USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP110	6-F	QUE NHAN	SAN FRANCISCO	P-2	12-18-19-66

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	220	220	220	220
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1659 9360	1662 1450	1664 1740	1666 2350	1668 2780	1670 5140
TOTAL REVOLUTIONS (FOR WATCH)		22540	22090	20290	20610	20430	22360
AVERAGE RPM		93.9	92.0	92.2	93.7	92.8	93.2
F.O. METER (END OF WATCH)		1105 1160	1105 3900	1105 6500	1105 9030	1106 1550	1106 4400
F.O. CONSUMED		2780	2740	2600	2530	2520	2850
MACHINERY PARTICULARS — PRESSURES	THROTTLE	420	420	420	420	420	420
	H.P. AHEAD	420	420	420	420	420	420
	L.P. AHEAD	21	22	22	21	21	21
	VACUUM	28.7	28.6	28.6	28.6	28.6	28.6
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
	AUX. STEAM	135	135	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	0	0	2	0	0	0
	H.P. BLEEDER	60	60	60	60	60	60
	I.P. BLEEDER	9	9	9	9	9	9
	L.P. BLEEDER	11"	11"	11"	11"	11"	11"
MACHINERY PARTICULARS — TEMPERATURES	STEAM AT THROTTLE	710	720	720	720	720	720
	L.P. EXHAUST	114	114	116	112	116	116
	CONDENSATE	108	110	108	108	110	110
	CIRC. WATER IN	78	83	82	86	83	80
	CIRC. WATER OUT	90	94	94	92	94	96
	L.O. TO COOLERS	124	128	126	126	128	128
	L.O. FROM COOLERS	110	110	110	110	110	110
	TEMPERATURE THRUST BEARING	115	115	115	115	115	115
	FORWARD H.P. ROTOR BEARING	120	125	122	120	125	122

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	130	132	132	130	132	132
	FORWARD L. P. ROTOR BEARING	130	130	130	130	130	128
	AFT. L.P. ROTOR BEARING						
	HOTTEST GEAR BEARING FORWARD	144	148	148	146	148	148
	HOTTEST GEAR BEARING AFT	140	140	140	138	142	140
	AUX. COND. CONDENSATE	106	110	110	108	108	108
	1ST STAGE FEED WATER HEATER	170	170	170	170	175	175
	O. C. FEED WATER HEATER	238	238	238	238	238	235
	3RD STAGE FEED WATER HEATER	~~770~~ HTS					
BOILER PARTICULARS — TEMPERATURES	F.O. TO BURNERS	120	120	120	115	120	120
	F. O. BACK PRESSURE	0	0	0	0	0	
	AIR TO FURNACE	4"	4"	4"	4"	4"	4"
	UPTAKE						
	MAIN STEAM	460	460	460	460	460	460
	SUPER HEAT	710	720	720	720	720	720
BOILER PARTICULARS — PRESSURES	F.O. TO BURNERS	150	150	150	150	150	150
	F.O. TEMP. IN SETTLING TANKS	100/100	106/95	100/90	100/100	102/100	102/100
	PORT BOILER UPTAKE	295	290	295	295	300	295
	STBD. BOILER UPTAKE	295	290	295	300	310	295
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	98	98	99	99	101	101
	FIRE ROOM TEMPERATURE	98	98	99	99	101	101
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
	CO_2 % PORT BOILER		83			83	
	CO_2 % STBD. BOILER		83			83	
	OIL LEVEL MAIN SUMP	2'7"	2'7"	2'7"	2'7"	2'7"	2'7"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	710	8	132	110		62	1300	1300	235
	4	1200	450	710	10	140	120		42	1300	1300	235
1600 TO 2000	3	1200	450	720	8	134	114		62	1300	1300	235
	4	1200	450	720	10	145	124		42	1300	1300	235
2000 TO 2400	3	1200	450	720	8	134	116		62	1300	1300	235
	4	1200	450	720	10	140	124		42	1300	1300	235
2400 TO 0400	3	1200	450	720	8	130	110		62	1250	1250	235
	4	1200	450	720	10	140	120		42	1250	1250	235
0400 TO 0800	3	1200	450	720	8	134	114		62	1300	1300	235
	4	1200	450	720	10	145	124		42	1300	1300	235
0800 TO 1200	3	1200	450	720	8	134	114		63	1350	1350	235
	4	1200	450	720	10	142	124		42	1350	1350	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1106440	BOILER WATER	ON HAND AT START OF DAY
	METER PREVIOUS NOON	1104880		EVAPORATED OR RECEIVED
	CONSUMED BY METER	16,020		ON HAND
	ON HAND AT START OF DAY			CONSUMED
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY
	EXPENDED DURING DAY			RECEIVED
	REMAINING ON BOARD			ON HAND
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	3 3/4	3 1/4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

Underway MN Eng on 18 Nozzles, #3-4 boilers, 3-4 Fd Pumps, 3-4 F.D. blowers, 3-4 F.O Service Pumps, 3-4 F.O. heaters, 3-4 Gen, Aux Air Ejector, Circulator & Cond Pump, Main Air Ejector, Circulator & #3 Main Cond Pump, #2 Main Lube oil Pump, #2 Main Air Compressor #2 Stm F.W. Pump, Changed #2 Atomizer, Cleaned Stbd Strainer, Rounds & insp of Mach Spaces, Normal Steaming Watch.

WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE.
BLEW TUBES #3 & #4 BOILERS, CHANGED & CLEANED #4 BURNER ATOMIZER.
PUMPED BILGES., CLEANED F.O. SUCTION STRAINER.
ROOTINE STEAMING WATCH.

MAIN + AUX. COND. -2 G/G.

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH

MAG AS BEFORE CLANLED #4 BURNER & FO. DISC STRNR
PUMPED UP SETTLERS FROM 2P/S DB
ADVANCED CLOCK 20 mins @ 2240

FEED TK 83 L/L

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

UNDERWAY AS BEFORE 18 NOZZLES, MACHINERY IN USE AS BEFORE EXCEPT #2 MAIN AIR ~~EJEC~~ HTS COMPRESSOR SECURED, CHECKED ALL MACHINERY, CLEANED #2 ATOMIZER & Stbd F.O. STRAINER, CLEANED L.O. CENTERIFUGE BOWL, 0130 TO 0200 HELD B-8 ENG CASUALTY DRILL, CARRIED OUT REGULAR UNDERWAY WATCH ROUTINE AND ALL STANDING ORDERS,

WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE. EXCEPT STARTED #2 MAIN AIR COMP.
ADVANCE CLOCK 20' @ 0421. HELD ENGINEERING CASUALTY DRILL B-8
HIGH BOILER SALINITY, 4 MEN PRESENT FROM 0500 TO 0530 BRIDGE NOTIFIED
CLEANED #3 BURNER ATOMIZER + F.O. SUCTION STRAINER.
NORMAL STEAMING WATCH.

AUX + MAIN COND. -2 G/G

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH

MAG AS BEFORE. CLANLED #5 BURNER & #4 F.O. DISC STRNR
BLEW TUBES #3 & #4 BLRS
PUMPED SETTLERS FROM 2P/S & 4P/S DB.
HELD ENG CASUALTY DRILL B & @ 1000-1020 AMONG WATCH PERSONNEL

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 643	HOURS 895
AKL 8.76	AKL 11.10
T-AKL 12.26	T-AKL 14.60
SAL. 4.97	SAL. 4.56
PHOS. .30	PHOS. .30
R.ph 11	R.ph 11
SO_3-62	SO_3-60

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAPILO	6-F	QUE NHAN	SAN FRANCISCO	P-2	12-19+20-66

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	240	240	240	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1672 7660	1675 0020	1677 2620	1679 5530	1681 8290	1684 1040
TOTAL REVOLUTIONS (FOR WATCH)		22520	22360	22600	22910	22760	22750
AVERAGE RPM		93.8	93.1	94.4	95.4	94.8	94.8
F.O. METER (END OF WATCH)		1106 7180	1106 9920	1107 2740	1107 5570	1107 8230	1108 1050
F.O. CONSUMED		2780	2740	2820	2770	2720	2820
MACHINERY PARTICULARS	PRESSURES						
	THROTTLE	425	420	420	420	425	425
	H.P. AHEAD	425	420	420	420	425	425
	L.P. AHEAD	21	22	25	24	25	25
	VACUUM	28.6	28.5	28.6	28.5"	28.5"	28.5
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
	AUX. STEAM	140	140	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	0	.2	.2	.2	.2	.2
	H.P. BLEEDER	60	60	70	70	70	70
	I.P. BLEEDER	9	9	9	9	9	9
	L.P. BLEEDER	11"	11"	12"	12"	11"	12"
	TEMPERATURES						
	STEAM AT THROTTLE	725	725	720	725	725	720
	L.P. EXHAUST	114	116	116	116	116	115
	CONDENSATE	110	110	110	110	112	110
	CIRC. WATER IN	80	83	82	80	82	78
	CIRC. WATER OUT	92	94	96	92	94	92
	L.O. TO COOLERS	126	128	128	128	128	126
	L.O. FROM COOLERS	110	110	110	110	110	110
	TEMPERATURE THRUST BEARING	115	115	115	115	116	115
	FORWARD H.P. ROTOR BEARING	120	125	122	120	125	120

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)						
	AFT. H. P. ROTOR BEARING	130	132	132	130	132	132
	FORWARD L. P. ROTOR BEARING	130	130	130	130	130	128
	AFT. L.P. ROTOR BEARING						
	HOTTEST GEAR BEARING FORWARD	144	146	146	146	150	148
	HOTTEST GEAR BEARING AFT	140	142	140	140	142	140
	AUX. COND. CONDENSATE	108	108	108	108	106	108
	1ST STAGE FEED WATER HEATER	170	175	175	175	175	170
	D. C. FEED WATER HEATER	238	238	240	238	238	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS	TEMPERATURES						
	F.O. TO BURNERS	120	125	125	125	115	120
	F. O. BACK PRESSURE	0					
	AIR TO FURNACE	4",	4"	4"	4"	4"	4"
	UPTAKE						
	MAIN STEAM	460	460	460	460	460	460
	PRESSURES						
	SUPER HEAT	725	725	720	725	725	720
	F.O. TO BURNERS	150	150	150	150	150	150
	F.O. TEMP. IN SETTLING TANKS	100/95	104/96	104 96	104 98	100/100	90 80
	PORT BOILER UPTAKE	295	295	295	300	300	300
	STBD. BOILER UPTAKE	295	290	305	315	320	295
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	100	100	99	100	100	99
	FIRE ROOM TEMPERATURE	100	100	99	100	100	99
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	5½/55	5½/55	5½/55	5½/55	5½/55	5½/55
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	2'6"	2'6"	2'6"	2'5"	2'6"	2'7"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	425	8	130	116		62	1300	1300	230
	4	1200	450	425	10	140	122		42	1300	1300	230
1600 TO 2000	3	1200	450	725	8	134	114		62	1250	1250	235
	4											
	4	1200	450	725	10	145	124		42	1250	1250	235
2000 TO 2400	3	1200	450	720	8	134	112		62	1300	1300	235
	4	1200	450	720	10	140	122		42	1300	1300	235
2400 TO 0400	3	1200	450	725	8	134	112		62	1250	1250	235
	4	1200	450	725	10	140	120		42	1250	1250	235
0400 TO 0800	3	1200	450	725	8	134	114		62	1300	1300	235
	4	1200	450	725	9	145	124		42	1300	1300	235
0800 TO 1200	3	1200	450	720	8	132	110		62	1300	1300	235
	4	1200	450	720	9	142	122		42	1300	1300	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1108/1050	BOILER WATER: ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1106/4400	EVAPORATED OR RECEIVED	
	CONSUMED BY METER	1650	ON HAND	
	ON HAND AT START OF DAY		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL: ON HAND AT START OF DAY	
	EXPENDED DURING DAY		RECEIVED	
	REMAINING ON BOARD		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY		CONSUMED	
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

UNDERWAY, MAIN ENGINE ON 18 NOZZLES, USING 3 + 4 BOILERS, 3 + 4 TURBO GENERATORS, 3 + 4 FD BLOWERS, 3 + 4 MAIN FEED PUMPS, #2 MAIN CONDENSER, #3 + 4 AUX CONDENSER, #2 AUX CIRC & COND PUMP, #3 MAIN COND PUMP, #2 MAIN CIRC PUMP #2 MAIN + AUX AIR EJECTORS, #2 AIR COMPRESSOR, #2 F W PUMP, CLEANED #2 ATOMIZER + STBD FO STRAINER, INSPECTED ALL MACHINERY, CARRIED OUT ALL STANDING ORDERS + WATCH ROUTINE, GEN DRILLS 1300, SEC FROM DRILLS 1324.

WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE.
CLEANED #4 BURNER ATOMIZER AND F.O. SUCTION STRAINER. BLEW TUBES #3 + #4 BOILERS.
REPLACED WITH LONGER WICKS #2S (REEFER FLAT) SPRING BEARING.
ROUTINE STEAMING WATCH. COMPOUND #3 + #4 BOILERS.

MAIN + AUX COND., 1. M.O. FEED .2 G/G.

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH

M/AGI AS BEFORE. CHANGED #6 BURNER & PORT F.O. DISCH STRNR
PUMPED UP SETTLERS FROM 4P/S DB
TESTED LOW L.O. & OVERSPEED TRIPS

FEED TK. 83 G/G M/N COND .41 G/G

WATCH ENGR'S SIGNATURE- W Brassington

2400-0400 WATCH

UNDERWAY ON 18 NOZZLES. MACHINERY IN OPERATION AS BEFORE. CHANGED & CLEANED #1 BURNER ATOMIZER & STBD STRAINER. ROUTINE ROUNDS & INSPECTION OF MACHINERY SPACES & EQUIPMENT. NORMAL STEAMING WATCH.

FO TANKS .83 G P G.

WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE.
CLEAN #3 BURNER ATOMIZER + F.O. SUCTION STRAINER.
PUMP BILGES. ROUTINE INSPECTION OF MACHINERY + SPACES

#2P. DISTILLED TANK .4 G/G.

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH

M/AGI AS BEFORE. CHANGED #5 BURNER & #4 F.O. DISCH STRNR.
BLEW TUBES #3 #4 BLRS.

M/N COND .41 G/G FEED TK 2P/-.83 G/G.

