BLEEDER	8	8	9	9	9	9		ENGINE ROOM TEMPERATURE	90	90	88	87	87	86
	L.P. BLEEDER	19"	20"	20"	19"	20"	20"		FIRE ROOM TEMPERATURE						
	STEAM AT THROTTLE	570	570	560	560	570	560		NOZZLES IN USE	16	16	16	16	16	16
	L. P. EXHAUST	95	99	99	100	98	98		NO. OF BURNERS IN USE	P 3 S 3	3 3	3 3	3 3	3 3	3 3
TEMPERATURES	CONDENSATE	95	92	92	91	88	92	MISCELLANEOUS	BURNER TIP SIZE	P A S A	A A	A A	A A	A A	A A
	CIRC. WATER IN	68	62	64	64	60	65		CO ₂ % PORT BOILER						
	CIRC. WATER OUT	70	77	76	76	74	76		CO ₂ % STBD. BOILER						
	L.O. TO COOLERS	123	127	128	126	127	128		OIL LEVEL MAIN SUMP						
	L.O. FROM COOLERS	110	110	111	110	110	110								
	TEMPERATURE THRUST BEARING	125	113	115	115	112	114								
	FORWARD H.P. ROTOR BEARING	130	124	124	125	124	124								
	AFT. H.P. ROTOR BEARING	138	132	131	130	130	130								
	FORWARD L.P. ROTOR BEARING	132	129	130	127	129	139								
	AFT. L.P. ROTOR BEARING	130	126	126	130	125	125								

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	570	8	130	111		70	1200	1200	240	METER AT NOON	4890/7870	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED	
	4	1200	450	570	8	131	121		48	1200	1200	240	METER PREVIOUS NOON	7410/10430	ON HAND		CONSUMED	
1600 TO 2000	3	1200	450	570	8	131	110		70	1000	1000	240	CONSUMED BY METER	7480/17440	ON HAND AT START OF DAY		RECEIVED DURING DAY	
	4	1200	450	570	7	140	125		48	1000	1000	240	ON HAND AT START OF DAY	100008	EXPENDED DURING DAY	337/012	REMAINING ON BOARD	9959
2000 TO 2400	3	1200	450	560	8	131	109		70	1000	1000	240	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		ON HAND	
	4	1200	450	560	8	140	125		48	1000	1000	240	ON HAND		ON HAND		RECEIVED	
2400 TO 0400	3	1200	450	560	8	130	110		70	950	950	240	CONSUMED		ON HAND		CONSUMED	
	4	1200	450	560	7	140	125		48	950	950	240	ON HAND		ON HAND		RECEIVED	
0400 TO 0800	3	1200	450	570	8	130	110		70	950	950	240	CONSUMED		ON HAND		CONSUMED	
	4	1200	450	570	7	142	125		48	950	950	240	ON HAND		ON HAND		RECEIVED	
0800 TO 1200	3	1200	450	560	8	132	110		70	950	950	240	CONSUMED		ON HAND		CONSUMED	
	4	1200	450	560	8	142	125		48	950	950	240	ON HAND		ON HAND		RECEIVED	
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																		
L.O. CENTRIFUGE - HOURS OPERATED																		
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
													4	4	4	4	4	4
SUMMARY																		
RUNNING TIME													24 HRS		PROPELLER SLIP (%)			
DETENTION TIME															BBL FUEL MI			
TOTAL REVOLUTIONS													13027		WIND DIRECTION			
AVERAGE R.P.M.													90.46		STATE OF SEA			
TOTAL MILES BY ENGINE													445		STATE OF WEATHER			
TOTAL MILES BY OBSERVATION													445					

1200-1600 WATCH

Continued 14/16 Nov 22, Main plant & aux #3 & 4 boilers #3 & 4 Turbines
 changed & cleaned #1 & 2 F.O. burners & F.O. discharge & F.O. suction strainers & cooled sya
 to #4 main F.O. pump.

F.M. (R1758620 15-5811670)

WATCH ENGR'S SIGNATURE

H. D. Kipping

1600-2000 WATCH

MACH AS BEFORE. BLEW TUBES #3 & 4 BURNERS CHANGED & CLEANED #4 BURNER & HOT
 OIL STRAINERS.

