

USNS USS J. P. ROE (TCR-10) VOYAGE NO. 5E FROM UNCL TAU TO SAN FRANCISCO TYPE OF VESSEL PL-S2-R2 DATE 10/15-14/66

	WATCH						WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240	146	144	146	144	144	148
DETENTION TIME							134	136	139	136	134	139
REVOLUTION COUNTER (END OF WATCH)	1339	1342	1344	1346	1348	1350	3 4 86	86	86	86	86	86
TOTAL REVOLUTIONS (FOR WATCH)	2240	22330	20370	20820	20470	22370	172	170	170	170	170	170
AVERAGE RPM	93.5	93.0	92.6	94.7	93.0	93.2	240	240	238	238	238	237
F.O. METER (END OF WATCH)	1060	1060	1060	1061	1061	1061						
F.O. CONSUMED	2610	2690	2330	2690	2430	2630						
PRESSURES	THROTTLE	435	430	430	430	430						
	H.P. AHEAD	430	420	420	425	420						
	L.P. AHEAD	24	23	24	24	22						
	VACUUM	29.8	29.9	29.9	29.9	29.9						
	L.O. TO TURBINES	12.7	12.7	12.7	12.7	12.5						
	AUX. STEAM	140	135	135	135	135						
	BACK PRESSURE	9	9	9	9	9						
	GLAND STEAM	2.5	1.5	1.5	2.0	1.5						
	H.P. BLEEDER	70	62	70	70	80						
	L.P. BLEEDER	6	60	6	6	6						
TEMPERATURES	L.P. BLEEDER	11"	11"	12"	12"	11"						
	STEAM AT THROTTLE	720	725	722	725	720						
	L. P. EXHAUST	95	95	94	95	96						
	CONDENSATE	92	91	90	90	91						
	CIRC. WATER IN	58	56	55	56	58						
	CIRC. WATER OUT	75	75	72	74	75						
	L.O. TO COOLERS	124	124	124	124	124						
	L.O. FROM COOLERS	110	110	110	110	110						
	TEMPERATURE THRUST BEARING	112	110	112	112	112						
	FORWARD H.P. ROTOR BEARING	129	128	127	128	128						
MISCELLANEOUS	AFT. H.P. ROTOR BEARING	130	128	128	128	128						
	FORWARD L.P. ROTOR BEARING	125	124	125	126	125						
	AFT. L.P. ROTOR BEARING											
	MAIN COND. SALINITY		.4	.4		.4						
	ENGINE ROOM TEMPERATURE	83	84	84	84	86						
	FIRE ROOM TEMPERATURE	83	84	84	84	86						
	NOZZLES IN USE	18	18	18	18	18						
	NO. OF BURNERS IN USE	3	3	3	3	3						
	BURNER TIP SIZE	5/55	5/55	5/55	5/55	5/55						
	CO ₂ % PORT BOILER					86%						
BOILER PARTICULARS (CONT'D)	CO ₂ % STBD. BOILER					85%						
	OIL LEVEL MAIN SUMP	39"	310"	310"	310"	313"						
	TURB THRUST	HP 051	1037	1056	051	051						
		LB 135	135	135	135	135						
MACH. PARTICULARS (CONT'D)	HOTTEST GEAR BEARING FORWARD	146	144	146	144	144						
	HOTTEST GEAR BEARING AFT	134	136	139	136	134						
	AUX. COND. CONDENSATE	3 4 86	86	86	86	86						
	1ST STAGE FEED WATER HEATER	172	170	170	170	170						
	D. C. FEED WATER HEATER	240	240	238	238	238						
	3RD STAGE FEED WATER HEATER											
	SUPER HEAT	P 720	725	722	725	720						
	F.O. TO BURNERS	P 150	168	157	150	164						
	AIR TO FURNACE	P 103	114	104	102	114						
	F.O. TEMP. IN SETTLING TANKS	P 88	100	102	90	100						
PRESSURES	PORT BOILER UPTAKE											
	STBD. BOILER UPTAKE											
	F. O. BACK PRESSURE											
	MAIN STEAM	450	450	450	450	450						
	F.O. TO BURNERS	P 110	110	120	115	110						
	ENGINE ROOM TEMPERATURE	83	84	84	84	86						
	FIRE ROOM TEMPERATURE	83	84	84	84	86						
	NOZZLES IN USE	18	18	18	18	18						
	NO. OF BURNERS IN USE	3	3	3	3	3						
	BURNER TIP SIZE	5/55	5/55	5/55	5/55	5/55						
TEMPERATURES	CO ₂ % PORT BOILER					86%						
	CO ₂ % STBD. BOILER					85%						
	OIL LEVEL MAIN SUMP	39"	310"	310"	310"	313"						
	TURB THRUST	HP 051	1037	1056	051	051						
		LB 135	135	135	135	135						

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL					
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND
1200 TO 1600	3	1200	450	720	8	134	110		62	1150	1150	230	10616630	10601050	15580			
1600 TO 2000	3	1200	450	725	8	132	110		62	1100	1100	230						
	4			sec														
2000 TO 2400	3	1200	450	722	8	133	110		62	1150	1150	230						
	4																	
2400 TO 0400	3	1200	450	725	8	134	110		62	1150	1150	230						
0400 TO 0800	3	1200	450	720	8	134	110		62	1200	1200	23						
	4			sec														
0800 TO 1200	3	1200	450	727	8	134	111		62	1225	1200	230						
	4			sec														
LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)																		
L.O. CENTRIFUGE - HOURS OPERATED																		
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200												
	4	4	4	4	4	4												
SUMMARY																		
RUNNING TIME												PROPELLER SLIP (%)						
DETENTION TIME												BBL FUEL MI						
TOTAL REVOLUTIONS												WIND DIRECTION						
AVERAGE R.P.M.												STATE OF SEA						
TOTAL MILES BY ENGINE												STATE OF WEATHER						
TOTAL MILES BY OBSERVATION																		