WATCH ENGR'S SIGNATURE- W Brassington

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	667	HOURS	919
AKL	9.93	AKL	10.51
T-AKL	14.02	T-AKL	14.6
SAL.	4.14	SAL.	4.5
PHOS.	40	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS GENERAL J. POPE | VOYAGE-NO. 6F | FROM Qui Nhon | TO SAN FRANCISCO | TYPE OF VESSEL P2-S2-R2 | DATE 12/20-21/66

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	220	220	220	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1686 4080	1688 6870	1690 7770	1692 8860	1694 9200	1697 2600
TOTAL REVOLUTIONS (FOR WATCH)		23040	22790	20900	21090	20840	22900
AVERAGE RPM		96.0	94.9	95.0	95.8	94.7	95.4
F.O. METER (END OF WATCH)		1108 3520	1108 6580	1108 8130	1109 1680	1109 4140	1109 6990
F.O. CONSUMED		2760	2760	2580	2550	2460	2850
MACHINERY PARTICULARS – PRESSURES	THROTTLE	425	425	425	425	425	425
	H.P. AHEAD	425	425	425	425	425	425
	L.P. AHEAD	25	25	25	25	25	25
	VACUUM	28.6	28.6	28.7	28.8	28.7	28.8
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
	AUX. STEAM	140	140	140	140	135	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	3	1.5	1.0	1	.6	1.0
	H.P. BLEEDER	60	60	60	60	58	60
	I.P. BLEEDER	9	9	9	9	9	9
	L.P. BLEEDER	11"	11"	11"	11"	10"	10"
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	728	725	720	720	725	720
	L.P. EXHAUST	114	114	114	114	114	114
	CONDENSATE	108	110	108	108	110	105
	CIRC. WATER IN	78	82	78	78	81	78
	CIRC. WATER OUT	92	94	94	92	92	90
	L.O. TO COOLERS	126	128	128	126	128	128
	L.O. FROM COOLERS	110	110	110	110	110	110
	TEMPERATURE THRUST BEARING	115	115	115	115	115	115
	FORWARD H.P. ROTOR BEARING	120	125	122	120	125	122

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	130	132	132	130	130	132
	FORWARD L. P. ROTOR BEARING	130	130	130	130	130	130
	AFT. L.P. ROTOR BEARING						
	HOTTEST GEAR BEARING FORWARD	144	150	148	146	150	148
	HOTTEST GEAR BEARING AFT	140	142	140	140	144	140
	AUX. COND. CONDENSATE	106	106	106	106	106	110
	1ST STAGE FEED WATER HEATER	175	175	175	175	175	175
	D. C. FEED WATER HEATER	238	240	240	238	238	238
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS	125	120	120	120	120	120
	F. O. BACK PRESSURE	0	0		0	0	
	AIR TO FURNACE	4", 4"	4"	4"	4"	4"	4"
	UPTAKE						
	MAIN STEAM	460	460	460	460	460	460
BOILER PARTICULARS – PRESSURES	SUPER HEAT	728	725	720	720	725	720
	F.O. TO BURNERS	150	150	150	150	150	150
	F.O. TEMP. IN SETTLING TANKS	100 104	104 95	100 95	100 95	102 95	102 100
	PORT BOILER UPTAKE	295	295	300	300	300	295
	STBD. BOILER UPTAKE	295	290	300	300	300	290
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	99	99	98	98	98	98
	FIRE ROOM TEMPERATURE	99	99	98	98	98	98
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
	CO_2 % PORT BOILER		83			83	
	CO_2 % STBD. BOILER		83			83	
	OIL LEVEL MAIN SUMP	3'7"	3'7"	2'7"	2'7"	2'7"	2'7"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	728	8	132	110		62	1250	1250	235
	4	1200	450	728	10	140	120		42	1250	1250	235
1600 TO 2000	3	1200	450	725	8	132	112		62	1300	1300	235
	4	1200	450	725	10	145	124		42	1300	1300	235
2000 TO 2400	3	1200	450	720	8	132	112		62	1250	1250	235
	4	1200	450	720	10	142	122		42	1250	1250	235
2400 TO 0400	3	1200	450	720	8	130	110		62	1300	1300	235
	4	1200	450	720	10	140	120		42	1300	1300	235
0400 TO 0800	3	1200	450	725	8	130	110		62	1300	1300	235
	4	1200	450	725	10	140	120		42	1300	1300	235
0800 TO 1200	3	1200	450	720	8	132	112		62	1400	1400	235
	4	1200	450	720	10	140	122		42	1400	1400	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1109 6990	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1108 1050		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	1940		ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	3 2/3	3 2/3	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
UNDERWAY AS BEFORE 18 NOZZLES, USING #3+4 BOILERS, #2+4 FD BLOWERS, #3+4 FOS PUMPS, #3+4 MAIN FEED PUMPS, #3+4 FO HEATERS, #3+4 TURBO GENERATORS, #3+4 AUX COND, #2 AUX COND PUMP, #2 AUX CIRC PUMP, #2 AUX AIR EJECTOR, #2 MAIN ENGINE + CONDENSER, #2 MAIN CIRC PUMP, #4 MAIN COND PUMP, #2 MAIN AIR EJECT. #2 AIR COMPRESSOR, #2 MAIN LO PUMP. CLEANED #2 ATOMIZER + STBD FO STRAINER. PUMPED BILGES, CHECKED ALL MACHINERY, CARRIED OUT ALL STANDING ORDERS, #1 P/S .41 #2 S .41 #2 P .83 GPG. WATCH ENGR'S SIGNATURE- Clemon

1600-2000 WATCH
MACHINERY IN OPERATION AS BEFORE.
BLEW TUBES #3+4 BOILERS. CLEANED F.O. SUCTION STRAINER + #4 BURNER ATOMIZER. BILGES AT A SAFE LEVEL.
NORMAL STEAMING WATCH.

#2P- .41 G/G. MAIN COND .2 G/G. WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH
M/ACH AS BEFORE.
CHANGED #6 BURNER & FO DISCH STRNR.
PUMPED UP SETTLERS FROM 4 P/S DB.
TESTED LOW L.O. & OVERSPEED TRIPS
ADVANCED CLOCK 20 mins @ 2240
STOPPED #3 & 4 M/N FD PUMPS M/OMENTARILY TO CHECK TIGHTNESS OF PISTON NUTS
FEED TK 83 G/G M/N COND 41 G/G WATCH ENGR'S SIGNATURE- W Brazington

2400-0400 WATCH
UNDERWAY AS BEFORE 18 NOZZLES, MACHINERY IN USE AS BEFORE, CLEANED #1 ATOMIZER, CLEANED STBD F.O. DISCH STRAINER, PUMPED ENGINEROOM BILGES, CHECKED ALL MACHINERY IN USE, CARRIED OUT ALL STANDING ORDERS AND STEAMING WATCH ROUTINE, ADVANCED CLOCK 20 MIN @0100

COND .41 FD TANKS .83 GPG. WATCH ENGR'S SIGNATURE- Clemon

0400-0800 WATCH
MACH. IN OPERATION AS BEFORE.
ADVANCED CLOCK 20' @ 0407. CLEANED #3 BURNER ATOMIZER + F.O. SUCTION STRAINER. PUMPED BILGES. ROUTINE STEAMING WATCH.

MAIN COND .2 G/G. WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH
M/ACH AS BEFORE. CHANGED #5 BURNER & #4 FO DISCH STRNR
BLEW TUBES #3 & 4 BLRS.
PUMPED UP SETTLERS FROM 4¢ D.B

FD. TK .83 G/G M/N. COND 2/1 GPG WATCH ENGR'S SIGNATURE- W Brazington

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	691	HOURS	943
AKL	9.93	AKL	9.93
T-AKL	14.02	T-AKL	14.02
SAL.	4.14	SAL.	4.14
PHOS.	30	PHOS.	30
R.ph	11	R.ph	11
SO_3	-60	SO_3	-67

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAPLIN	6-F	QUI NHAN	SAN FRANCISCO	P-2	12-21 & 22-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1699 5610	1701 8660	1704 1330	1706 4330	1708 7130	1710 9860
TOTAL REVOLUTIONS (FOR WATCH)	23010	23050	22670	23000	22800	22830
AVERAGE RPM	95.8	96.0	94.5	95.8	95.0	95.1
F.O. METER (END OF WATCH)	1109 4970	1110 2510	1110 5320	1110 8080	1111 0800	1111 3620
F.O. CONSUMED	2780	2740	2810	2760	2720	2820
MACHINERY PARTICULARS – PRESSURES – THROTTLE	425	425	425	425	425	425
H.P. AHEAD	425	425	425	425	425	425
L.P. AHEAD	24	25	25	25	25	25
VACUUM	28.8	28.8	29.0	29	29	29
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	.5	.5	1.0	.5	.5	.5
H.P. BLEEDER	60	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	14"	10"	10"	15"	11"	11"
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	715	720	720	715	715	720
L.P. EXHAUST	110	114	110	110	110	110
CONDENSATE	108	110	105	108	108	108
CIRC. WATER IN	77	80	76	76	76	74
CIRC. WATER OUT	90	92	90	90	90	90
L.O. TO COOLERS	125	128	128	125	126	126
L.O. FROM COOLERS	110	110	110	110	108	110
TEMPERATURE THRUST BEARING	110	115	115	115	115	115
FORWARD H.P. ROTOR BEARING	120	125	122	120	125	122

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING	130	125	132	130	130	132
FORWARD L. P. ROTOR BEARING	130	130	130	130	130	130
AFT. L.P. ROTOR BEARING		130				
HOTTEST GEAR BEARING FORWARD	144	150	148	146	150	150
HOTTEST GEAR BEARING AFT	140	142	140	140	142	140
AUX. COND. CONDENSATE	106	108	105	108	106	106
1ST STAGE FEED WATER HEATER	175	175	175	170	175	175
D. C. FEED WATER HEATER	238	238	238	238	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	115	115	115	115	115	120
F. O. BACK PRESSURE	0	0	0	0	0	0
AIR TO FURNACE	4"	4"	4"	4"	4"	4"
UPTAKE						
MAIN STEAM	460	460	460	460	460	460
SUPER HEAT	715	720	720	715	715	720
BOILER PARTICULARS – PRESSURES – F.O. TO BURNERS	150	150	150	150	150	150
F.O. TEMP. IN SETTLING TANKS	100/100	104/100	104/92	104/94	104/90	104/100
PORT BOILER UPTAKE	295	295	295	290	300	300
STBD. BOILER UPTAKE	295	295	290	300	305	295
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	97	97	93	92	92	93
FIRE ROOM TEMPERATURE	97	97	93	92	92	93
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER					83	
CO_2 % STBD. BOILER					83	
OIL LEVEL MAIN SUMP	2'6"	2'6"	2'6"	2'6"	2'6"	2'6"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	715	8	130	108		62	1500	1500	235
	4	1200	450	715	10	140	120		42	1500	1500	235
1600 TO 2000	3	1200	450	720	8	132	110		62	1350	1350	235
	4	1200	450	720	10	140	120		42	1350	1350	
2000 TO 2400	3	1200	450	720	8	132	110		62	1400	1400	235
	4	1200	450	720	10	140	120		42	1400	1400	235
2400 TO 0400	3	1200	450	715	8	130	110		62	1300	1300	235
	4	1200	450	715	10	138	118		42	1300	1300	235
0400 TO 0800	3	1200	450	715	8	130	110		62	1350	1350	235
	4	1200	450	715	10	140	120		42	1350	1350	235
0800 TO 1200	3	1200	450	720	8	130	110		62	1350	1350	235
	4	1200	450	720	10	140	120		42	1350	1350	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1111362	BOILER WATER – ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1109690	EVAPORATED OR RECEIVED	
	CONSUMED BY METER	16,630	ON HAND	
	ON HAND AT START OF DAY		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL – ON HAND AT START OF DAY	
	EXPENDED DURING DAY		RECEIVED	
	REMAINING ON BOARD		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY		CONSUMED	
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOTCHES, MACHINERY IN OPERATION AS FOLLOWS, #3+4 BOILERS, #3+4 FD BLOWERS, #3+4 MAIN FEED PUMPS, #3+4 FO SERVICE PUMPS, #3+4 FO HEATERS, #2 MAIN ENGINE UNIT, #2 MAIN CIRCULATING PUMP, #3 MAIN COND PUMP, #2 MAIN LUBE OIL PUMP, #2 MAIN AIR EJECTOR, #3+4 TURBO GENERATORS, #3+4 AUX CONDENSERS, #2 AUX CIRC PUMP, #2 AUX COND PUMP, #2 AUX AIR EJECTOR, #2 STEAM FW PUMP, #2 AIR COMPRESSOR, CLEANED #2 ATOMIZER + STBD FO STRAINER, CHECKED ALL MACHINERY, CARRIED OUT WATCH ROUTINE.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACH. IN OPERATION AS BEFORE.
BLEW TUBES #3+4 BOILERS
CLEANED F.O. SUCTION STRAINER + #4 BURNER ATOMIZER.
COMPOUNDED #3+4 BOILERS. PUMPED BILGES

MAIN COND. .2 G/G.

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH

MACH AS BEFORE
CHANGED #6 BURNER & #4 F.O. DISCH STRNR
PUMPED UP SETTLERS FROM 4¢ D.B.
SINGLED UP MAIN PLANT

MAIN COND .41 FEED TK .83 G/G

WATCH ENGR'S SIGNATURE- W. Bassington

2400-0400 WATCH

MACHINERY IN USE AS BEFORE, INSPECTED ALL MACHINERY, CLEANED #2 ATOMIZER, CLEANED STBD FUEL OIL DISCHARGE STRAINER, PUMPED ENGINEROOM AND SHAFT ALLEY BILGES, 0100 to 0130 B-9 ENGINEERING CASUALTY DRILL, TEST RUN STEAM MAIN LUBE OIL PUMP, CARRIED OUT ALL STANDING ORDERS AND WATCH ROUTINE

Cond .41 Fd TANKS .83 GPG.

WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH

MACHINERY IN USE AS BEFORE.
CLEANED #3 BURNER ATOMIZER & F.O. SUCTION STRAINER.
HELD ENG. CASUALTY DRILL B-9 FROM 0500 TO 0530. FOUR MEN PRESENT
BRIDGE NOTIFIED. ROUTINE STEAMING WATCH.
CHANGED TO OUT B'D SETTLER.

#2S - .26/G. MAIN COND .41G/G.

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH

MACH AS BEFORE. CHANGED #5 BURNER & F.O. DISCH STRNR
BLEW TUBES #3 & 4 BLRS.
STEERING & CASUALTY DRILL & STBY @ 0900 ALL CLEAR & 1/1 @ 0921
HELD CASUALTY DRILL B-9 @ 1000-1020 AMONG WATCH PERSONNEL
PUMPED UP SETTLERS FROM 4¢ & 5% D.B.