WATCH ENGR'S SIGNATURE

W. J. Seaton

2000-2400 WATCH

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

WATCH ENGR'S SIGNATURE

J. Seaton

2400-0400 WATCH

Mach. was changed & cleaned #5 burner & discharge strainer & main
 unit & strainer.

F.M. (R1762750 15-5815425)

WATCH ENGR'S SIGNATURE

H. D. Kipping

0400-0800 WATCH

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

WATCH ENGR'S SIGNATURE

W. J. Seaton

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & 4 BOILERS - CHANGED & CLEANED #5 F.O.
 BURNER & DISCH. STRAINERS - SEC. HTG. STM. @ 0830 FOR PLUMBERS - ADDED 6 GAL. L.O.
 TO #4 MN. F.O. PUMP - ELECT. SEC. POWER TO ENG. ORDER TELEGRAPH @ 0905 - PUMPED BILGES -

WATCH ENGR'S SIGNATURE

J. Seaton

CHIEF ENGINEER

1-4-68 @ 0100
 #3 #4

P 7.01 8.18

T 9.35 12.26

OK 6.43 8.29

Pls 35 40

SMH HRS 935-916

CHIEF ENGR'S SIGNATURE

W. J. Seaton

R-176
S-581

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	220	230	220	240	MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD	140	140	140	140	140	140
DETENTION TIME									HOTTEST GEAR BEARING AFT	136	136	134	136	138	136
REVOLUTION COUNTER (END OF WATCH)		5727	5729	5731	5703	5735	5737		AUX. COND. CONDENSATE						
TOTAL REVOLUTIONS (FOR WATCH)		2230	2240	20230	20290	20330	22180		1ST STAGE FEED WATER HEATER	140	147	148	145	147	146
AVERAGE RPM		91.8	91.7	92.0	92.2	92.4	92.4		D. C. FEED WATER HEATER	240	238	238	238	238	240
F.O. METER (END OF WATCH)		6130	7380	8490	9570	10680	1950		3RD STAGE FEED WATER HEATER						
F.O. CONSUMED		2470	2490	2240	2210	2230	2540		SUPER HEAT	P	580	580	580	600	570
PRESSURES	THROTTLE	420	425	420	420	420	420	BOILER PARTICULARS (CONT'D)	S	580	580	580	600	600	570
	H.P. AHEAD	420	425	420	420	420	420		F.O. TO BURNERS		180	180	180	180	180
	L.P. AHEAD	18	17	18	18	17	18		AIR TO FURNACE	P	107	107	104	104	104
	VACUUM	29"	29.5"	29.5"	29.5"	29.5"	29.5"		S	105	105	104	104	104	104
	L.O. TO TURBINES	13	13	13	13	13	13		F.O. TEMP. IN SETTLING TANKS	P			110	110	108
	AUX. STEAM	150	150	150	150	150	150		S	110	101	106			
	BACK PRESSURE	11	11	11	11	11	11		PORT BOILER UPTAKE						
	GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0		STBD. BOILER UPTAKE						
	H.P. BLEEDER	70	70	70	70	70	70		F. O. BACK PRESSURE						
	L.P. BLEEDER	8	8	9	9	9	9		MAIN STEAM		450	450	450	450	450
TEMPERATURES	STEAM AT THROTTLE	580	580	580	600	600	570	MISCELLANEOUS	F.O. TO BURNERS		130	130	120	125	130
	L. P. EXHAUST	100	98	96	96	96	96		MAIN COND. SALINITY		41	41	41	41	41
	CONDENSATE	94	95	94	94	90	90		ENGINE ROOM TEMPERATURE		87	85	84	84	83
	CIRC. WATER IN	65	63	62	62	61	60		FIRE ROOM TEMPERATURE						
	CIRC. WATER OUT	78	78	76	80	76	76		NOZZLES IN USE		16	16	16	16	16
	L.O. TO COOLERS	128	128	128	130	125	129		NO. OF BURNERS IN USE	P	3	3	3	3	3
	L.O. FROM COOLERS	110	110	110	110	110	110		S	3	3	3	3	3	3
	TEMPERATURE THRUST BEARING	114	112	115	117	112	114		BURNER TIP SIZE	P	A	A	A	A	A
	FORWARD H.P. ROTOR BEARING	124	124	123	125	124	122		S	A	A	A	A	A	A
	AFT. H.P. ROTOR BEARING	130	130	128	130	130	130		CO ₂ % PORT BOILER						
PRESSURES	FORWARD L.P. ROTOR BEARING	130	130	129	130	130	130	MISCELLANEOUS	CO ₂ % STBD. BOILER						
	AFT. L.P. ROTOR BEARING	125	126	126	126	125	126		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	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)			
1200 TO 1600	3	1200	450	570	8	130	110		70	900	900	240	METER AT NOON	1950/4970	ON HAND AT START OF DAY			
	4	1200	450	580	8	140	125		48	900	900	240	METER PREVIOUS NOON	1890/7870	EVAPORATED OR RECEIVED			
1600 TO 2000	3	1200	450	580	8	132	110		70	900	900	240	CONSUMED BY METER	7060/7100	ON HAND			
	4	1200	450	580	7	140	125		48	900	900	240	ON HAND AT START OF DAY	9959	CONSUMED			
2000 TO 2400	3	1200	450	580	8	130	110		70	900	900	240	RECEIVED DURING DAY		ON HAND AT START OF DAY			
	4	1200	450	580	8	140	125		48	900	900	240	EXPENDED DURING DAY	320/299	RECEIVED			
2400 TO 0400	3	1200	450	600	8	132	110		70	900	900	240	REMAINING ON BOARD	9340	ON HAND			
	4	1200	450	600	7	139	125		48	900	900	240	ON HAND AT START OF DAY		CONSUMED			
0400 TO 0800	3	1200	450	600	8	130	110		70	900	900	240	EVAPORATED OR RECEIVED		ON HAND			
	4	1200	450	600	7	140	125		48	900	900	240	ON HAND		RECEIVED			
0800 TO 1200	3	1200	450	570	8	132	110		70	950	950	240	CONSUMED		CONSUMED			
	4	1200	450	570	8	138	125		48	950	950	240						
L.O. CENTRIFUGE - HOURS OPERATED												SUMMARY						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	RUNNING TIME		PROPELLER SLIP (%)		DETENTION TIME		BBL FUEL MI				
		4	4	3:40	3:40	3:40	4	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