1200-1600 WATCH

MACH. IN OPERATION. #3 & 4 (BURNERS, F.O. PUMPS, F.D. FANS, FEED PUMPS, M/N COND PUMPS)
 #3 GEN, M/N CURC, AIR COMP, PURIFIER, M/N L.O. PUMP, #3 POTABLE WATER PUMP
 CHANGED #2 BURNER
 PUMPED UP SETTLERS FROM 64 DB
 #3 & 4 BURNERS ON CONSTANT BLOW TO EVAP 2 HRS CAGI

CTR 1339E69C

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE. CHANGED AND CLEANED F.O. BURNER
 AND DISCH. STRAINER. #3 BOILER SALINITY 2.9 G/G #4 BOILER 2.9 G/G
 SECURED BOILER BLOW DOWN EVAP. @ 1930.
 BLEW TUBES IN #3, 4 BOILERS.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. IN OPER. AS BEFORE.
 CHANGED & CLEANED #5 BURNER & #3 F.O. DISCH. STRAINER.
 REMOVED SOOT BLOWER FOR REPAIR.
 SET CLOCK AHEAD @ 2300. PUMPED BILGES.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE.
 CHANGED #4 BURNER & SUCT STRNR
 PUMPED UP SETTLER FROM 64 DB
 ADVANCED CLOCK 20 MINS @ 0134
 TESTED TURBINE TRIPS

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE. ADVANCED CLOCK 20 MIN @ 0520
 CLEANED AND CHANGED #2 F.O. BURNER AND DISCH. STRAINER.
 CLEANED AND INSPECTED MAIN L.O. STRAINER.
 TESTED AND COMPOUNDED #3, 4 BOILERS.
 REPLACED SOOT BLOWER ON #4 BOILER.

WATCH ENGR'S SIGNATURE-

MAKE UP FEED SALINITY TEST #2 STOP. 2 G/G

0800-1200 WATCH

MACH. IN OPER. AS BEFORE.
 BLEW TUBES #3-4 BOILERS
 CHANGED & CLEANED #6 BURNER & #3 F.O. DISC STRAINER
 MAKE 4 NAME PLATES FOR #2 P/S - M.U.F. TANKS & POT. WATER PUMP
 SUCTION.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 986	HOURS 1002
AKL 2.33	AKL 2.92
T-AKL 3.5	T-AKL 4.08
SAL. 2.9	SAL. 2.9
PHOS. 10	PHOS. 10
R-ph 31	R-ph 23

CHIEF ENGR'S SIGNATURE-

USNS Gen. John Pope (FAP 110) VOYAGE NO. 5e FROM Vung Tau TO San Francisco TYPE OF VESSEL P2G DATE 10-16-17-66

		WATCH								WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME		240	240	220	220	220	240			HOTTEST GEAR BEARING FORWARD		146	144	147	146	144	146	
DETENTION TIME										HOTTEST GEAR BEARING AFT		136	136	137	136	136	136	
REVOLUTION COUNTER (END OF WATCH)		1352 7770	1355 0380	1357 1050	1359 1770	1361 2690	1363 4520			AUX. COND. CONDENSATE		3 4	88	88 sec	90 sec	90 sec	83 sec	
TOTAL REVOLUTIONS (FOR WATCH)		22720	22610	20670	20720	20920	21830			1ST STAGE FEED WATER HEATER		170	170	171	170	170	169	
AVERAGE RPM		94.7	94.2	93.9	94.2	95.1	90.9			O. C. FEED WATER HEATER		238	238	238	238	238	239	
F.O. METER (END OF WATCH)		1061 9460	1062 2150	1062 4560	1062 7120	1062 9610	1063 2010			3RD STAGE FEED WATER HEATER								
F.O. CONSUMED		2830	2690	2410	2560	2490	2400											
PRESSURES	THROTTLE	435	430	430	430	430	435			SUPER HEAT		P	720	720	721	720	715	718
	H.P. AHEAD	430	420	420	425	420	430					S	720	720	721	720	715	718
	L.P. AHEAD	23	23	23	23	23	20			F.O. TO BURNERS		P	150	156 150	150 150	190	198 192	190 190
	VACUUM	29.8	29.9	29.9	29.9	29.9	29.9					S	105	108	108	109	108	106
	L.O. TO TURBINES	12.7	12.7	12.7	12.8	12.5	12.6			AIR TO FURNACE		P	105	108	108	109	108	106
	AUX. STEAM	135	135	135	135	130	130					S	108	109	105	109	110	110
	BACK PRESSURE	9	9	9	9	9	9			F.O. TEMP. IN SETTLING TANKS		P	94	94	98	113	108	104
	GLAND STEAM	1.5	1.5	1.5	1.5	1.5	2.0					S	1	SEC	sec	sec	sec	10.3
	H.P. BLEEDER	70	78	76	70	76	70			PORT BOILER UPTAKE								
	L.P. BLEEDER	6	6	6	6	6	6			STBD. BOILER UPTAKE								
TEMPERATURES	STEAM AT THROTTLE	720	720	721	720	715	718			F.O. BACK PRESSURE								
	L. P. EXHAUST	97	98	98	100	100	96			MAIN STEAM		P	450	450	450	450	450	460
	CONDENSATE	90	92	92	92	94	90			F.O. TO BURNERS		S	110	115 110	110 110	115 110	120 110	105 100
	CIRC. WATER IN	57	58	59	59	60	58					P	51	51	51	51	51	51
	CIRC. WATER OUT	74	76	74	77	78	74			ENGINE ROOM TEMPERATURE			85	88	90	87	88	88
	L.O. TO COOLERS	125	124	125	125	124	124			FIRE ROOM TEMPERATURE			85	88	90	87	88	88
	L.O. FROM COOLERS	110	110	110	110	110	110			NOZZLES IN USE			18	18	18	18	18	16
	TEMPERATURE THRUST BEARING	112	112	113	112	110	111			NO. OF BURNERS IN USE		P	3	3	3	3	3	3
	FORWARD H.P. ROTOR BEARING	128	128	127	129	130	127					S	3	3	3	3	3	3
	AFT. H.P. ROTOR BEARING	128	128	130	130	130	130			BURNER TIP SIZE		P	51	51	51	51	51	51
FORWARD L.P. ROTOR BEARING	125	125	125	125	125	125					S	51	51	51	51	51	51	
AFT. L.P. ROTOR BEARING									CO ₂ % PORT BOILER				86.2%		86.2%			
									CO ₂ % STBD. BOILER				85.3%		85.3%			
									OIL LEVEL MAIN SUMP			3'4"	3'3"	3'3"	3'4"	3'3"	3'4"	
									TURBINE OIL			0.51	0.51	0.51	0.51	0.51	0.51	