WATCH ENGR'S SIGNATURE- W. Bassington

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	715	HOURS	967
AKL	11.68	AKL	11.68
T-AKL	16.35	T-AKL	16.35
SAL.	4.14	SAL.	4.14
PHOS.	40	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-F	QUE NHAN	SAN FRANCISCO	P-2	12-22+23-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1713 2970	1715 6880	1717 1970	1719 8210	1721 9150	1724 2160
TOTAL REVOLUTIONS (FOR WATCH)	23010	22910	21090	21240	20940	23010
AVERAGE RPM	95.7	95.4	95.9	96.6	95.1	95.8
F.O. METER (END OF WATCH)	1111 6410	1111 9220	1112 1650	1112 4150	1112 6540	1112 9270
F.O. CONSUMED	2790	2810	2430	2500	2390	2730
MACHINERY PARTICULARS – PRESSURES: THROTTLE	425	425	425	425	425	425
H.P. AHEAD	425	425	425	425	425	425
L.P. AHEAD	25	25	25	25	25	25
VACUUM	29	29.2	29.2	29.2	29.2	29.2
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1	.5	.5	.5	.5	.5
H.P. BLEEDER	80	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	15"	10"	10"	10"	11"	11"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	715	720	720	720	715	720
L.P. EXHAUST	110	110	106	106	108	106
CONDENSATE	108	105	102	102	105	104
CIRC. WATER IN	76	74	72	74	76	72
CIRC. WATER OUT	90	88	86	88	88	90
L.O. TO COOLERS	125	128	128	128	128	128
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	115	115	115	115	115	115
FORWARD H.P. ROTOR BEARING	120	125	122	120	125	122

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	130	128	130	130	130
FORWARD L. P. ROTOR BEARING	130	130	130	130	130	120
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD	144	152	150	148	150	150
HOTTEST GEAR BEARING AFT	140	142	140	140	142	140
AUX. COND. CONDENSATE	106	104	102	102	104	102
1ST STAGE FEED WATER HEATER	170	175	170	170	175	175
D. C. FEED WATER HEATER	238	238	240	240	238	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	120	120	115	110	115	115
F. O. BACK PRESSURE	0	0	0	0	0	0
AIR TO FURNACE	4"	4"	4"	4"	4"	4"
UPTAKE						
PRESSURES: MAIN STEAM	460	460	460	460	460	460
SUPER HEAT						
TEMPERATURES: F.O. TO BURNERS	150	150	150	150	160	160
F.O. TEMP. IN SETTLING TANKS	106/96	106/95	104/104	100/100	102/100	105/100
PORT BOILER UPTAKE	295	295	300	300	300	295
STBD. BOILER UPTAKE	305	290	295	300	300	290
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	91	90	89	88	90	91
FIRE ROOM TEMPERATURE	91	90	89	88	90	91
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	5½/55	5½/55	5½/55	5½/55	5½/55	5½/55
CO_2 % PORT BOILER		83			83	
CO_2 % STBD. BOILER		83			83	
OIL LEVEL MAIN SUMP	2'6"	2'6"	2'6"	2'6"	2'6"	2'6"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	715	8	130	116		62	1300	1300	235
	4	1200	450	715	10	138	118		42	1300	1300	235
1600 TO 2000	3	1200	450	726	8	128	108		62	1300	1300	235
	4	1200	450	726	10	140	120		42	1300	1300	235
2000 TO 2400	3	1200	450	720	8	128	106		62	1050	1050	235
	4	1200	450	720	10	135	118		42	1050	1050	235
2400 TO 0400	3	1200	450	720	8	128	106 ~~118~~		62	1000	1000	235
	4	1200	450	720	10	135	HTS 118 ~~135~~		42	1000	1000	235
0400 TO 0800	3	1200	450	715	8	128	108		62	1025	1025	235
	4	1200	450	715	10	135	120		42	1025	1025	235
0800 TO 1200	3	1200	450	720	8	130	110		62	1100	1100	235
	4	1200	450	720	10	136	120		42	1100	1100	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	11129270	BOILER WATER: ON HAND AT START OF DAY	
	METER PREVIOUS NOON	11113620	EVAPORATED OR RECEIVED	
	CONSUMED BY METER	15650	ON HAND	
	ON HAND AT START OF DAY		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL: ON HAND AT START OF DAY	
	EXPENDED DURING DAY		RECEIVED	
	REMAINING ON BOARD		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY		CONSUMED	
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
3 1/4	4	3 2/3	3 2/3	3 2/3	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

UNDERWAY AS BEFORE USING THE FOLLOWING MACHINERY, #3+4 BOILERS, #3+4 FD BLOWERS, #3+4 MAIN FEED PUMPS, #3+4 F.O.S PUMPS, #3+4 F.O. HEATERS, #3+4 TURBO GENERATORS, #3+4 AUX CONDSRS, #3 MAIN CONDENSATE PUMP #2 MAIN CIRC PUMP, #2 MAIN L.O. PUMP, #2 MAIN AIR EJECTOR, #2 AIR COMPRESSOR, #2 LUBE OIL CENTRIFUGE, #2 STEAM F.W. PUMP, #2 AUX CIRC PUMP, CLEANED #2 ATOMIZER, & STBD F.O. DISCH STRAINER, CHECKED ALL MACHINERY, 1308 STBY BELL STEERING CASUALTY DRILL STEERING CASUALTY ALARM SOUNDED, 1322 FULL AHEAD BELL SEC FROM STEERING CASUALTY DRILL, TEST RUN STBY L.O. PUMP. CHANGED & CLEANED L.O. PURIFIER BOWL,

WATCH ENGR'S SIGNATURE- Clemons.

1600-2000 WATCH

MACHINERY IN USE AS ABOVE.

STBY @ 1607 - STEERING GEAR CASUALTY DRILL @ 1619 - HT. SECURE FROM DRILL. BLEW TUBES #3 AND #4 BOILERS. CLEANED #4 BURNER ATOMIZER AND F.O. SUCTION STRAINER. PUMPED ENGINE ROOM + SHAFT ALLEY BILGES. NORMAL STEAMING WATCH.

MAIN COND. HI G/G.

WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH

M/ACH AS BEFORE. CHANGED #6 BURNER & ~~STR~~ W/ #2 FO STRNR.
PUMPED UP SETTLERS FROM 5P/S D.B.
ADVANCED CLOCK 20 mins @ 2214

M/N COND. HI FEED TK. 83 4/6

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

UNDERWAY AS BEFORE 1T NOZZLES, MACHINERY IN USE AS BEFORE, CLEANED #1 ATOMIZER AND STBD F.O. DISCHARGE STRAINER, PUMPED ENGINEROOM BILGES, CHECKED ALL MACHINERY, CARRIED OUT ALL STANDING ORDERS AND UNDERWAY WATCH ROUTINE, ADVANCED CLOCK 20 MIN @ 0100 hours.

COND J .41 FD TANKS .83 GPG.

WATCH ENGR'S SIGNATURE- Clemons.

0400-0800 WATCH

MACHINERY AS BEFORE.
ADVANCE CLOCK 20' @ 0413. CLEANED #3 BURNER AND F.O. SUCTION STRAINER. NORMAL STEAMING WATCH.
PUMPED BILGES.

MAIN COND. HI G/G.

WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH

M/ACH AS BEFORE. CHANGED #5 BURNER & FO DISCH STRNR
BLEW TUBES #3 & 4 BLRS.
PUMPED UP SETTLERS FROM 5P/S

M/N COND HI FEED TK .83

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STBD		PORT	
HOURS	739	HOURS	991
AKL	11.68	AKL	11.10
T-AKL	16.94	T-AKL	15.77
SAL.	4.14	SAL.	4.5
PHOS.	40	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-F	QUE NHAN	SAN FRANCISCO	P-2	12-23+24-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1726 5210	1728 8230	1731 1190	1733 4390	1735 7140	1737 9760
TOTAL REVOLUTIONS (FOR WATCH)	23050	23020	22960	23200	22750	22620
AVERAGE RPM	96	95.9	95.7	96.6	94.7	94.3
F.O. METER (END OF WATCH)	1113 1930	1113 4580	1113 7300	1114 0000	1114 2710	1115 400
F.O. CONSUMED	2660	2650	2720	2600	2710	2690
MACHINERY PARTICULARS – PRESSURES: THROTTLE	425	425	425	425	425	425
H.P. AHEAD	425	425	425	425	425	425
L.P. AHEAD	25	25	25	25	25	25
VACUUM	29.2	29.2	29.4	29.4	29.4	29.4
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1	1	1.0	1.5	1.5	1.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	11"	11"	11"	11"	10"	10"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	705	720	720	715	715	720
L.P. EXHAUST	106	108	106	106	106	106
CONDENSATE	102	102	102	102	105	102
CIRC. WATER IN	70	72	70	68	72	70
CIRC. WATER OUT	82	84	82	80	84	86
L.O. TO COOLERS	126	128	128	126	126	128
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	115	115	115	115	115	115
FORWARD H.P. ROTOR BEARING	120	125	120	120	125	122

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	130	130	130	130	128
FORWARD L. P. ROTOR BEARING	130	130	130	130	130	125
AFT. L.P. ROTOR BEARING	125	130	130	130	130	125
HOTTEST GEAR BEARING FORWARD	146	152	150	148	152	150
HOTTEST GEAR BEARING AFT	140	142	140	140	142	140
AUX. COND. CONDENSATE	102	100	102	102	102	100
1ST STAGE FEED WATER HEATER	170	175	175	170	175	170
D. C. FEED WATER HEATER	240	238	240	240	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	110	115	115	120	120	115
F. O. BACK PRESSURE	0	0	0	0	0	0
AIR TO FURNACE	4"	4"	4"	4"	4"	4"
UPTAKE						
MAIN STEAM	460	460	460	460	460	460
SUPER HEAT	705	720	720	715	715	720
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS	170	170	170	170	170	180
F.O. TEMP. IN SETTLING TANKS	104 104	106 95	104 100	105 100	106 100	118 118
PORT BOILER UPTAKE	295	295	300	300	300	295
STBD. BOILER UPTAKE	295	290	290	295	295	290
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	90	89	87	84	84	87
FIRE ROOM TEMPERATURE	90	89	87	84	84	87
NOZZLES IN USE	18	18	15	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		83			83	
CO_2 % STBD. BOILER		83			83½	
OIL LEVEL MAIN SUMP	2'6"	2'6"	2'6"	2'6"	2'6"	2'6"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	705	8	128	108		62	1100	1100	235
	4	1200	450	705	10	135	118		44	1100	1100	235
1600 TO 2000	3	1200	450	720	8	126	106		62	1050	1050	235
	4	1200	450	720	10	135	120		44	1050	1050	235
2000 TO 2400	3	1200	450	720	8	128	110		62	1050	1050	235
	4	1200	450	720	10	135	120		44	1050	1050	235
2400 TO 0400	3	1200	450	715	8	128	108		62	1000	1000	235
	4	1200	450	715	10	135	118		44	1000	1000	235
0400 TO 0800	3	1200	450	715	8	130	108		62	1150	1150	235
	4	1200	450	715	10	135	120		44	1150	1150	235
0800 TO 1200	3	1200	450	720	8	130	108		62	1150	1150	235
	4	1200	450	720	10	135	120		44	1150	1150	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	11145400	BOILER WATER: ON HAND AT START OF DAY	
	METER PREVIOUS NOON	11129270	EVAPORATED OR RECEIVED	
	CONSUMED BY METER	16130	ON HAND	
	ON HAND AT START OF DAY		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL: ON HAND AT START OF DAY	
	EXPENDED DURING DAY		RECEIVED	
	REMAINING ON BOARD		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY		CONSUMED	
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

Governors Nos. 1 and 2 Ship Service
Generators, Repair of

DeLav, Steam Turbine Co. H.P.: 580,
Type: AO, RPM: 9977, 6 Stage Steam Turbine

Forward Engine Room

Governors are sluggish in operation and
Generators will not stay in parellel.

Two (2)

Furnish labor and material to disassemble
governors, renew all defective parts as
needed to put in Manufactor's designed
condition. Test operate to satisfaction
of MSTS Inspector and Chief Engineer.

REMARKS

1200-1600 WATCH
UNDER WAY AS BEFORE USING THE FOLLOWING MACHINERY. #3+4 BLRS, #3+4 FD BLOWERS, #3+4 MAIN FEED PUMPS, #3+4 F.O.S PUMPS, #3+4 F.O HTRS, #3+4 TURBO GENERATORS, #3+4 AUX CONDENSERS, #2 AUX CIRC PUMP, #1 MAIN CIRC PUMP, #3 MAIN CONDENSATE PUMP, #2 L.O. PUMP, #2 MAIN AIR EJECTOR, #2 L.O CENTRIFUGE, #2 AIR COMPRESSOR, #2 STEAM F.W PUMP, CLEANED #2 ATOMIZER AND STBD F.O DISCH STRAINER. INSPECTED ALL MACHINERY, CARRIED OUT ALL STANDING ORDERS + WATCH ROUTINE.

COND .41 FEED TANKS .83 GPG. WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH
MACHINERY IN OPERATION AS ABOVE.
BLEW TUBES #3+#4 BOILERS.
CLEANED #4 BURNER ATOMIZER AND F.O. SUCTION STRAINER
CHANGED TO INBOARD SETTLER.
PUMPED BILGES.

MAIN COND. .41 G/G. WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
M/ACH AS BEFORE
CHANGED #6 BURNER & #4 F.O. DISCH STRNR
TESTED LOW L.O. & OVERSPEED TRIPS.
PUMPED UP SETTLERS FROM 5P/S D.B.

M/N COND .41 FEED TK .83 WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
UNDERWAY AS BEFORE 18 NOZZLES, CHECKED ALL MACHINERY IN USE, CLEANED #1 ATOMIZER AND STBD F.O. DISCHARGE STRAINER, PUMPED ENGINEROOM AND SHAFT ALLEY BILGES. REPACKED #2 BILGE PUMP, TEST RUN STEAM LUBE OIL PUMP, CARRIED OUT ALL STANDING ORDERS AND UNDERWAY WATCH ROUTINE.

Cond .41 Fd TANKS .83 GPG. WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH
MACHINERY IN OPERATION AS BEFORE.
CLEANED #3 BURNER ATOMIZER AND F.O. SUCTION STRAINER
ROUTINE INSPECTION OF MACHINERY + SPACES.
ADJUST SOOT BLOWER PACKING GLANDS
PUMPED BILGES.

AUX + MAIN COND. .41 G/G. WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH
M/ACH AS BEFORE CHANGED #6 BURNER & #4 F.O. STRNR
BLEW TUBES #3 & 4 BLRS.
SEC'D FIRE & SANITARY SYSTEM @ 1000-1030 TO REPAIR VALVE.
PUMPED UP SETTLERS FROM 5P/S & D.B.