Recommencing 44-16422 Main Unit & Out, = 804. worked & out, #364 Turbo
Gen & out. Changed & cleaned #1 burner & F.O. discharge & suction strainers.
Cleaned L.O. pump. Pumped Bilges even bilges.

FOUR (P1766130) (S-5819100)

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACH AS BEFORE. CHANGED & CLEANED #4 BURNER & HOT OIL STRAINERS
BLEW TUBES #3 & 4 BILGES.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. AS BEFORE - CHANGED & CLEANED #5 F.O. BURNER & SUCT. & DISCH. STRAINERS -
CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN - ADVANCED CLOCK 10 MIN. @ 2300 -
PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE, CHANGED & CLEANED F.O. discharge strainer & #1 F.O. burner.
Cleaned main unit L.O. strainer.

FOUR (P1769570) (S-5822600)

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

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

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. AS BEFORE - BLEW TUBES #3 & #4 BOILERS - CHANGED & CLEANED #6 F.O.
BURNER & DISCH. STRAINERS - CHANGED & CLEANED L.O. STRAINERS #3 & #4 AUX. GEN. -
TESTED ENG. ORDER TELEGRAPH @ 0905 - O.K. - 7/3 @ 1015 - STEER CASUALTY DRILL - HT @ 1028 -
PUMPERS SEC. H. WATER TO 3RD DECK @ 1035 - PUMPED BILGES -

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

P-4-66 @ 0400
#3 #4

P 6.43 701

T 8.76 993

OK 6.63 8.70

R 30 30

SOL 1/RS 958-939

CHIEF ENGR'S SIGNATURE-