1200-1600 WATCH

MACH AS BEFORE
 CHANGED #1 BURNER
 WEATHER STBY @ 1217 LT 1412
 REPAIRING TANK LEVEL GAUGES
 PUMPED SETTLER FROM 6th D.B.

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACHINERY AS BEFORE
 CHANGED AND CLEANED #1 F.O. BURNER AND DISCH. STRAINER.
 BLEW TUBES IN #3, 4 BOILERS.
 STBY 1553, LT 1623, FOS.

WATCH ENGR'S SIGNATURE

MAKE UP FEED SALINITY TEST #2 STD. 2515

2000-0400 WATCH

MACH AS BEFORE

CHANGED #2 BURNER & SUCT. STRNR
 ADVANCED CLOCK 20 mins @ 0043
 PUMPED SETTLER FROM 7th D.B. (B-C) RAISED BURNING TEMP TO 190°
 TESTED TURBINE TRIPS

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

MACH. AS BEFORE.

CHANGED & CLEANED #5 BURNER AND #3 F.O. DISCH. STRAINER.
 REMOVED SOOT BLOWER FOR REPAIR.
 ADVANCE CLOCK 20' @ 2300.

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

MACHINERY AS BEFORE CHANGED AND CLEANED #2 F.O.
 BURNER AND DISCH. STRAINER. CLEANED AND INSP. MAIN L.O. STRAINER.
 ADVANCED CLOCK 20 MIN. @ 0500 TESTED AND COMPANED #3, 4 BOILERS.
 REPLACED SOOT BLOWER ON #4 BOILER.

WATCH ENGR'S SIGNATURE

MAKE UP FEED SALINITY TEST #2 STD. 2515

0800-1200 WATCH

MACH. AS BEFORE EXCEPT.

REDUCE SPEED TO 16 NODES. @ 0800 - B.O.B
 BLEW TUBES #3 & #4 BOILERS. - CHANGED & CLEANED #6 BURNER &
 #3 F.O. DISCH. STRAINER.

OIL LEAK #3 GEN. LUBE OIL COOLER. TIGHTEN FLANGE.
 STBY & COLLISION DRILL @ 1015. SECURE FROM DRILL @ 1031. LT @ 1032.

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1010	HOURS 1026
AKL 11.10	AKL 11.10
T-AKL 15.18	T-AKL 15.77
SAL. 4.14	SAL. 4.14
PHOS. 40	PHOS. 40
R.ph 10.5	R.ph 10.5

CHIEF ENGR'S SIGNATURE

USNS Gen. John Pope (T-AP-110) VOYAGE NO. 5c FROM Vung Tau TO San Francisco TYPE OF VESSEL P26 DATE 10-17-18-66

		WATCH								WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME		240	240	240	240	240	240											
DETENTION TIME																		
REVOLUTION COUNTER (END OF WATCH)		1635 6270	1367 7600	1369 8420	1371 9300	1374 0090	1376 0040											
TOTAL REVOLUTIONS (FOR WATCH)		21750	21330	20920	20880	20790	19950											
AVERAGE RPM		90.6	93.0	87.1	87.4	86.6	83.1											
F.O. METER (END OF WATCH)		1063 4500	1063 6760	1063 8910	1064 1170	1064 3050	1064 5140											
F.O. CONSUMED		2490	2260	2150	2260	1880	2090											
PRESSURES	THROTTLE	435	440	440	435	435	440											
	H.P. AHEAD	430	430	430	430	430	435											
	L.P. AHEAD	19	16	17	15	15	10											
	VACUUM	29.8	29.9	29.9	29.9	29.9	29.9											
	L.O. TO TURBINES	12.7	12.5	12.8	12.7	12.5	12.8											
	AUX. STEAM	140	130	130	130	130	13											
	BACK PRESSURE	9	9	9	9	9	9											
	GLAND STEAM	2.5	1.8	2.0	2.0	2.0	1.5											
	H.P. BLEEDER	70	62	64	70	60	60											
	I.P. BLEEDER	4	6	6	4	6	6											
	L.P. BLEEDER	12"	11"	14"	14"	15"	18"											
	TEMPERATURES	STEAM AT THROTTLE	712	705	709	710	715	715										
L. P. EXHAUST		97	96	96	97	97	96											
CONDENSATE		91	89	92	90	92	88											
CIRC. WATER IN		60	61	63	63	64	64											
CIRC. WATER OUT		76	76	76	76	78	75											
L.O. TO COOLERS		124	124	124	124	124	122											
L.O. FROM COOLERS		110	110	110	110	110	110											
TEMPERATURE THRUST BEARING		111	110	111	111	110	109											
FORWARD H.P. ROTOR BEARING		128	125	125	125	125	123											
AFT. H.P. ROTOR BEARING		128	128	128	128	128	126											
FORWARD L.P. ROTOR BEARING		125	124	124	125	124	122											
AFT. L.P. ROTOR BEARING																		
MACH. PARTICULARS (CONT'D)		TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD	144	140	140	142	140	137								
				HOTTEST GEAR BEARING AFT	134	132	132	132	134	130								
				AUX. COND. CONDENSATE	3.4	88	88	90	88	90	90	90	90					
				1ST STAGE FEED WATER HEATER	167	165	161	162	165	160								
				D. C. FEED WATER HEATER	238	238	239	237	236	239								
				3RD STAGE FEED WATER HEATER														
				TEMPERATURES	P	SUPER HEAT	712	705	709	710	715	715						
						S	712	705	709	710	715	715						
						P	190	194	190	190	192	190						
						S	190	194	190	190	192	190						
						P	108	108	108	106	106	106						
						S	112	110	110	108	107	110						
PRESSURES	P	F.O. TO BURNERS	109	105	104	104	112	104										
		S		SEC			SEC											
		PORT BOILER UPTAKE																
		STBD. BOILER UPTAKE																
		F. D. BACK PRESSURE																
		S	450	450	450	450	450	450										
MISCELLANEOUS	P	MAIN STEAM	109	90	90	95	150	130	140	145	145							
		S	109	90	90	95	150	130	140	145	145							
		MAIN COND. SALINITY		.2	.2		.2	.2										
		ENGINE ROOM TEMPERATURE	88	88	88	85	90	88										
		FIRE ROOM TEMPERATURE	88	88	88	85	90	88										
		NOZZLES IN USE	16	14	14	14	12	12										
		NO. OF BURNERS IN USE	P	3	3	3	3	2	2									
			S	3	3	3	3	2	2									
		BURNER TIP SIZE	P	51/55	51/55	51/55	51/55	51/55	51/55									
			S	51/55	51/55	51/55	51/55	51/55	51/55									
		CO ₂ % PORT BOILER						85	84									
		CO ₂ % STBD. BOILER						86	86									
OIL LEVEL MAIN SUMP		3'4"	3'3"	3'3"	3'3"	3'3"	3'3"											
T/REB THRUST C.P.		051	051	051	051	051	051											