M/N COND .41 G/G FOM 1114 to 00 WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	763	HOURS	1015
AKL	11.68	AKL	9.93
T-AKL	16.35	T-AKL	15.16
SAL.	4.14	SAL.	4.14
PHOS.	40	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-F	QUE NHAN	SAN FRANCISCO	P-2	12-24 + 25-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1740 2846	1742 5330	1744 6200	1746 7290	1748 8817	1751 0770
TOTAL REVOLUTIONS (FOR WATCH)	23080	22490	20870	21090	20880	22600
AVERAGE RPM	96.7	93.7	94.9	95.8	94.9	94.2
F.O. METER (END OF WATCH)	1114 8090	1115 0770	1115 3330	1115 5840	1115 5840	1116 1900
F.O. CONSUMED	2690	2680	2560	2570	2420	2640
MACHINERY PARTICULARS – PRESSURES: THROTTLE	425	425	425	425	425	425
H.P. AHEAD	425	425	425	425	425	425
L.P. AHEAD	25	25	25	22	22	22
VACUUM	29.4	29.3	29.5	29.5	29.5	29.5
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	145	150	145	145	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.5	1.5	1.5	.5	0	0
H.P. BLEEDER	60	75	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	10"	11"	11"	12"	12"	12"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	710	710	710	710	710	725
L.P. EXHAUST	102	102	100	100	100	125
CONDENSATE	98	69	98	96	96	96
CIRC. WATER IN	68	82	66	68	68	66
CIRC. WATER OUT	80	128	80	80	82	80
L.O. TO COOLERS	126	110	128	128	128	126
L.O. FROM COOLERS	110	112	110	110	110	110
TEMPERATURE THRUST BEARING	115	112	115	115	112	115
FORWARD H.P. ROTOR BEARING	120	125	122	120	125	120
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	130	128	130	130	128
FORWARD L. P. ROTOR BEARING	130	130	130	130	130	125
AFT. L.P. ROTOR BEARING	130	125	125	130	125	125
HOTTEST GEAR BEARING FORWARD	146	150	150	148	150	148
HOTTEST GEAR BEARING AFT	140	140	140	140	142	140
AUX. COND. CONDENSATE	98	98	98	96	94	96
1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
D. C. FEED WATER HEATER	240	238	240	240	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS	115	140	140	125	125	130
F. O. BACK PRESSURE	0	0	0	0	0	0
AIR TO FURNACE	4"	4"	4"	4"	4"	4"
UPTAKE	~~460~~					
MAIN STEAM	460	460	460	460	460	460
BOILER PARTICULARS – TEMPERATURES: SUPER HEAT	710	710	710	710	710	725
F.O. TO BURNERS	180	180	185	180	180	185
F.O. TEMP. IN SETTLING TANKS	115/100	112/95	110/94	100/80	104/100	106/100
PORT BOILER UPTAKE	295	295	300	305	315	305
STBD. BOILER UPTAKE	295	295	300	310	315	305
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	86	85	84	84	84	85
FIRE ROOM TEMPERATURE	86	85	84	84	84	85
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER		83			83	
CO_2 % STBD. BOILER		83			83	
OIL LEVEL MAIN SUMP	2'6"	2'6"	2'6"	2'6"	2'6"	2'6"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	710	8	128	108		62	1100	1100	235
	4	1200	450	710	10	135	118		44	1100	1100	235
1600 TO 2000	3	1200	450	710	8	130	108		62	1050	1050	235
	4	1200	450	710	9	135	120		44	1050	1050	235
2000 TO 2400	3	1200	450	710	8	130	108		62	1050	1050	235
	4	1200	450	710	10	132	118		44	1050	1050	235
2400 TO 0400	3	1200	450	710	8	130	108		62	1000	1000	235
	4	1200	450	710	10	132	118		44	1000	1000	235
0400 TO 0800	3	1200	450	710	8	130	110		62	1100	1100	235
	4	1200	450	710	10	134	120		44	1100	1100	235
0800 TO 1200	3	1200	450	725	8	132	110		62	1000	1000	235
	4	1200	450	725	10	134	120		44	1000	1000	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1161400
FUEL OIL	METER PREVIOUS NOON	1114540
FUEL OIL	CONSUMED BY METER	16500
FUEL OIL	ON HAND AT START OF DAY	
FUEL OIL	RECEIVED DURING DAY	
FUEL OIL	EXPENDED DURING DAY	
FUEL OIL	REMAINING ON BOARD	
DOMESTIC WATER	ON HAND AT START OF DAY	
DOMESTIC WATER	EVAPORATED OR RECEIVED	
DOMESTIC WATER	ON HAND	
DOMESTIC WATER	CONSUMED	
BOILER WATER	ON HAND AT START OF DAY	
BOILER WATER	EVAPORATED OR RECEIVED	
BOILER WATER	ON HAND	
BOILER WATER	CONSUMED	
LUBE OIL	ON HAND AT START OF DAY	
LUBE OIL	RECEIVED	
LUBE OIL	ON HAND	
LUBE OIL	CONSUMED	

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	3 2/3	3 2/3	3 2/3	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
UNDERWAY AS BEFORE MAIN ENGINES USING 18 NOZZLES, THE FOLLOWING MACHINERY IN USE, #3+4 BOILERS, #3+4 FO BLOWERS, #3+4 MAIN FEED PUMPS, #3+4 FOS PUMPS, #3+4 FO HTRS, OUTBOARD F.O. SETTLING TANK, #3+4 TURBO GEN, #3+4 AUX COND, #2 AUX CIRC PUMP, #3 MAIN COND PUMP, #2 MAIN CIRC PUMP, #2 MAIN L.O. PUMP, #2 MAIN AIR EJECTOR, #2 AIR COMPRESSOR, #2 STEAM F.W. PUMP,
CLEANED #2 ATOMIZER AND STBD F.O. DISCH STRAINER, CLEANED BOILER SMOKE PERISCOPES, PUMPED ENGINEROOM AND SHAFT ALLEY BILGES, CHECKED ALL MACHINERY, CARRIED OUT ALL STANDING ORDERS + WATCH ROUTINE,
Cond. .41 Fd TANKS .83 GPG.

WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH
MACHINERY IN OPERATION AS ABOVE.
BLEW TUBES #3 + #4 BOILERS. CLEANED #4 BURNER ATOMIZER.
CLEANED F.O. SUCTION STRAINER. CHANGED TO IN BOARD SETTLER.
STARTED #2 EVAP. @ 1830. PUMPED BILGES.

MAIN COND .41 G/G.

WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
MACH AS BEFORE
CLANGED #6 BURNER & F.O. DISCH STRNR
PUMPED UP SETTLERS FROM 5¢ & 6P/S D.B.
TEST RAN STBY F.O. PUMP WITH ELECTRIC F.O. PUMPS SCCD & SUCT ON 5¢ D.B.
ADVANCED CLOCK 20 MINS @ 2240

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
UNDERWAY AS BEFORE 18 NOZZLES, MACHINERY IN USE AS BEFORE, CLEANED #2 ATOMIZER AND STBD F.O. DISCHARGE STRAINER, PUMPED ENGINEROOM + SHAFT ALLEY BILGES, INSPECTED ALL MACHINERY IN USE, CARRIED OUT ALL STANDING ORDERS AND UNDERWAY WATCH ROUTINE, ADVANCED CLOCKS 20 MIN @ 0100 HOURS.

Cond .41 Fd TANKS .83 GPG

WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH
MACHINERY AS BEFORE.
ADVANCE CLOCK 20' @ 0406.
CLEANED #3 BURNER ATOMIZER & F.O. SUCTION STRAINER.
PUMPED BILGES. ROUTINE WATCH.

MAIN COND. .41 G.P.G.

WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH
MACH AS BEFORE.
CHANGED #5 BURNER & #4 F.O. DISCH STRNR.
BLOW TUBES #3 & 4 BURS.
STOPPED #3 M/N FD PUMP & REPLACED FWD PLUNGER & PACKING.
TESTED LOW L.O. & OVERSPEED TRIP.

M/N COND. .41 FD. TK. .83

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	787	HOURS	1039
AKL	11.6	AKL	9.9
T-AKL	15.7	T-AKL	14.6
SAL.	4.14	SAL.	4.14
PHOS.	40	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-F	QUE NHON	SAN FRANCISCO	P-2	12-25+26-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240	240	240	240
DETENTION TIME	~~17~~ HTS					
REVOLUTION COUNTER (END OF WATCH)	1753 3880	1755 6860	1758 0000	1760 3280	1762 6310	1764 9400
TOTAL REVOLUTIONS (FOR WATCH)	23110	22980	23140	23280	23030	23090
AVERAGE RPM	96.3	95.7	96.4	97.0	95.9	96.1
F.O. METER (END OF WATCH)	1116 3630	1116 6320	1116 9060	1117 1810	1117 4510	1117 7300
F.O. CONSUMED	2730	2690	2740	2750	2700	2790
MACHINERY PARTICULARS – PRESSURES: THROTTLE	425	425	425	425	425	425
H.P. AHEAD	425	425	425	425	425	425
L.P. AHEAD	21	22	22	22	22	22
VACUUM	29.5	29.5	29.5	29.5	29.5	29.5
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	140	145	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	.5	0	0	.5	.4	.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	12"	12"	11"	11"	12"	12"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	725	725	725	715	715	715
L.P. EXHAUST	98	102	104	102	102	102
CONDENSATE	76	98	96	96	96	96
CIRC. WATER IN	66	66	66	66	66	66
CIRC. WATER OUT	78	82	82	80	80	80
L.O. TO COOLERS	128	128	128	128	128	128
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	115	115	115	115	112	115
FORWARD H.P. ROTOR BEARING	120	125	122	120	125	118

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	132	130	130	130	128
FORWARD L. P. ROTOR BEARING	128	130	128	130	130	128
AFT. L.P. ROTOR BEARING	125	125	125	125	125	125
HOTTEST GEAR BEARING FORWARD	146	152	150	148	152	150
HOTTEST GEAR BEARING AFT	140	143	142	142	143	140
AUX. COND. CONDENSATE	96	94	94	94	94	94
1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
D. C. FEED WATER HEATER	238	238	240	240	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	125	140	140	140	140	140
F. O. BACK PRESSURE	0	0	–	–	–	–
AIR TO FURNACE	4"	4"	4"	4.5"	4"	4"
UPTAKE						
MAIN STEAM	460	460	460	460	460	460
SUPER HEAT	725	725	725	715	715	715
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS	180	180	180	180	180	180
F.O. TEMP. IN SETTLING TANKS	100/105	104/100	104/100	105/95	104/102	108/102
PORT BOILER UPTAKE	300	295	300	300	300	295
STBD. BOILER UPTAKE	300	295	300	300	300	295
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	86	86	86	86	86	86
FIRE ROOM TEMPERATURE	86	86	86	86	86	86
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER					83	
CO_2 % STBD. BOILER					83½	
OIL LEVEL MAIN SUMP	2'6"	2'6"	2'6"	2'6"	2'6"	2'6"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	725	8	136	108		62	1000	1000	235
	4	1200	450	725	10	130	118		44	1000	1000	235
1600 TO 2000	3	1200	450	725	8	132	110		63	1150	1150	235
	4	1200	450	725	10	135	120		46	1150	1150	235
2000 TO 2400	3	1200	450	725	8	132	110		63	1050	1050	235
	4	1200	450	725	10	132	120		46	1050	1050	235
2400 TO 0400	3	1200	450	715	8	132	110		62	1000	1000	235
	4	1200	450	715	10	132	120		46	1000	1000	235
0400 TO 0800	3	1200	450	715	8	132	110		63	1050	1050	235
	4	1200	450	715	10	135	120		46	1050	1050	235
0800 TO 1200	3	1200	450	715	8	132	110		63	1000	1000	235
	4	1200	450	715	10	132	120		46	1000	1000	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1117310
	METER PREVIOUS NOON	1116900
	CONSUMED BY METER	15400
	ON HAND AT START OF DAY	
	RECEIVED DURING DAY	
	EXPENDED DURING DAY	
	REMAINING ON BOARD	
DOMESTIC WATER	ON HAND AT START OF DAY	
	EVAPORATED OR RECEIVED	
	ON HAND	
	CONSUMED	

BOILER WATER	ON HAND AT START OF DAY	
	EVAPORATED OR RECEIVED	
	ON HAND	
	CONSUMED	
LUBE OIL	ON HAND AT START OF DAY	
	RECEIVED	
	ON HAND	
	CONSUMED	

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

UNDERWAY AS BEFORE MAIN ENGINES ON 18 NOZZLES, THE FOLLOWING MACHINERY IN USE, # 3+4 BOILERS, #3+4 FD BLOWERS, #3+4 MAIN FEED PUMPS, #3+4 F.O.S. PUMPS, #3+4 F O HTRS, #3+4 TURBO GENERATORS, #3+4 AUX ~~GENERATORS~~ HTRS, CONDENSERS, #2 AUX CIRC PUMP, #3 MAIN CONDENSATE PUMP, #2 MAIN CIRC PUMP, #2 MAIN L O PUMP, #2 MAIN AIR EJECTOR, #2 AIR COMPRESSOR, #2 L O CENTRIFUGE, #2 STEAM F W PUMP, CLEANED #1 ATOMIZER AND STBD FO DISCH STRAINER, TEST RUN STEAM L O PUMP, PUMPED BILGES, CHECKED ALL MACHINERY, CARRIED OUT STEAMING WATCH ROUTINE AND ALL STANDING ORDERS.

Cond 41 FD TANKS 83 GPG. HEATING STM ON @ 1330 WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH

MACHINERY IN OPERATION AS ABOVE.
BLEW TUBES #3+4 BOILERS. CLEANED #4 BURNER + F.O. SUCTION STRAINER.
PUMPED BILGES
CHANGED TO INBOARD SETTLER. SECURED EVAP. DISC. VALVES TO #3 POT. TANKS. ROUTINE STEAMING WATCH.

MAIN COND. 41 2/5 WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH

M/AGI AS BEFORE. CHANGED #6 BURNER & FO DISCH STRNR
PUMPED UP SETTLERS FROM 6P/S DB.
TESTED LOW L.O. & OVERSPEED TRIPS.

M/N COND 41 FD TK 83 WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

UNDERWAY AS BEFORE 18 NOZZLES, MACHINERY IN USE AS BEFORE, INSPECTED ALL MACHINERY, CARRIED OUT ALL STANDING ORDERS AND STEAMING WATCH ROUTINE, CLEANED #2 ATOMIZER AND STBD FO DISCH STRAINER, PUMPED WASTE OIL DRUM,

Cond 41 FD TANKS 83 GPG WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE.
CHANGED AND CLEANED #3 BURNER AND F.O. SUCTION STRAINER
CHANGED TO OUTBOARD SETTLER. PUMPED BILGES
INSPECTED MACHINERY + SPACES. ROUTINE SEA WATCH.