REMARKS

1200-1600 WATCH

MACH. IN OPERATION. #3 & 4 (BURNERS, F.O. PUMPS, FEED PUMPS, F.D. FANS, M/N COND PUMPS)
 AIR COMP, PURIFIER, M/N L.O. PUMP, M/N CIRC, #3 PORTABLE WATER PUMP.
 CHANGED #4 BURNER. PUMPED UP SCOTTERS FROM 7th D.B.
 PUMPED BALLAST OUT FROM STBD OUTBD SCOTTER.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY AS BEFORE. BLEW TUBES IN #3, 4 BOILERS.
 14 NOZZLES @ 1622 $\frac{1}{2}$ % BRIDGE.
 CHANGED AND CLEANED #1 F.O. BURNER #4 DISCH. STRAINER.

2000-2400 WATCH

MAKE UP FEED TANKS SAL. TEST #2 PORT AND STOP. 25/3 WATCH ENGR'S SIGNATURE-
 MACH. IN OPERATION AS BEFORE
 CLEANED & CHANGED #5 BURNER & #3 F.O. DISCH. STRAINER.
 REMOVED SOOT BLOWER FOR REPAIR.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE.
 TESTED TURBINE TRIPS.
 PUMPED SCOTTERS FROM 8th S.
 REMOVED #5 & 6 BURNERS

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE. CHANGED AND CLEANED #2 F.O. BURNER
 AND DISCH. STRAINER. CLEANED AND INSPECTED MAIN L.O. STRAINER.
 LINGER UP #3 P/S DEEP TANKS FOR EVAP. DISCH.
 REDUCED SPEED TO 12 NOZZLES @ 0642 $\frac{1}{2}$ % BRIDGE.
 TESTED AND COMPOUNDED #3, 4 BOILERS.
 REPLACED SOOT BLOWER IN #3 BOILER.

MAKE UP FEED SALINITY TOS #2 P/S TANKS 26/6 WATCH ENGR'S SIGNATURE-
 0800-1200 WATCH

MACH. IN OPER. AS BEFORE.
 BLEW TUBES #3 & 4 BOILERS. CHANGED & CLEANED #3 F.O. DISCH.
 STRAINER. PLUMBER REMOVED SINK DRAIN LINE TO UNPLUG.
 CHIEF ENG. & CAPTAIN INSPECTED MACH. SPACES. TEST RUN L.O. &
 STBY FEED PUMPS.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1034	HOURS 1050
AKL 9.93	AKL 11.10
T-AKL 14.02	T-AKL 16.35
SAL. 4.14	SAL. 4.14
PHOS. 40	PHOS. 40
R.ph 11	R.ph 11

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
Gen. John Pope (T-AP-110)		5e		Vung Tau		San Francisco		P2G		10/18-19-66	

	WATCH							WATCH					
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	220	220	220	240							
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)	1378 5170	1379 8750	1381 5790	1383 3030	1385 6320	1387 2320							
TOTAL REVOLUTIONS (FOR WATCH)	20130	18580	17040	17240	17290	19800							
AVERAGE RPM	63.9	77.4	77.4	78.4	78.6	82.5							
F.O. METER (END OF WATCH)	1064 7170	1064 8946	1043 0480	1065 2120	1065 3680	1053 5620							
F.O. CONSUMED	2030	1770	1540	1610	1560	1940							
PRESSURES	THROTTLE	440	440	440	440	435							
	H.P. AHEAD	435	435	435	435	430							
	L.P. AHEAD	12	8	8	8	8							
	VACUUM	29.8	29.9	29.9	29.9	29.9							
	L.O. TO TURBINES	12.7	12.7	12.7	12.7	12.7							
	AUX. STEAM	140	130	130	135	130							
	BACK PRESSURE	9	9	9	9	9							
	GLAND STEAM	2.0	1.5	1.5	1.5	1.5							
	H.P. BLEEDER	70	50	50	50	50							
	L.P. BLEEDER	6	6	6	6	6							
TEMPERATURES	STEAM AT THROTTLE	700	735	710	705	705							
	L.P. EXHAUST	96	95	94	93	92							
	CONDENSATE	89	88	86	86	86							
	CIRC. WATER IN	64	65	63	63	64							
	CIRC. WATER OUT	76	76	74	74	74							
	L.O. TO COOLERS	122	122	120	121	120							
	L.O. FROM COOLERS	110	110	110	110	110							
	TEMPERATURE THROTTLE BEARING	110	108	107	108	108							
	FORWARD H.P. ROTOR BEARING	125	124	122	122	120							
	AFT. H.P. ROTOR BEARING	126	124	122	122	122							
MISCELLANEOUS	FORWARD L.P. ROTOR BEARING	134	120	120	120	120							
	AFT. L.P. ROTOR BEARING												
	HOTTEST GEAR BEARING FORWARD	143	136	134	134	136							
	HOTTEST GEAR BEARING AFT	135	128	127	127	128							
	AUX. COND. CONDENSATE	3 4	90 90	90 90	90 90	88 88							
	1ST STAGE FEED WATER HEATER	160	155	155	156	155							
	D. C. FEED WATER HEATER	238	238	238	238	238							
	3RD STAGE FEED WATER HEATER												
	SUPER HEAT	P 700 S 700	735 735	710 710	705 705	705 705							
	F.O. TO BURNERS	P 190 S 190	200 196	190 190	190 190	194 192							
PRESSURES	AIR TO FURNACE	P 105 S 108	104 105	104 105	102 105	102 105							
	F.O. TEMP. IN SETTLING TANKS	P 104 S 104	104 104	103 103	104 104	106 104							
	PORT BOILER UPTAKE		-			-							
	STBD. BOILER UPTAKE		-			-							
	F. O. BACK PRESSURE		-			-							
	MAIN STEAM	P 450 S 450	450 450	450 450	450 450	450 450							
	F.O. TO BURNERS	P 140 S 140	100 135	105 125	110 110	110 110							
	MAIN COND. SALINITY		.2	.2	.2	.2							
	ENGINE ROOM TEMPERATURE	85	88	86	84	84							
	FIRE ROOM TEMPERATURE	85	88	86	84	84							
TEMPERATURES	NOZZLES IN USE	12	10	10	10	10							
	NO. OF BURNERS IN USE	P 2 S 2	2 2	2 2	2 2	2 2							
	BURNER TIP SIZE	P 51/55 S 51/55	51/55 51/55	51/55 51/55	51/55 51/55	51/55 51/55							
	CO. 2 PORT BOILER					85390							
	CO. 2 STBD. BOILER					8790							
	OIL LEVEL MAIN SUMP	3'4"	3'2"	3'2"	3'3"	3'2"							
	HP	051 135	051 135	051 135	051 135	051 135							
	LP	051 135	051 135	051 135	051 135	051 135							
	TRUST												
	4RB												

WATCH	GENERATORS											FUEL - WATER AND LUBE OIL												
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	
1200 TO 1600	3	1200	450	700	8	134	110		62	1100	1100	230	10655620	10645140	10480									
1600 TO 2000	3	1200	450	735	8	134	110		62	1150	1150	230												
	4				sec																			
2000 TO 2400	3	1200	450	710	8	132	110		62	1000	1000	230												
	4				sec																			
2400 TO 0400	3	1200	450	705	8	132	110		62	1050	1050	230												
	4				sec																			
0400 TO 0800	3	1200	450	705	8	132	110		62	1050	1050	230												
	4				sec																			
0800 TO 1200	3	1200	450	695	8	130	108		62	1050	1050	230												
	4				sec																			

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

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

REMARKS

1200-1600 WATCH

MACH. IN OPERATION #3 & #4 (BURNERS, F.O. PUMPS, FEED PUMPS, F.D. FANS, #3 GEN.
 #4 M/N COND PUMP, AIR COMP, PURIFIER, #3 RETAINING PUMP, #4 L.O. PUMP.
 PUMPED UP SETTLERS FROM 8 1/2 D.B.
 PUMPED OUT 7 1/2 D.B.
 FIRE DRILL & STBY @ 1515, SEC FIRE DRILL @ 1532, BOAT DRILL @ 1533
 SEC FROM DRILL & 4 @ 1538

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE.
 80 R.P.M. @ 1600 O/O BRIDGE.
 CHANGED AND CLEANED 1, 2 F.O. BURNERS AND DISCH. STRAINER.
 BLEW TUBES IN #3, 4 BOILERS.

MAKE UP FEED SALINITY TEST #2 1/2 2 5/5

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

MACH. IN OPER. AS BEFORE.
 CHANGED & CLEANED #5 & #6 BURNERS. & #3 F.O. DISCH. STRAINER
 REMOVED SOOT BLOWER FOR REPAIR.
 ADVANCE CLOCK 20' @ 2300.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACH. AS BEFORE.
 CLEANED SUCT STRNR
 ADVANCED CLOCK 20 MINS TO 0103
 STRIPPED OUT 7 1/2 D.B.
 PUMPED SETTLERS FROM 8 1/2 D.B.
 SECURED #3 M/N COND PUMP.
 TESTED TURBINE TRIPS

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

MACHINERY AS BEFORE. CHANGED AND CLEANED #3, 4 F.O.
 BURNERS AND DISCHARGE STRAINER. CLEANED AND INSP. MAIN L.O. STRAINER.
 ADVANCED CLOCK 20 MIN. @ 0500
 REPLACED SOOT BLOWER IN #3 BOILER.
 INCREASED SPEED TO 84 R.P.M. @ 0725 O/O BRIDGE, ON 12 NOZZLES.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

MACH. IN OPERATION AS BEFORE.
 BLEW TUBES #3 & #4 BOILERS.
 CLEANED #5 & #6 BURNERS & F.O. DISCH. STRAINER #3.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1058	HOURS 1074
AKL 9.93	AKL 11.68
T-AKL 14.02	T-AKL 16.35
SAL. 3.73	SAL. 3.73
PHOS. 40	PHOS. 40
R.ph 11	R.ph 11