AUX + MAIN COND. 41 GPG. WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH

M/AGI AS BEFORE CHANGED #5 BURNER & F.O. DISCH STRNR
BLEW TUBES #3 & 4 BLRS
PUMPED SETTLERS FROM, 6 & 1P/S D.B.

M/N COND. 41 WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	811	HOURS	1063
AKL	9.34	AKL	9.9
T-AKL	13.4	T-AKL	14.02
SAL.	3.73	SAL.	4.14
PHOS.	30	PHOS.	30
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	6-F	QUE NHAN	SAN FRANCISCO	P-2	12-26A+26B-66

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	220	220	220	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1767 2780	1769 5670	1771 6990	1773 8210	1775 9250	1778 2360
TOTAL REVOLUTIONS (FOR WATCH)		23380	22890	21320	21220	21040	23110
AVERAGE RPM		97.4	95.3	96.9	96.5	95.6	96.3
F.O. METER (END OF WATCH)		1118 0150	1118 2840	1118 5330	1118 7800	1119 0230	1119 3000
F.O. CONSUMED		2850	2690	2490	2470	2430	2170
MACHINERY PARTICULARS – PRESSURES	THROTTLE	425	425	425	425	425	425
	H.P. AHEAD	425	425	425	425	425	425
	L.P. AHEAD	22	22	22	21	22	22
	VACUUM	29.5	29.5	29.6	29.6	29.6	29.5
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
	AUX. STEAM	140	140	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	.5	.5	.5	.5	.5	.5
	H.P. BLEEDER	70	70	70	70	70	70
	I.P. BLEEDER	9	9	9	9	9	9
	L.P. BLEEDER	12"	12"	12"	12"	12"	12"
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	720	725	725	725	725	725
	L.P. EXHAUST	102	102	102	102	102	102
	CONDENSATE	96	98	96	96	96	96
	CIRC. WATER IN	66	68	64	64	66	66
	CIRC. WATER OUT	78	82	80	78	80	80
	L.O. TO COOLERS	128	128	128	128	128	128
	L.O. FROM COOLERS	110	110	110	110	110	110
	TEMPERATURE THRUST BEARING	115	115	115	115	112	115
	FORWARD H.P. ROTOR BEARING	120	125	120	120	125	122

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	130	130	128	130	130	130
	FORWARD L. P. ROTOR BEARING	130	130	128	130	130	130
	AFT. L.P. ROTOR BEARING	125	125	125	125	125	125
	HOTTEST GEAR BEARING FORWARD	146	150	150	150	150	150
	HOTTEST GEAR BEARING AFT	142	142	140	140	142	140
	AUX. COND. CONDENSATE	94	94	94	94	96	94
	1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
	D. C. FEED WATER HEATER	240	238	238	238	238	238
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS	130	130	130	125	130	135
	F. O. BACK PRESSURE	0	0	0	0	4	1
	AIR TO FURNACE			4"	4"	4"	4"
	UPTAKE						
	MAIN STEAM	460	460	460	460	460	460
	SUPER HEAT	720	725	725	725	725	725
BOILER PARTICULARS – PRESSURES	F.O. TO BURNERS	180	180	180	180	180	180
	F.O. TEMP. IN SETTLING TANKS	105/100	108/102	106/100	106/100	104/104	105/100
	PORT BOILER UPTAKE	300	295	295	295	300	300
	STBD. BOILER UPTAKE	300	295	295	295	295	300
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	88	88	87	86	87	87
	FIRE ROOM TEMPERATURE	88	88	87	86	87	87
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
	CO_2 % PORT BOILER		83			83	
	CO_2 % STBD. BOILER		83			83	
	OIL LEVEL MAIN SUMP	2'6"	2'6"	2'6"	2'6"	2'6"	2'6"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	720	8	132	108		64	1000	1000	235
	4	1200	450	720	10	134	120		44	1000	1000	235
1600 TO 2000	3	1200	450	725	8	130	110		64	950	950	235
	4	1200	450	725	10	135	120		44	950	950	235
2000 TO 2400	3	1200	450	725	8	130	110		64	1000	1000	235
	4	1200	450	725	10	132	120		44	1000	1000	235
2400 TO 0400	3	1200	450	725	8	128	110		62	1000	1000	235
	4	1200	450	725	10	132	120		46	1000	1000	235
0400 TO 0800	3	1200	450	725	8	130	116		62	1000	1000	235
	4	1200	450	725	10	134	120		46	1000	1000	235
0800 TO 1200	3	1200	450	725	8	130	110		62	1000	1000	235
	4	1200	450	725	10	135	120		46	1000	1000	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1119360	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1177300		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	15700		ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	3 2/3	3 2/3	3 2/3	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

UNDERWAY AS BEFORE MAIN UNIT USING 18 NOZZLES, MACHINERY IN USE AS FOLLOWS. #3+4 BOILERS, #3+4 FD BLOWERS, #3+4 MAIN FEED PUMPS, #3+4 FOS PUMPS, #3+4 F O HEATERS, #3+4 TURBO GENERATORS, #3+4 AUX CONDENSERS, #2 AUX CIRC PUMP, #3 MAIN CONDENSATE PUMP, #2 MAIN CIRC PUMP, #2 MAIN L.O. PUMP, #2 MAIN AIR EJECTOR, #2 AIR COMPRESSOR, #2 STEAM F.W. PUMP, #2 LUB OIL CENTRIFUGE, CLEANED #2 ATOMIZER + STBD FO DISCH STRAINER, PUMPED ENGINEROOM + SHAFT ALLEY BILGE, ADDED 2 RINGS 3/8" PACKING TO BILGE PUMP, CARRIED OUT STEAMING WATCH ROUTINE, COND #1 FD TANKS 83 GPG. WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH

MACHINERY IN OPERATION SAME AS ABOVE.
BLEW TUBES #3 + #4 BOILERS. CLEANED #4 BURNER + F.O. SUCTION STRAINER. COMPOUND #3+#4 BOILERS

MAIN COND. .4 GPG. WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH

M/ACH AS BEFORE. CHANGED #6 BURNER & F.O DISCH STRNR.
PUMPED UP SETTLERS FROM G & D.B
ADVANCED CLOCK 25 mins @ 2200

M/N COND #1 FD TK #3 WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

MACHINERY IN USE AS BEFORE. INSPECTED ALL MACHINERY, CLEANED #1 ATOMIZER AND STBD FO DISCH STRAINER, PUMPED ENGINEROOM BILGES, B-10 ENGINEERING CASUALTY DRILL 0300 TO 0330, CARRIED OUT ALL STANDING ORDERS AND STEAMING WATCH ROUTINE, ADVANCED CLOCKS 20 MIN @ 0100 HOURS.

COND #1 FD TANKS .83 GPG. WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH

MACHINERY IN OPERATION AS BEFORE:
ADVANED CLOCK @ 0408. CLEANED #3 BURNER + F.O. SUCTION STRAINER. HELD ENG. CASUALTY DRILL - B-10 - 4 MEN PRESENT. BRIDGE NOTIFIED. 0500-0530. TEST HIGH SALINITY ALARM.
PUMPED BILGES. ROUTINE STEAMING WATCH.

MAIN. COND .41 G/G WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH

M/ACH AS BEFORE CHANGED #6 BURNER & F.O DISCH STRNR
BLEW TUBES #3 & 4 BLRS.
HELD ENG CASUALTY DRILL B-10 @ 1000-1030 AMONG WATCH PERSONNEL
PUMPED UP SETTLERS FROM G & 7P/S D.B

M/N COND #1 FD TK #3 WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	835	HOURS	1087
AKL	11.1	AKL	11.6
T-AKL	15.7	T-AKL	16.9
SAL.	4.1	SAL.	4.1
PHOS.	50	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. JOHN POPE	6-F	QUE NHON	SAN FRANCISCO	P-2-G	12-26 & 27-66

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	240	240	240	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1780 5430	1782 8430	1785 1440	1787 4610	1789 7590	1792 0530
TOTAL REVOLUTIONS (FOR WATCH)		23070	23000	23010	23170	22980	22940
AVERAGE RPM		96.1	95.8	95.8	96.5	95.8	95.6
F.O. METER (END OF WATCH)		1119 5760	1119 8620	1120 1630	1120 4690	1120 7660	1121 0610
F.O. CONSUMED		2760	2860	3010	3030	2970	2950
MACHINERY PARTICULARS	PRESSURES	THROTTLE	425	425	425	430	425	425
		H.P. AHEAD	425	425	425	430	425	425
		L.P. AHEAD	22	22	22	22	21	22
		VACUUM	29.6	29.7	29.8	29.8	29.8	29.8
		L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
		AUX. STEAM	140	140	140	140	145	145
		BACK PRESSURE	8	9	9	9	9	9
		GLAND STEAM	0	.5	.5	.5	.5	.5
		H.P. BLEEDER	70	70	70	70	70	70
		I.P. BLEEDER	9	9	9	9	9	9
		L.P. BLEEDER	12"	12"	12"	12"	12"	12"
	TEMPERATURES	STEAM AT THROTTLE	425	425	725	720	725	725
		L.P. EXHAUST	102	104	104	104	102	104
		CONDENSATE	96	96	96	96	98	98
		CIRC. WATER IN	66	66	66	66	67	66
		CIRC. WATER OUT	80	78	80	80	82	80
		L.O. TO COOLERS	128	128	128	128	128	128
		L.O. FROM COOLERS	110	110	110	110	110	110
		TEMPERATURE THRUST BEARING	115	115	115	115	113	115
		FORWARD H.P. ROTOR BEARING	120	125	120	120	125	120

			WATCH					
			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	130	130	130	130	130	125
		FORWARD L. P. ROTOR BEARING	130	130	130	130	130	130
		AFT. L.P. ROTOR BEARING	125	125	125	125	125	125
		HOTTEST GEAR BEARING FORWARD	146	152	150	150	150	150
		HOTTEST GEAR BEARING AFT	140	142	140	140	140	140
		AUX. COND. CONDENSATE	94	92	94	94	99	96
		1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
		D. C. FEED WATER HEATER	238	238	238	238	238	240
		3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS	TEMPERATURES	F.O. TO BURNERS	130	150	155	150	150	150
		F. O. BACK PRESSURE	0	3			0	
		AIR TO FURNACE	4"	4"	4"	4"	4"	4"
		UPTAKE						
		MAIN STEAM	460	460	460	465	460	460
	PRESSURES	SUPER HEAT	710	720	725	720	725	725
		F.O. TO BURNERS	180	180	180	180	180	180
		F.O. TEMP. IN SETTLING TANKS	105/95	106/100	110/105	110/105	106/106	110/106
		PORT BOILER UPTAKE	295	300	320	320	320	300
		STBD. BOILER UPTAKE	295	290	320	320	320	300
MISCELLANEOUS		ENGINE ROOM TEMPERATURE	87	87	86	86	86	86
		FIRE ROOM TEMPERATURE	87	87	86	86	86	86
		NOZZLES IN USE	18	18	18	18	18	18
		NO. OF BURNERS IN USE	6	6	6	6	6	6
		BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
		CO_2 % PORT BOILER		83			83	
		CO_2 % STBD. BOILER		83			83	
		OIL LEVEL MAIN SUMP	2'6"	2'6"	2'6"	2'6"	2'6"	2'6"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	710	9	130	108		62	1000	1000	235
	4	1200	450	710	10	132	120		44	1000	1000	235
1600 TO 2000	3	1200	450	726	8	132	110		64	975	975	235
	4	1200	450	726	10	135	120		46	975	975	235
2000 TO 2400	3	1200	460	725	8	132	110		63	1000	1000	235
	4	1200	460	725	10	135	120		46	1000	1000	235
2400 TO 0400	3	1200	460	720	8	132	110		62	1000	1000	235
	4	1200	460	720	10	134	120		46	1000	1000	235
0400 TO 0800	3	1200	450	725	8	132	110		62	1000	1000	235
	4	1200	450	725	10	135	120		46	1000	1000	235
0800 TO 1200	4	1200	450	725	10	134	120		62	1100	1100	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1121 0610	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1119 3600		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	1760 10		ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
3 1/2	4	4	4	4	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
UNDERWAY AS BEFORE MAIN UNIT 18NOZ. MACH. IN USE. #3 & 4 BOILERS, #3 & 4 FORCED DRAFT BLOWERS - 3 & 4 F.O. SERVICE PUMPS. #3 & 4 GEN. AUX COND. AUX. CIRC. #3 MAIN COND. PUMP. MAIN CIRC. AIR COMP. #3 & 4 MAIN FEED PUMP. #2 L.O. SERVICE PUMP. #2 POT. WATER PUMP. #2 MAIN AIR EJECT. #3 & 4 F.O. HEATERS.
ST. BY + FIRE DRILL @ 1300. SEC. FROM FIRE DRILL @ 1325 - BOAT DRILL @ 1326 SEC. FROM DRILLS + H @ 1325. CLEANED # 2 BURNER + STBD. F.O. DISC. STRAINER. ROUTINE WATCH
CLEANED PURIFIER.

WATCH ENGR'S SIGNATURE- McDonald

1600-2000 WATCH
MACH. IN USE AS ABOVE.
BLEW TUBES #3 + #4 BOILERS
CLEANED #4 ATOMIZER + F.O. SUCTION STRAINER
PUMPED BILGES. ROUTINE SEA WATCH.

MAIN COND. .41 G/G.

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH
MACH AS BEFORE
CHANGED #6 BURNER & F.O. DISCH STRNR
PUMPED SETTLERS FROM 7P/S D.B.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
MACH AS BEFORE
CHANGED #1 BURNER & F.O. DISCH STRNR, w/s PUMPED BILGES.
CARRIED OUT ALL STANDING ORDERS AND STEAMING WATCH ROUTINE.

Cond .41 Fwd Tank 83 G.P.G.

WATCH ENGR'S SIGNATURE- McDonald

0400-0800 WATCH
MACH. IN OPERATION AS BEFORE EXCEPT.
CLEANED # 3 ATOMIZER + F.O. SUCTION STRAINER
START O'BOARD POT. WATER PUMP. SEC. IN B'D PUMP
PUMPED SHAFT ALLEY BILGES. CHANGED TO ST'BD SETTLER.
NORMAL STEAMING WATCH.

MAIN COND. .46 G/G.