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
Gen John Pope (T-AP-110) 5e		Yang Tau		San Francisco		P26		10/19-20-66					
WATCH													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
WATCH													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
RUNNING TIME		240		240		220		220		100			
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)		1388		1390		1392		1394		1395			
TOTAL REVOLUTIONS (FOR WATCH)		19550		21640		18010		18310		6530			
AVERAGE RPM		81.5		90.1		81.8		83.3		65.3			
F.O. METER (END OF WATCH)		1065		1065		1066		1066		1066		1066	
F.O. CONSUMED		1970		1940		1710		1860		1520		490	
PRESSURES		THROTTLE		435		435		435		435			
		H.P. AHEAD		430		430		430		430			
		L.P. AHEAD		11		11		11		11.5			
		VACUUM		29.9		29.9		29.9		29.9		V 14.5	
		L.O. TO TURBINES		12.7		12.7		12.7		12.7		A 13.2	
		AUX. STEAM		135		130		130		135		A 130	
		BACK PRESSURE		9		9		9		9		V 9	
		GLAND STEAM		2.0		1.8		1.6		2.0		V 1.0	
		H.P. BLEEDER		50		52		52		54		V 5	
		L.P. BLEEDER		6		6		6		6		V 5	
		L.P. BLEEDER		16"		16"		17"		17"			
TEMPERATURES		STEAM AT THROTTLE		700		715		700		700		M	
		L. P. EXHAUST		92		92		86		88		M	
		CONDENSATE		86		82		80		78		N 81	
		CIRC. WATER IN		61		58		61		53		E 60	
		CIRC. WATER OUT		73		71		66		64		V 62	
		L.O. TO COOLERS		121		122		122		121		V 110	
		L.O. FROM COOLERS		110		110		110		110		E 110	
		TEMPERATURE THRUST BEARING		107		108		107		105		R	
		FORWARD H.P. ROTOR BEARING		124		122		120		121		N	
		AFT. H.P. ROTOR BEARING		122		122		124		122		6	
		FORWARD L.P. ROTOR BEARING		122		118		120		121			
		AFT. L.P. ROTOR BEARING											
MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD		138		138		138		138			
		HOTTEST GEAR BEARING AFT		126		130		128		128			
		AUX. COND. CONDENSATE		3/4		88		84/sec		89/sec		E 82	
		1ST STAGE FEED WATER HEATER		160		155		159		158		A	
		D. C. FEED WATER HEATER		238		238		237		238		R 236	
		3RD STAGE FEED WATER HEATER											
TEMPERATURES		SUPER HEAT		P 700		715		700		700		O	
				S 700		715		700		700		U	
		F.O. TO BURNERS		P 190		196		190		190		S 200	
				S 190		196		190		190			
		AIR TO FURNACE		P 102		102		98		98			
				S 102		102		100		99			
		F.O. TEMP. IN SETTLING TANKS		P 108		106		106		100		M	
				S		SEC						A	
		PORT BOILER UPTAKE				-						U	
		STBD. BOILER UPTAKE				-						U	
		F. O. BACK PRESSURE				-						U	
		MAIN STEAM		P 450		450						R	
				S 450		450							
		F.O. TO BURNERS		P 110		110		130		125		190	
				S 110		110		130		125			
		MAIN COND. SALINITY		.2		.2		.2				.2	
		ENGINE ROOM TEMPERATURE		84		84		82		79		80	
		FIRE ROOM TEMPERATURE		84		84		82		79		80	
		NOZZLES IN USE		12		12		12		12			
		NO. OF BURNERS IN USE		P 2		2		2		2			
				S 2		2		2		2			
		BURNER TIP SIZE		P 51/55		51/55		51/55		51/55		60/60	
				S 51/55		51/55		51/55		51/55			
		CO2 % PORT BOILER											
		CO2 % STBD. BOILER											
		OIL LEVEL MAIN SUMP		34"		32"		32"		34"		32"	
				10.05		10.05		10.05		10.05			
				1.35		1.25		1.35		1.35			

WATCH																							
GENERATORS																							
GENERATOR NUMBERR.P.M.STEAM PRESSURESTEAM TEMP.L.O. PRESSUREL.O. TO COOLERL.O. FROM COOLERTEMP. OF HOTTEST BEARINGL.O. GOVERNOR PRESSUREAMPS POSITIVEAMPS NEGATIVEVOLTS																							
1200 TO 1600		3		1200		450		700		8		132		110		62		1050		1050		230	
1600 TO 2000		3		1200		450		715		8		132		110		62		1150		1150		230	
		4						SEC															
2000 TO 2400		3		1200		450		700		8		132		116		62		1025/1000		1000		230	
		4																					
2400 TO 0400		3		1200		450		700		8		132		110		62		1050		1050		230	
		4																					
0400 TO 0800		3		1200		450		700		8		132		110		62		1100		1100		230	
		4						104125															
0800 TO 1200		3		1200		450				8		136		114		62		1000		1000		230	
		4																					
FUEL - WATER AND LUBE OIL																							
METER AT NOON10665110																							
METER PREVIOUS NOON10655620																							
CONSUMED BY METER																							
ON HAND AT START OF DAY																							
RECEIVED DURING DAY																							
EXPENDED DURING DAY																							
REMAINING ON BOARD																							
ON HAND AT START OF DAY																							
EVAPORATED OR RECEIVED																							
ON HAND																							
CONSUMED																							
ON HAND AT START OF DAY																							
RECEIVED																							
ON HAND																							
CONSUMED																							
ON HAND																							
RECEIVED																							
CONSUMED																							
LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)																							
L.O. CENTRIFUGE - HOURS OPERATED																							
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200																							
444444																							
SUMMARY																							
RUNNING TIME																							
DETENTION TIME																							
TOTAL REVOLUTIONS																							
AVERAGE R.P.M.																							
TOTAL MILES BY ENGINE																							
TOTAL MILES BY OBSERVATION																							
PROPELLER SLIP (%)																							
BBL FUEL/MI																							
WIND DIRECTION																							
STATE OF SEA																							
STATE OF WEATHER																							

REMARKS

1200-1600 WATCH

WAG, IN OPERATION. #3 & 4 (BURNERS, F.O. PUMPS, F.D. FANS, FEED PUMPS) #3 LOW, W/N
CIRC, #3 POTABLE WATER PUMP, #4 W/N COND PUMP, AIR COMP, PURIFIER, W/N L.O. PUMP
PUMPED UP SETTLERS FROM S & D.B.
DE-BALLASTED STBD OUTBD SETTLER
SEC'D #3 & 4 BURNERS & LT OFF #1 & 2.