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH
MACH AS BEFORE
CHANGED #6 & #5 BURNER & F.O. DISCH STRNR
BLEW TUBES #3 & 4 BLRS.
PUMPED SETTLERS FROM 7P/S D.B.
SEC'D #3 GENERATOR

FD TK 83 M/N COND. 41

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	859	HOURS	1111
AKL	9.34	AKL	10.51
T-AKL	13.4	T-AKL	15.18
SAL.	3.31	SAL.	3.31
PHOS.	40	PHOS.	40
R.ph	H	R.ph	H

CHIEF ENGR'S SIGNATURE- [illegible]

SNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN. JOHN POPE T-AP-110	6-F	QUE NHAN	SAN FRANCISCO	P-2	12-27 + 28-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1794 3480	1796 6390	1798 7480	1800 8810	1802 9720	1805 2550
TOTAL REVOLUTIONS (FOR WATCH)	22950	22910	21090	21330	20910	22830
AVERAGE RPM	95.6	95.4	95.4	96.9	95	95.1
F.O. METER (END OF WATCH)	1121 3390	1121 6370	1121 9160	1122 1740	1122 4330	1122 7030
F.O. CONSUMED	2780	2980	2790	2580	2590	2700
MACHINERY PARTICULARS – PRESSURES: THROTTLE	430	430	430	430	425	425
H.P. AHEAD	430	430	430	430	425	425
L.P. AHEAD	22	22	22	22	22	22
VACUUM	29.9	29.9	29.8	29.9	29.9	29.9
L.O. TO TURBINES	12.2	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1	1	.5	1.5	.5	.5
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	12"	12	12"	12"	12"	12"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	725	740	730	720	720	725
L.P. EXHAUST	104	103	104	104	102	102
CONDENSATE	98	96	96	96	96	96
CIRC. WATER IN	66	66	64	64	64	64
CIRC. WATER OUT	85	80	80	80	80	80
L.O. TO COOLERS	128	126	128	128	128	128
L.O. FROM COOLERS	110	108	110	110	110	110
TEMPERATURE THRUST BEARING	115	113	115	115	115	115
FORWARD H.P. ROTOR BEARING	120	125	120	120	125	118

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	130	130	130	130	128
FORWARD L. P. ROTOR BEARING	130	130	130	130	130	130
AFT. L.P. ROTOR BEARING	125	125	125	125	125	125
HOTTEST GEAR BEARING FORWARD	146	150	148	148	150	150
HOTTEST GEAR BEARING AFT	140	142	140	140	142	140
AUX. COND. CONDENSATE	94	94	94	94	96	96
1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
D. C. FEED WATER HEATER	238	238	240	240	240	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	135	150	155	130	125	130
F. O. BACK PRESSURE	0	0		0	0	
AIR TO FURNACE	4"	4"	4"	5"	4.5"	4"
UPTAKE						
MAIN STEAM	460	460	460	460	460	460
SUPER HEAT	725	740	730	720	720	725
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS	180	180	190	190	190	190
F.O. TEMP. IN SETTLING TANKS	100/100	104/102	110/105	110/105	104/104	104/104
PORT BOILER UPTAKE	305	305	320	320	325	305
STBD. BOILER UPTAKE	305	295	325	320	325	300
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	86	84	85	83	84	84
FIRE ROOM TEMPERATURE	86	84	85	83	84	84
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	5-1/55	5-1/55	5-1/55	5-1/55	5-1/55	5-1/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	2'4"	2'4"	2'4"	2'4"	2'3"	2'3"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3											
	4	1200	450	725	10	134	120		44	1100	1100	235
1600 TO 2000												
										~~400~~		
	4	1200	450	740	10	135	120		45	1100	1100	235
2000 TO 2400	3	1200	450	730	10	134	120		44	1100	1100	235
2400 TO 0400												
	4	1200	450	720	10	134	120		45	1150	1150	235
0400 TO 0800												
	4	1200	450	720	10	135	120		45	1150	1150	235
0800 TO 1200	3	1200	450	720	10	134	120		45	1100	1100	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1122 7030	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1121 0610		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	16420		ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	3 1/4	3 2/3	3 2/3	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
UNDERWAY AS BEFORE MAIN ENGINE USING 18 NOZZLES, THE FOLLOWING MACHINERY IN USE,
#3+4 BOILERS, #3+4 FD BLOWERS, #3+4 MAIN FEED PUMPS, #3+4 FOS PUMPS, #3+4 FO. HTRS, #1 TURBO GENERATOR.
#4 AUX CONDENSER, #2 AUX CIRC PUMP, #2 MAIN CIRC PUMP, #3 MAIN CONDENSATE PUMP, #2 MAIN
AIR EJECTOR, #2 MAIN L.O. PUMP, #2 AIR COMPRESSOR, #2 STEAM FW PUMP,
CLEANED #2 ATOMIZER AND STRD FO DISCH STRAINER, PURIFIED L.O. FROM #3 TURBO GEN TO MAIN SUMP.
FILLED SAME FROM MAIN L O SUMP, INSPECTED #3 GEN L.O. SUMP, NO FOREIGN MATERIAL PRESENT.
REGULAR UNDERWAY WATCH ROUTINE. NBC DRILL 1300 WATCH ENGR'S SIGNATURE- McDonald

1600-2000 WATCH
MACHINERY IN USE AS ABOVE.
CLEANED #4 BURNER ATOMIZER + F.O. SUCTION STRAINER.
BLEW TUBES #3 + #4 BOILERS. PUMPED BILGES
NORMAL STEAMING WATCH.

MAIN COND. #4 C/G WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH
MACH AS BEFORE
CHANGED #6 BURNER & FO DISCH STRNR.
PUMPED UP SETTLERS FROM 1P/S & & D.B.
ADVANCED CLOCK @ 22/0 - 20 mins
TESTED LOW L.O. & OVERSPEED TRIP

WATCH ENGR'S SIGNATURE- L L Bearingstone

2400-0400 WATCH
MACH AS BEFORE.
CHANGED #1 BURNER & F.O. DISCH STRNR
ADVANCED CLOCK 20' @ 0100. NORMA STEAMING WATCH

WATCH ENGR'S SIGNATURE- McDonald

0400-0800 WATCH
MACH. AS BEFORE.
CLEANED #3 BURNER AND F.O. SUCTION STRAINER.
ADVANCE CLOCK 20' @ 0410.
PUMPED BILGES. NORMAL STEAMING WATCH.

MAIN COND. #1 C/G. WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH
MACH AS BEFORE
BLEW TUBES #3 & 4 BLRS
CHANGED #5 BURNER & F.O. DISCH STRNR
PUMPED UP SETTLERS FROM 7 & D.B

M/N COND #1 FEED TK #3 WATCH ENGR'S SIGNATURE- L L Bearingstone

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	883	HOURS	1135
AKL	9.93	AKL	9.93
T-AKL	13.43	T-AKL	14.0
SAL.	3.73	SAL.	3.73
PHOS.	30	PHOS.	30
R.ph	11	R.ph	11
SO_3	50	SO_3	57

CHIEF ENGR'S SIGNATURE- [illegible]

SNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE T-AP110	6-F	QUE NHAN	SAN FRANCISCO	P-2	12-28+29-66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1807 5790	1809 8750	1811 9940	1814 1370	1816 2570	1818 5390
TOTAL REVOLUTIONS (FOR WATCH)	23240	22960	21190	21430	21200	22820
AVERAGE RPM	96.8	95.6	95.8	97.4	96.3	95.1
F.O. METER (END OF WATCH)	1122 9840	1123 2540	1123 5040	1123 7080	1124 0200	1124 2870
F.O. CONSUMED	2810	2700	2500	2540	2620	2670
MACHINERY PARTICULARS – PRESSURES: THROTTLE	430	425	425	425	425	425
H.P. AHEAD	430	425	425	425	425	425
L.P. AHEAD	24	22	24	25	24	23
VACUUM	30"	30"	30	30"	30	30
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	140	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1	.5	.5	2	1	15
H.P. BLEEDER	70	70	70	70	70	70
I.P. BLEEDER	9	9	9	9	9	9
L.P. BLEEDER	12"	12"	12"	12"	12	12"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	720	725	720	725	725	725
L.P. EXHAUST	104	102	104	100	98	96
CONDENSATE	96	98	96	96	95	92
CIRC. WATER IN	64	67	64	64	62	60
CIRC. WATER OUT	78	80	80	80	76	76
L.O. TO COOLERS	128	126	128	128	126	128
L.O. FROM COOLERS	110	110	110	110	110	110
TEMPERATURE THRUST BEARING	115	113	115	115	112	115
FORWARD H.P. ROTOR BEARING	120	125	120	120	125	118

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	130	128	130	130	128
FORWARD L. P. ROTOR BEARING	130	135	130	130	130	128
AFT. L.P. ROTOR BEARING	125	125	125	125	126	125
HOTTEST GEAR BEARING FORWARD	150	152	150	150	152	150
HOTTEST GEAR BEARING AFT	140	142	140	140	142	140
AUX. COND. CONDENSATE	94	94	96	94	92	92
1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
D. C. FEED WATER HEATER	238	238	240	240	240	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	130	125	125	130	125	125
F. O. BACK PRESSURE	0	0				
AIR TO FURNACE	5"	4"	4"	5"	4	4"
UPTAKE						
MAIN STEAM	460	460	460	460	460	460
SUPER HEAT	720	725	720	725	725	725
BOILER PARTICULARS – PRESSURES: F.O. TO BURNERS	190	190	190	190	190	190
F.O. TEMP. IN SETTLING TANKS	100/100	104/102	102/100	100/100	102/104	100/100
PORT BOILER UPTAKE	305	295	315	316	320	305
STBD. BOILER UPTAKE	300	290	300	300	305	290
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	84	83	83	80	80	77
FIRE ROOM TEMPERATURE	84	83	83	80	80	77
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	4	1200	450	720	10	132	118	44	475	1200	1200	235
1600 TO 2000	4	1200	450	725	10	134	120	44		1100	1100	235
2000 TO 2400	4	SECD @	2200									
	3	1200	450	720	8	126	110	64		1200	1200	235
2400 TO 0400	3	1200	450	725	8	126	110	64		1200	1200	235
0400 TO 0800	3	1200	450	725	8	130	110	64		1100	1100	240
0800 TO 1200	3	1200	450	725	8	130	110	64		1200	1200	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1127+2830	BOILER WATER	ON HAND AT START OF DAY
	METER PREVIOUS NOON	1122+7030		EVAPORATED OR RECEIVED
	CONSUMED BY METER	15850		ON HAND
	ON HAND AT START OF DAY			CONSUMED
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY
	EXPENDED DURING DAY			RECEIVED
	REMAINING ON BOARD			ON HAND
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED
	EVAPORATED OR RECEIVED			
	ON HAND			
	CONSUMED			

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	3 2/3	3 2/3	3 2/3	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
UNDERWAY AS BEFORE MAIN ENGINES USING 18 NOZZLES, THE FOLLOWING MACHINERY IN USE, #3+4 BOILERS #3+4 FD BLOWERS, #3+4 MAIN FEED PUMPS, #3+4 FO SERVICE PUMPS, #3+4 FO HTRS, #4 TURBO GENERATOR, #4 AUX CONDENSER, #2 AUX CIRC PUMP, #2 MAIN CIRC PUMP, #3 CONDENSATE PUMP, #2 MAIN LUBE OIL PUMP, #2 MAIN AIR EJECTOR, #2 A.R COMPRESSOR, #2 FW PUMP, CLEANED #1 ATOMIZER AND P+S FO DISCH STRAINER, PUMPED ENGINEROOM BILGES, TESTED ALL FEED WATER TANKS, CARRIED OUT ALL STANDING ORDERS AND STEAMING WATCH ROUTINE,

WATCH ENGR'S SIGNATURE- McDonald

1600-2000 WATCH
MACH. AS BEFORE EXCEPT: ADJUST FEED WATER REG. #3 BOILER.
BLEW TUBES #3+4 BOILERS. CLEANED #4 ATOMIZER.
CLEANED P+S F.O. DISC. STRAINER + F.O. SUCTION STRAINER.
PUMPED BILGES. NORMAL STEAMING WATCH.
ELECTRICIANS CLEANED #3 GEN. + REPLACED BRUSHES.
TIGHTEN WATER PISTON RODS #1+#2 POT. WATER PUMPS.
MAIN+AUX COND. .4G/G. #2 S.M.U. .4G/G.

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH
MACH AS BEFORE
CHANGED #6 BURNER & BOTH FO DISCH STRNRS
STARTED #3 GEN & SWITCHED LOAD FROM #4 @ 2200. SECD #4 GEN
ADVANCED CLOCK 20 mins @ 2210
PUMPED UP SETTLERS FROM 7¢ & E.P/S D.B.
TESTED LOW L.O. & OVERSPEED TRIPS
MN COND .4 FD TK E3 6/6

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
MACH AS BEFORE CHANGED #1 BURNER & F.O. DISCH STRNRS
ADVANCED CLOCK 20 mins @ 0100
HELD CASUALTY DRILL B-11 @ 0100-0130 AMONG WATCH PERSONNEL

MAIN COND .4 G/G.

WATCH ENGR'S SIGNATURE- McDonald

0400-0800 WATCH
MACH. AS BEFORE.
CLEANED #3 BURNER. + #3 F.O. DISC. STRAINER - CLEANED F.O. SUCTION STRAINER.
CLEANED 2 STRAINERS L.O. #4 GEN. PUMPED BILGES. TEST HIGH SALINITY ALARM.
CENTRIFUGED OIL TO + FROM #4 GEN. TO MAIN SUMP. INSPECTED #4 GEN. L.O. SUMP. (CLEAN)
ADVANCED CLOCK 20' @ 0405. HELD ENG. CASUALTY DRILL - B-11 FROM 0500 TO 0530.
4 MEN PRESENT - BRIDGE NOTIFIED. CLEAN #3 BOILER FEED WATER CONTROLLER
MAIN COND .4 G/G M.U.F .4 G/G.

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH
MACH AS BEFORE
CHANGED #5 BURNER & F.O. DISCH STRNRS
BLEW TUBES #3 & 4, BLRS.
PUMPED UP SETTLERS FROM E P/S D.B. STBY @ 1033 FOR MAN OVBD DRILL
AT 1047. HELD CASUALTY DRILL B-11 @ 1000-1020 AMONG WATCH PERSONNEL

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 907	HOURS 1159
AKL 9.9	AKL 9.9
T-AKL 13.4	T-AKL 13.4
SAL. 4.4	SAL. 4.4
PHOS. 30	PHOS. 30
R.ph 11	R.ph 11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE T-AP110	6-F	QUE NHAN	SAN FRANCISCO	P-2	12-29+30-66

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	240	240	240	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1820 8590	1823 1780	1825 4940	1827 8190	1830 1180	1832 4050
TOTAL REVOLUTIONS (FOR WATCH)		23200	23190	23200	23200	22990	22900
AVERAGE RPM		96.6	96.6	96.6	96.4	95.8	95.4
F.O. METER (END OF WATCH)		1124 5530	1124 8270	1125 0840	1125 3510	1125 6140	1125 8710
F.O. CONSUMED		2660	2740	2570	2670	2630	2510
MACHINERY PARTICULARS	PRESSURES						
	THROTTLE	430	425	425	425	425	425
	H.P. AHEAD	430	425	425	420	425	425
	L.P. AHEAD	23	23	23	24	24	24
	VACUUM	30"	30	30	30"	30	30
	L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
	AUX. STEAM	140	140	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	1.5	1.2	1.0	1.5	1.5	1.0
	H.P. BLEEDER	70	70	70	70	70	70
	I.P. BLEEDER	9	9	9	9	9	9
	L.P. BLEEDER	12"	12"	12"	12"	12"	12"
	TEMPERATURES						
	STEAM AT THROTTLE	730	710	710	715	715	725
	L.P. EXHAUST	96	97	96	96	98	96
	CONDENSATE	92	95	92	92	94	92
	CIRC. WATER IN	60	61	60	60	60	60
	CIRC. WATER OUT	76	76	76	76	76	76
	L.O. TO COOLERS	128	128	128	128	126	128
	L.O. FROM COOLERS	110	110	110	110	110	110
	TEMPERATURE THRUST BEARING	115	110	115	115	112	115
	FORWARD H.P. ROTOR BEARING	120	120	120	120	120	118

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)						
	AFT. H. P. ROTOR BEARING	130	128	128	130	128	128
	FORWARD L. P. ROTOR BEARING	125	125	128	125	130	128
	AFT. L.P. ROTOR BEARING	125	125	125	122	125	125
	HOTTEST GEAR BEARING FORWARD	148	150	150	150	153	150
	HOTTEST GEAR BEARING AFT	140	142	140	140	143	140
	AUX. COND. CONDENSATE	90	90	90	90	90	90
	1ST STAGE FEED WATER HEATER	170	170	170	170	170	170
	D. C. FEED WATER HEATER	240	238	240	240	238	240
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS	PRESSURES & TEMPERATURES						
	F.O. TO BURNERS	125	130	120	~~115~~ 125	120	115
	F. O. BACK PRESSURE	0	0				
	AIR TO FURNACE	5"	4"	4"	4"	4"	4"
	UPTAKE						
	MAIN STEAM	460	460	460	460	460	460
	SUPER HEAT	730	710	710	715	705	725
	TEMPERATURES						
	F.O. TO BURNERS	190	190	190	190	190	190
	F.O. TEMP. IN SETTLING TANKS	100/100	100/102	104/100	116/110	114/108	114/105
	PORT BOILER UPTAKE	300	295	305	305	315	295
	STBD. BOILER UPTAKE	300	285	295	300	300	295
MISCELLANEOUS							
	ENGINE ROOM TEMPERATURE	80	80	81	80	79	80
	FIRE ROOM TEMPERATURE	80	80	81	80	79	80
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	2'3"	2'3"	2'3"	2'3"	2'3"	2'3"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	730	8	130	108		64	1150	1150	235
1600 TO 2000	3	1200	450	710	8	130	110		64	1300	1300	235
2000 TO 2400	3	1200	450	710	8	130	110		64	1300	1300	235
2400 TO 0400	3	1200	450	715	8	130	110		64	1250	1250	235
0400 TO 0800	3	1200	450	715	8	132	110		64	1200	1200	235
0800 TO 1200	3	1200	450	725	8	130	110		64	1250	1250	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1125 8710	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1124 2880		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	15830		ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	
	EXPENDED DURING DAY			RECEIVED	
	REMAINING ON BOARD			ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY			CONSUMED	
	EVAPORATED OR RECEIVED				
	ON HAND				
	CONSUMED				

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH
UNDERWAY AS BEFORE MAIN ENGINE USING 1P NOZZLES, MACHINERY IN USE AS FOLLOWS, #3+4 BOILERS, #3+4 FD BLOWERS, #3+4 MAIN FEED PUMPS, #3+4 F.O.S. PUMPS, #3+4 F.O. HEATERS, #3 TURBO GENERATOR, #3 AUX CONDENSER, #2 AUX CIRC PUMP, #2 MAIN CIRC PUMP, #3 MAIN CONDENSATE PUMP. #2 MAIN L.O. PUMP, #2 MAIN AIR EJECTOR, #2 AIR COMPRESSOR, #2 STEAM FW PUMP, CLEANED #2 ATOMIZER, CLEANED P+S FO DISCH STRAINERS, PUMPED ENGINEROOM BILGES, CARRED OUT STEAMING WATCH ROUTINE, 1535 SHIFTED TO #1 STEAM FW PUMP. - PAINTING + CLEANING BY WIPERS.

WATCH ENGR'S SIGNATURE- McDonald

1600-2000 WATCH
MACH. AS BEFORE
BLEW TUBES #3+#4 BOILERS. CLEANED #4 BURNER ATOMIZER. REPACKED #3 BOILER UPPER. GAGE GLASS. PUMPED SHAFT ALLEY BILGES COMPOUND #3+4 BOILERS. CHIEF ENG. IN ENG. RM. FROM 1820-1821.

MAIN COND. 4/6 G

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH
MACH AS BEFORE.
CHANGED #6 BURNER & F.O. DISCH STRNRS
PUMPED UP SETTLERS FROM 8S & 8D
TRANSFERRED OIL FROM 8S/L TO 7P DB.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
UNDERWAY AS BEFORE 1P NOZZLES, MACHINERY IN USE AS BEFORE, INSPECTED ALL MACHINERY IN USE, CLEANED #1 ATOMIZER AND P+S FO DISCH STRAINERS, CARRIED OUT ALL STANDING ORDERS AND STEAMING WATCH ROUTINE, SECURED & CLEANED LUBE OIL PURIFIER.

COND 4/1 FD TANKS 3 GPG.

WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH
MACH. AS BEFORE.
CLEANED #3 F.O. BURNER & F.O. SOLTION STNR. CLEANED P+S F.O. DISC STR.
PUMPED SHAFT ALLEY BILGES. NORMAL STEAMING WATCH.

MAIN COND. 4/6 PG.

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH
MACH AS BEFORE CHANGED #5 BURNER & F.O. DISCH STRNR
BLEW TUBES #3 & 4 BLRS.
PUMPED UP SETTLERS FROM 8 & DB.

M/E COND 4/1 4/6 FD TK 3 4/6

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	931	HOURS	1183
AKL	11.10	AKL	11.68
T-AKL	15.7	T-AKL	16.94
SAL.	3.73	SAL.	3.73
PHOS.	40	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen J Pope	6F	Quilliton	San Francisco	P2-S2-R2	12/30-31/66

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	198
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1834 6880	1836 9670	1839 0590	1841 1550	1843 2570	
TOTAL REVOLUTIONS (FOR WATCH)	22800	22790	20920	20960	21020	
AVERAGE RPM	95	94.9	95.1	95.3	95.5	
F.O. METER (END OF WATCH)	1126 1190	1126 3770	1126 6490	1126 8610	1127 0970	1127 3320
F.O. CONSUMED	2480	2580	2420	2120	2360	2350
MACHINERY PARTICULARS – PRESSURES: THROTTLE	430	425	425	425	430	430
H.P. AHEAD	430	425	425	425	430	430
L.P. AHEAD	25	24	25	25	25	—
VACUUM	30"	30"	30"	30"	30"	—
L.O. TO TURBINES	12.5	12.5	12.5	12.5	12.5	12.5
AUX. STEAM	150	140	140	140	140	140
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2.0	1.5	1.5	2.5	.8	2.0
H.P. BLEEDER	70	70	70	70	70	—
I.P. BLEEDER	6	6	6	6	6	—
L.P. BLEEDER	12"	12"	12"	12"	12"	—
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	460	460	460	710	715	705
L.P. EXHAUST	96	96	96	94	94	88
CONDENSATE	92	88	88	88	86	80
CIRC. WATER IN	58	56	54	54	53	52
CIRC. WATER OUT	76	72	72	74	68	60
L.O. TO COOLERS	126	128	128	128	126	126
L.O. FROM COOLERS	110	110	110	110	110	106
TEMPERATURE THRUST BEARING	115	110	115	115	110	110
FORWARD H.P. ROTOR BEARING	120	120	118	120	125	115
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING	130	128	128	130	126	120
FORWARD L. P. ROTOR BEARING	130	130	128	130	130	120
AFT. L.P. ROTOR BEARING	125	125	125	125	125	120
HOTTEST GEAR BEARING FORWARD	148	152	150	148	153	140
HOTTEST GEAR BEARING AFT	140	143	140	140	145	138
AUX. COND. CONDENSATE	90	85	86	90	82	82
1ST STAGE FEED WATER HEATER	170	170	170	170	170	150
D. C. FEED WATER HEATER	240	238	240	240	238	240
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	120	120	120	125	125	112
F. O. BACK PRESSURE	—	—				
AIR TO FURNACE	4"	4"	4"	4"	4"	
UPTAKE						
MAIN STEAM	460	460	460	460	460	460
BOILER PARTICULARS – PRESSURES: SUPER HEAT	720		725	710		705
F.O. TO BURNERS	190	190	190	190	190	190
F.O. TEMP. IN SETTLING TANKS	105/95	106/98	102/85	100/80	104/100	100/108
PORT BOILER UPTAKE	295	295	295	295	300	285
STBD. BOILER UPTAKE	290	290	295	295	300	285
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	80	80	78	76	77	75
FIRE ROOM TEMPERATURE	80	80	78	76	77	75
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	51/55	51/55	51/55	51/55	51/55	51/55
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	2'3"	2'3"	2'3"	2'3"	2'2"	2'2"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	720	8	130	108		64	1150	1150	235
1600 TO 2000	3	1200	450	710	8	132	110		64	1100	1100	236
	4	1200	450	710	10	124	100		44	IDLE		—
2000 TO 2400	3	1200	450		8	132	115		64	1200	1200	235
	4	IDLE										
2400 TO 0400	3	1200	450		8	130	110		62	1200	1200	235
	4	1200	450		10	130	110		48	1200	1200	235
0400 TO 0800	3	1200	450		8	130	110		62	1300	1300	235
	4	IDLE										
0800 TO 1200	3	1200	450		8	130	110		62	1000	1000	235
	4	1200	450		10	125	110		48	1000	1000	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1127 3320
	METER PREVIOUS NOON	1125 8710
	CONSUMED BY METER	14610
	ON HAND AT START OF DAY	
	RECEIVED DURING DAY	
	EXPENDED DURING DAY	
	REMAINING ON BOARD	31800
DOMESTIC WATER	ON HAND AT START OF DAY	
	EVAPORATED OR RECEIVED	
	ON HAND	
	CONSUMED	

BOILER WATER	ON HAND AT START OF DAY	
	EVAPORATED OR RECEIVED	
	ON HAND	
	CONSUMED	
LUBE OIL	ON HAND AT START OF DAY	
	RECEIVED	
	ON HAND	
	CONSUMED	

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

L.O. CENTRIFUGE - HOURS OPERATED

1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
4	4	4	2 2/3	2 2/3	4

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH

UNDERWAY AS BEFORE - MAIN ENGINES 18 NOZZ, BOILERS #3+4 - F.D. BLOWER 3+4. MAIN FEED PUMPS 3+4 - F.O.S. PUMPS 3+4, TURBO GEN. #3 ON LINE #4 IDLING. AUX CIR. MAIN CIRC #3 MAIN COND. PUMP. #2 AIR COMP. #2 POT. W. PUMP. CLEANED #2 BURNER + P+S F.O. DISC. STRNRS. ROUTINE WATCH. STARTED #4 GEN. @ 1500 + SECURED #4 GEN. @ 1520. ELECTRICIANS CLEANING ARMATURE COMM. PAINTING FLOOR PLATES

WATCH ENGR'S SIGNATURE- McDonald

1600-2000 WATCH

MACH. AS BEFORE.
BLEW TUBES #3+4 BOILERS.
CLEANED #4 BURNER + F.O. SUCTION STRAINER.
STARTED #4 GEN. @ 1630. PUMPED BILGES.
NORMAL WATCH.

MAIN COND. .4 G/G.

WATCH ENGR'S SIGNATURE- McDonald

2000-2400 WATCH

MACH AS BEFORE.
CHANGED #6 BURNER & F.O DISCH STRNRS
PUMPED UP SETTLERS FROM 8¢ D.B.
TRANSFERRED OIL FROM 7P & S¢ TO 8 P.
ADVANCED CLOCK 20 mins @ 2200

WATCH ENGR'S SIGNATURE- L. Bergmann

2400-0400 WATCH

UNDERWAY AS BEFORE 18 NOZZLES, MACHINERY IN USE AS BEFORE, CLEANED #1 ATOMIZER + STBD F.O. DISCH STRAINER, TEST RUN AUX CONDENSATE PUMP AND STEAM LUBE OIL PUMP, CARRIED OUT ALL STANDING ORDERS AND STEAMING WATCH ROUTINE, ADVANCE CLOCK 20'.

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE.
ADVANCE CLOCK 20' @ 0408. CLEANED #3 BURNER AND P+S. DISCH STRAINERS @ 0630. CLEANED F.O. SUCTION STRAINER. CHANGED TO O'BOARD SETTLER. NORMAL STEAMING WATCH.
TIME CHECK @ 0738.

MAIN COND. .4 G/G.