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

MACHINERY IN OPERATION AS BEFORE. CHANGED AND CLEANED
#3, 4 F.O. BURNERS AND DISCH. STRAINER. BLEW TUBES IN #3, 4 BOILERS.

MAKE UP FEED TANKS SALINITY #2 1/5 .2 5/5

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

MACH. IN OPER. AS BEFORE
CHANGED & CLEANED #5 & 6 BURNERS & #3 F.O. DISCH. STRAINER.
REMOVED SOOT BLOWER FOR REPAIR.
HELD CASUALTY ENG. DRILL E-13. HMEN PRESENT BRIDGE NOTIFIED.
ADVANCE CLOCK 20' @ 2300.

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

WAG AS BEFORE
CHANGED #5 & 6 BURNERS PUT IN #1 & 2. CHANGED SUEET STRINER.
FLUSHED BILGES. TESTED TURBINE TRIPS
ADVANCED CLOCK 20 mins @ 0015
HELD ENGINE CASUALTY DRILL E-13 HMEN WITH PERSONNEL
PUMPED SETTLERS FROM S & D.B.
SPILT PLANT

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

ARRIVAL 0600	ADVANCED CLOCK 20 MIN @ 0400. HELD ENGINE
P. LTR 13952730	CASUALTY DRILL E-13 0500-0530 HMEN PRESENT,
S. LTR 14532830	BRIDGE NOTIFIED. BELLS AS ENTERED IN BELL BOOK.
P. FOM 3398330	TESTED AND COMPOUNDED #3, 4 BOILERS.
S. FOM 7265740	

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

BELLS AS PER BELL BOOK. SECURED PORT BOILER. ENGINE ON
F.W.E. @ 0850 JACKING GEAR. MAINTAIN VACUUM.
P. CNTR 13959610
S. CNTR 14539640
P. FOM 3398720
S. FOM 7266170

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1082	HOURS 1098
AKL 9.34	AKL 11.68
T-AKL 13.43	T-AKL 16.35
SAL. 3.74	SAL. 3.73
PHOS. 40	PHOS. 40
R.ph 11	R.ph 11

CHIEF ENGR'S SIGNATURE

UNITS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
AT GEN. PCPC ALAMEDA				AT ALAMEDA				P252-R2		10/20-21/60	

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME								MACH. PARTICULARS (CONT'D)							
DETENTION TIME								TEMPERATURES (CONT'D)							
REVOLUTION COUNTER (END OF WATCH)								HOTTEST GEAR BEARING FORWARD							
TOTAL REVOLUTIONS (FOR WATCH)								HOTTEST GEAR BEARING AFT							
AVERAGE RPM								AUX. COND. CONDENSATE		82	82	83	83	81	
F.O. METER (END OF WATCH)		1066 5480	1066 6210	1066 6598	1066 7190	1066 7720	1066 8290	1ST STAGE FEED WATER HEATER							
F.O. CONSUMED		370	530	590	600	530	570	D. C. FEED WATER HEATER		238	238	237	237	230	P L
								3RD STAGE FEED WATER HEATER							
								SUPER HEAT		P					A
								F.O. TO BURNERS		180	190	190	200	190	N T
								AIR TO FURNACE		P					
								F.O. TEMP. IN SETTLING TANKS		S	4	4	4.5	97	95
								PORT BOILER UPTAKE							
								STBD. BOILER UPTAKE							
								F. O. BACK PRESSURE							S
								MAIN STEAM		440	460	460	460	460	E
								F.O. TO BURNERS		160	160	170	175	150	C
								MAIN COND. SALINITY							V
								ENGINE ROOM TEMPERATURE		78	78	77	80	80	R
								FIRE ROOM TEMPERATURE		78	78	77	86	80	E D
								NOZZLES IN USE							
								NO. OF BURNERS IN USE		P					
								BURNER TIP SIZE		S	53 60	52 60	52 60	53 60	
								CO ₂ % PORT BOILER							
								CO ₂ % STBD. BOILER							
								OIL LEVEL MAIN SUMP		3'2"	3'2"	3'2"	3'2"	3'2"	

		PRESSURES						TEMPERATURES							
THROTTLE								STEAM AT THROTTLE							
H.P. AHEAD								L. P. EXHAUST		108	108	106	106		
L.P. AHEAD								CONDENSATE		82	82	81	81		
VACUUM		24"	24"	24"	24"			CIRC. WATER IN		62	62	60	60		
L.O. TO TURBINES		13.5	13.5	13.5	13.5			CIRC. WATER OUT		63	62	62	62		
AUX. STEAM		130	130	130	130			L.O. TO COOLERS		100	100	103	103		
BACK PRESSURE		9	9	9	9			L.O. FROM COOLERS		98	98	102	102		
GLAND STEAM		1	1	1	1			TEMPERATURE THRUST BEARING							
H.P. BLEEDER								FORWARD H.P. ROTOR BEARING							
I.P. BLEEDER								AFT. H.P. ROTOR BEARING							
L.P. BLEEDER								FORWARD L.P. ROTOR BEARING							
								AFT. L.P. ROTOR BEARING							