WATCH ENGR'S SIGNATURE- McDonald

0800-1200 WATCH

MAC AS BEFORE SPLIT PLANT @ 0800, TIME CHECK FROM BRIDGE @ 1030½
SLOWED TO 85 RPM @ 1018 SLOWED TO 60 RPM @ 1106
ARRIVAL @ 1118 FOM 3711.80 FOM 7562.90 OR 19167.90 OR 18.52/60
BELLS AS PER BELLBOOK
PUMPED UP SETTLERS FROM 6¢ DP

WATCH ENGR'S SIGNATURE- L. Bergmann

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	955	HOURS	1207
AKL	11.68	AKL	11.10
T-AKL	15.7	T-AKL	15.18
SAL.	4.14	SAL.	4.14
PHOS.	50	PHOS.	40
R.ph	11	R.ph	11

CHIEF ENGR'S SIGNATURE- [illegible]

In Port

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope TAP110	6A	Oakland N.S.C	Berth H	P2-S2-R2	12-31-1-1-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM				1127 5380		
F.O. METER (END OF WATCH)	7562 640	7563 100	7563 510	~~7563 450~~	1127 5780	1127 6190
F.O. CONSUMED	550	460	410	440	400	410
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM Aux	30"	30"	30"	29"	29"	29"
L.O. TO TURBINES						
AUX. STEAM						
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	0	0	0	—	—	—
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	96	96	96	96	96	96
1ST STAGE FEED WATER HEATER	140	140	140	140	140	140
D. C. FEED WATER HEATER	237	238	238	240	240	240
3RD STAGE FEED WATER HEATER				—	—	—
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	100	100	100	100	100	100
F. O. BACK PRESSURE	—	—	—	—	—	—
AIR TO FURNACE	4"	4"	4"	4"	4"	4"
UPTAKE						
MAIN STEAM	450	450	450	450	450	450
SUPER HEAT	660	660	660	—	—	—
BOILER PARTICULARS – PRESSURES – F.O. TO BURNERS	100	100	100	190	190	190
F.O. TEMP. IN SETTLING TANKS	92 96	108 98	108 98	110/110	110/110	110/110
PORT BOILER UPTAKE	—	—	—	—	—	—
STBD. BOILER UPTAKE	260	260	260	260	260	260
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	72	74	74	74	74	74
FIRE ROOM TEMPERATURE	72	74	74	74	74	74
NOZZLES IN USE	—	—	—	—	—	—
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	53	53	53	53/70	53/70	53/70
CO_2 % PORT BOILER	—	—	—	—	—	—
CO_2 % STBD. BOILER	—	—	—	—	—	—
OIL LEVEL MAIN SUMP	2'3"	2'3"	2'3"	2'5"	2'5"	2'5"

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450	710	8	130	110		62	1000	1000	235
	4	1200	450	710	10	125	110		48	1000	1000	235
1600 TO 2000	3	1200	450	650	8	124	110		65	1000	1000	235
	4	1200	450	650	10	124	110		47	1000	1000	235
2000 TO 2400	3	1200	450	650	8	124	110		65	1000	1000	235
	4	1200	450	650	10	124	110		47	1000	1000	235
2400 TO 0400	3	1200	450	—	10	124	110		65	1000	1000	235
	4	1200	450	—	8	124	110		47	1000	1000	235
0400 TO 0800	3	1200	450	—	8	124	110		65	1000	1000	235
	4	1200	450	—	10	124	110		47	1000	1000	235
0800 TO 1200	3	1200	450	—	8	129	110		65	1000	1000	235
	4	1200	450	—	10	124	110		47	1000	1000	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1127/640	BOILER WATER	ON HAND AT START OF DAY	353
	METER PREVIOUS NOON			EVAPORATED OR RECEIVED	-0-
	CONSUMED BY METER	126		ON HAND	340
	ON HAND AT START OF DAY	3,180		CONSUMED	13
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	2840
	EXPENDED DURING DAY	126		RECEIVED	-0-
	REMAINING ON BOARD	3,054		ON HAND	2835
DOMESTIC WATER	ON HAND AT START OF DAY	1114		CONSUMED	5
	EVAPORATED OR RECEIVED	-0-			1440
	ON HAND	1080			1438
	CONSUMED	34			2

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH Stbd. Boiler in Service. Main Engine on Jacking - Main Condensate pump on Aux. Condensors. Extra Feed #2 Stbd. Fuel oil suction from inboard settler.

F.W.T. Urrutia Oiler - McGinnes - Jr. Staggs WATCH ENGR'S SIGNATURE- John Robert R/E
1600-2000 WATCH
Routine port watch. Same as above.

F.W.T. Staggs Oiler - Guinan REEFER - GINTEL WATCH ENGR'S SIGNATURE- John Robert R/E
2000-2400 WATCH
Routine Port watch. same as above.

F.W.T Watkins Oiler - Guinan - Ref. Mazzia WATCH ENGR'S SIGNATURE- John Robert R/E
2400-0400 WATCH
Steaming as before on #3 boiler for auxiliary purposes. Checked all mach. spaces and operating machinery. 0400 pumped Jacking Gear, L.O. Purifier and L.O. Pump. + Main Circulator Pump. temp of engines 118°. Changed + Cleaned burners.

Condensate test .41 6P6.
OILER - GUINAN F/W - URRUTIA REF. BEANS WATCH ENGR'S SIGNATURE- Hm Jones
0400-0800 WATCH
Steaming as before. Checked all mach. + spaces
Shifted and Cleaned F.O. disch. strainer.

Condt. Test. .41 6P6.
OILER - GUINAN F/W URRUTIA - REF - BEANS WATCH ENGR'S SIGNATURE- Hm Jones
0800-1200 WATCH
Steaming as before. Checked all mach + spaces. 0900 pumped L.O. Purifier in F.W.D. Eng. room.

Condt. test .41 6P6.
OILER - CLINT - F/W URRUTIA. REF. GENTIL WATCH ENGR'S SIGNATURE- Hm Jones
CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS	HOURS
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PHOS.	PHOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE- [illegible]

In Port

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope TAP110	6A	Oakland N.S.C.	Berth H	P2-S2-R2	1-1-2-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)	1127 6600	1127 7040	1127 7430	1127 7820	1127 8240	1127 8630
F.O. CONSUMED	410	440	490	390	420	390
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM Aux.	29"	29"	29"	29"	29	29
L.O. TO TURBINES						
AUX. STEAM						
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM	—	—	—	—	—	—
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	88	90	90	80	76	78
1ST STAGE FEED WATER HEATER	140	140	140	140	140	140
D. C. FEED WATER HEATER	230	235	235	230	230	230
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	100	100	100	225	225	220
F. O. BACK PRESSURE						
AIR TO FURNACE	2"	2"	2"	2"	2"	2"
UPTAKE						
MAIN STEAM	450	450	450	450	450	450
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS	190	190	190	190	190	190
F.O. TEMP. IN SETTLING TANKS	110/110	110/110	110/110	110/110	108/104	110/104
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE	260	260	260	250	265	255
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	72	72	72	72	72	76
FIRE ROOM TEMPERATURE	72	72	72	72	72	76
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	1	1	1
BURNER TIP SIZE	53/70	53/70	53/70	53/60	53/60	53/60
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	3'	3'	3'	3'	3'	3

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450		8	129	110		65	850	850	235
	4	1200	450		10	124	110		47	1000	1000	235
1600 TO 2000	3	1200	450		8	129	110		65	850	850	235
	4	1200	450		10	124	110		47	1000	1000	235
2000 TO 2400	3	1200	450		8	129	110		65	850	850	235
	4	1200	450		10	124	110		47	1000	1000	235
2400 TO 0400	3	1200	450		8	132	110		64	850	850	240
	4	1200	450		10	130	110		47	850	850	240
0400 TO 0800	3	1200	450		8	130	108		63	850	850	240
	4	1200	450		10	130	110		47	1000	1000	240
0800 TO 1200	3	1200	450		8	132	110		63	850	850	240
	4	1200	450		10	130	110		47	1000	1000	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	11278630
	METER PREVIOUS NOON	11276180
	CONSUMED BY METER	2440
	ON HAND AT START OF DAY	3054
	RECEIVED DURING DAY	-0-
	EXPENDED DURING DAY	58
	REMAINING ON BOARD	2996
DOMESTIC WATER	ON HAND AT START OF DAY	1080
	EVAPORATED OR RECEIVED	-0-
	ON HAND	1050
	CONSUMED	30

BOILER WATER	ON HAND AT START OF DAY	340
	EVAPORATED OR RECEIVED	-0-
	ON HAND	310
	CONSUMED	30
LUBE OIL	ON HAND AT START OF DAY	2835
	RECEIVED	-0-
	ON HAND	2830
	CONSUMED	5
		1438
		1435
		3

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH Routine Port watch. Regular inspections of Machinery Spaces. Bildges at safe level. Dept. ok.

REEFER A. GINTEL - Oiler - Clint - F.W.T. Urrutia WATCH ENGR'S SIGNATURE- John Robert R/E
1600-2000 WATCH
Changed burners & cleaned F.O. Strainers - Leaking Shaker, secured in 3-167. Pumped Shaft Alley & Engine room Bildges. Routine inspections made of Machinery Spaces. Dept. ok.

REEFER C. MARVIN - Oiler Keelan F.W.T. Watkins WATCH ENGR'S SIGNATURE- John Robert R/E
2000-2400 WATCH
Routine Port watch. Regular inspections - Dept. ok.

REEFER C. MARVIN - Oiler Keelan F.W.T. WATKINS WATCH ENGR'S SIGNATURE- John Robert R/E
2400-0400 WATCH
Machinery in operation as before, changed & cleaned F.O. burners made routine rounds & inspections of machinery spaces bilges at safe level complied with S/O & N/O

Reefer D. Beans Oiler Guinan F.W.T. Urrutia WATCH ENGR'S SIGNATURE- Edward B. Meritt R/E
0400-0800 WATCH
Machinery as before, routine rounds & inspections pumped shaft alley bilges to safe level complied with S/O & N/O.

Reefer D. Beans Oiler Guinan F.W.T. Urrutia WATCH ENGR'S SIGNATURE- Edward B. Meritt R/E
0800-1200 WATCH
Machinery as before, changed & cleaned F.O. burners routine rounds & inspections of machinery spaces bilges at safe level, complied with S/O & N/O.

REEFER A. GINTEL Oiler Clint F.W.T. Urrutia WATCH ENGR'S SIGNATURE- Edward B. Meritt R/E
CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS	HOURS
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PHOS.	PHOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE- [illegible]

IN PORT

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. John Pope TAP110	68	Oakland N.S.C.	Berth H	P2-52-R2	12-3-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME						
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)						
TOTAL REVOLUTIONS (FOR WATCH)						
AVERAGE RPM						
F.O. METER (END OF WATCH)	1127 9020	1127 9430	1127 9820	1128 0230	1128 0590	1128 0980
F.O. CONSUMED	390	410	390	410	360	390
MACHINERY PARTICULARS – PRESSURES: THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM Aux.	29"	29"	29"	29"	29"	29"
L.O. TO TURBINES						
AUX. STEAM						
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						-

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING							
FORWARD L. P. ROTOR BEARING							
AFT. L.P. ROTOR BEARING							
HOTTEST GEAR BEARING FORWARD							
HOTTEST GEAR BEARING AFT							
AUX. COND. CONDENSATE		80	80	78	78	76	80
1ST STAGE FEED WATER HEATER							
D. C. FEED WATER HEATER		230	230	230	230	230	225
3RD STAGE FEED WATER HEATER							
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS		230	200	200	200	200	210
F. O. BACK PRESSURE							
AIR TO FURNACE		2"	2"	2"	2"	2	2.5"
UPTAKE							
MAIN STEAM		450	450	450	450	450	450
BOILER PARTICULARS – PRESSURES: SUPER HEAT							
F.O. TO BURNERS		190	190	190	190	190	190
F.O. TEMP. IN SETTLING TANKS		110/108	110/108	114/108	110/108	112/104	112/104
PORT BOILER UPTAKE							
STBD. BOILER UPTAKE		260	260	260	255	255	260
MISCELLANEOUS: ENGINE ROOM TEMPERATURE		78	78	76	72	72	72
FIRE ROOM TEMPERATURE		78	78	76	72	72	72
NOZZLES IN USE							
NO. OF BURNERS IN USE		1	1	1	1	1	1
BURNER TIP SIZE		53/60	53/60	53/60	53/60	53/60	53/60
CO_2 % PORT BOILER							
CO_2 % STBD. BOILER							
OIL LEVEL MAIN SUMP		3"	3'	3'	3'	3'	3'

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	450		8	132	110		63	850	850	240
	4	1200	450		10	130	108		47	1000	1000	240
1600 TO 2000	3	1200	450		8	132	110		63	850	850	240
	4	1200	450		10	130	110		47	1000	1000	240
2000 TO 2400	3	1200	450		8	132	110		63	850	850	240
	4	1210	450		10	130	110		47	1000	1000	240
2400 TO 0400	3	1200	450		8	132	112		63	850	850	240
	4	1200	450		10	130	108		47	850	850	240
0400 TO 0800	3	1200	450		8	130	110		63	950	950	240
	4	1200	450		10	130	108		47	950	950	240
0800 TO 1200	3	1200	450		10	128	108		63	950	950	240
	4	1200	450		8	130	108		47	950	950	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1128 0980	BOILER WATER	ON HAND AT START OF DAY	310
	METER PREVIOUS NOON	1127 8630		EVAPORATED OR RECEIVED	-0-
	CONSUMED BY METER	2350		ON HAND	280
	ON HAND AT START OF DAY	2,996		CONSUMED	30
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	2830
	EXPENDED DURING DAY	55		RECEIVED	-0-
	REMAINING ON BOARD	2,941		ON HAND	2820
DOMESTIC WATER	ON HAND AT START OF DAY	1050		CONSUMED	10
	EVAPORATED OR RECEIVED	-0-			1435
	ON HAND	1000			1432
	CONSUMED	50			3

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

RUNNING TIME		PERCENT OF SLIP	
DETENTION TIME		BBL FUEL/MI	
TOTAL REVOLUTIONS		WIND DIRECTION	
AVERAGE R.P.M.		STATE OF SEA	
TOTAL MILES BY ENGINE		STATE OF WEATHER	
TOTAL MILES BY OBSERVATION			

REMARKS

1200-1600 WATCH Routine Port Watch. Regular inspections of Machinery Spaces. Bilges at Safe Level. Changed F.O. Suction to Outboard Bottom @ 1600

F.W.T. Watkins Oiler. Clint REEFER Gintel WATCH ENGR'S SIGNATURE- John Robert R/E
1600-2000 WATCH
Changed F.O. Burner & strainers. Routine port watch. Regular inspections of Machinery Spaces. Bilges @ safe Level. Dept. ok.

(and Keelan)
F.W.T. Watkins Oiler-Clint. REEFER - C. MARVIN WATCH ENGR'S SIGNATURE- John Robert R/E
2000-2400 WATCH
Routine Port watch. Regular inspections made. Dept. ok.

REEFER - C. MARVIN F.W.T. Watkins Oiler-Keelan WATCH ENGR'S SIGNATURE- John Robert R/E
2400-0400 WATCH
Machinery in operation as usual, made routine rounds & inspections of machinery spaces, bilges at safe level complied with S/O & N/O.

REEFER D. BEANS OILER-GUINAN. F.W.T. Urruti WATCH ENGR'S SIGNATURE- Edward B Burrell R/E
0400-0800 WATCH
Machinery as usual, routine rounds & inspections changed F.O. burner bilges at safe level, complied with S/O & N/O.

REEFER D. BEANS · oiler-GUINAN. F.W.T. Urruti WATCH ENGR'S SIGNATURE- Edward B Burrell R/E
0800-1200 WATCH
Port Watch Mach. as Before. Pumping aft peak F.W. Tk. Bilges at Safe Level. Shifted & Cleaned Stbd F.O. Strainer. Stagg JR Engr Fail to Report For the Fireman Watch. Made Routine Rounds of Mach & Eqys Spaces. Shifted MUF. Suct to #2 Port @ 0900

Oiler Klint F.W.T. Pixley REEFER Gintel WATCH ENGR'S SIGNATURE- George Barney
CHIEF ENGINEER

BOILER WATER READINGS

STBD	PORT
HOURS	HOURS
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PHOS.	PHOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE- [illegible]