		GENERATORS										FUEL - WATER AND LUBE OIL									
		GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL	
1200 TO 1600														METER AT NOON	10668290	ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		ON HAND	
														METER PRE- VIOUS NOON	10665110	CONSUMED		ON HAND		CONSUMED	
														CONSUMED BY METER	3180	RECEIVED DURING DAY		ON HAND AT START OF DAY		RECEIVED	
														ON HAND AT START OF DAY		EXPENDED DURING DAY		ON HAND		CONSUMED	
														RECEIVED DURING DAY		REMAINING ON BOARD		ON HAND AT START OF DAY		RECEIVED	
														ON HAND AT START OF DAY		ON HAND		ON HAND		CONSUMED	
1600 TO 2000		3	1200	450		8	132	110		62	1050	1058	240	ON HAND AT START OF DAY		ON HAND		ON HAND		ON HAND	
														EVAPORATED OR RECEIVED		ON HAND		ON HAND		ON HAND	
														ON HAND		ON HAND		ON HAND		ON HAND	
														CONSUMED		ON HAND		ON HAND		ON HAND	
2000 TO 2400		3	1200	450		8	134	110		62	1060	1066	240	ON HAND AT START OF DAY		ON HAND		ON HAND		ON HAND	
														EVAPORATED OR RECEIVED		ON HAND		ON HAND		ON HAND	
														ON HAND		ON HAND		ON HAND		ON HAND	
														CONSUMED		ON HAND		ON HAND		ON HAND	
2400 TO 0400		3	1200	450		8	132	110		62	950	950	230	ON HAND AT START OF DAY		ON HAND		ON HAND		ON HAND	
														EVAPORATED OR RECEIVED		ON HAND		ON HAND		ON HAND	
														ON HAND		ON HAND		ON HAND		ON HAND	
														CONSUMED		ON HAND		ON HAND		ON HAND	
0400 TO 0800		3	1200	450		8	132	110		62	1050	1050	230	ON HAND AT START OF DAY		ON HAND		ON HAND		ON HAND	
														EVAPORATED OR RECEIVED		ON HAND		ON HAND		ON HAND	
														ON HAND		ON HAND		ON HAND		ON HAND	
														CONSUMED		ON HAND		ON HAND		ON HAND	
0800 TO 1200		SECURED												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	

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

REMARKS

1200-1600 WATCH

MACHINERY IN OPERATION: #3 BOILER, F.P. FAN, F.D. PUMP, F.O. SU. PUMP, MAIN L.O., CIRC., AND COND. PUMPS, AIR COMP. #3 GEN. AND AUXS. L.O. PURIF. REPLACED SOOT BLOWER ON #3 BOILER. #4 BOILER SECURED.

WATCH ENGR'S SIGNATURE-

D.J. Addison

1600-2000 WATCH

PORT WATCH MACH. IN OPERATION AS BEFORE. MAIN UNIT ON JACKED GEAR. VACUUM UP ON 2ND STAGE. SHIFTED AND CLEANED F.O. STRAINER ON STD HEATER. BILGES AT SAFE LEVEL. COMPLIED WITH STANDING & NIGHT ORDERS. MADE ROUTINE INSPECTIONS OF MACH & ENGR SPACES.

OILER-DARRIDGE FWT-GRAYSON ELECT W. BROOKS
2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

George Bunney

PORT WATCH MACH. IN OPERATION AS BEFORE. BILGES AT SAFE LEVEL. CARRIED OUT ALL STANDING & NIGHT ORDERS. MADE ROUTINE INSPECTIONS OF MACH & ENGR SPACES.

GRAY FWT. FAIL TO SHOW UP FOR THE 2000 TO 2400 WATCH

OILER-BELL FWT-GRAYSON. ELECT. BROOKS.
2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

George Bunney

PORT WATCH. MACH. IN OPER. AS BEFORE.

ROUTINE INSPECTION OF MACH. SPACES. BILGES AT A SAFE LEVEL.

CARRIED OUT NIGHT ORDERS.

URRUTIA - F.W.T. FAILED TO SHOW UP FOR 0000-0800 WATCH.

OILER MGREOS. ELECT-BROOKS.
0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

J.M. Donald

MACH. AS BEFORE EXCEPT - JACKING GEAR DISENGAGED - STEAM ON THROTTLE @ 0600. TIME CHECK 0559. TEST TELEGRAPH @ 0601.

PERMISSION TO ROLL ENGINES WITH STEAM 0605.

STBY @.

TIME & TELE CHK. @ 0734.

OILER-MGREOS. ELECT.-BROOKS.

URRUTIA - F.W.T. FAILED TO SHOW UP FOR WATCH.
0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

J.M. Donald

SHIFTING SHIP ALAMEDA NAVY DOCK TO TOOL DRYDOCK

STBY 0809

F.W.T 1009

BELL: AS ENTERED IN BELL POST.

P CTR. 13959970

P CTR 17962350

PLANT SECURED AND ON SHORE

S CTR. 14540140

S CTR 14542770

POWER @ 1100. BOTH BOILERS

P FOM. 7269080

P FOM 7269500

SECURE. MAIN UNIT JACKING OVER.

S FOM. 3398730

S FOM 3398730

F.W.T URRUTIA OILER-DARRIDGE

WATCH ENGR'S SIGNATURE-

D.J. Addison

CHIEF ENGINEER

BOILER WATER READINGS

STBD 1105 PORT 1098

HOURS HOURS

AXL AXL

T-AXL T-AXL

SAL. SAL.

PHOS. PHOS.

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

D.J. Addison

REMARKS

1200-1600 WATCH

PLANT SECURED. DAY WORKERS WORKING ON VARIOUS
MAINTANENCE JOBS UNDER SUPERVISION OF SHIPS ENGINEERS

WATCH ENGR'S SIGNATURE-

[Signature]

1600-2000 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

G. L. Hearne

2000-2400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

G. L. Hearne

2400-0400 WATCH

PLANT SEC'D

WATCH ENGR'S SIGNATURE-

W. E. Brasington

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

W. E. Brasington

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

W. E. Brasington

CHIEF ENGINEER

Plant secured

FOOD & WATER READINGS

APL 1105 1098
T-APL 1098
BAPL 1098
R-APL 1098
R-ph 1098

CHIEF ENGR'S SIGNATURE-

[Signature]

REMARKS

1200-1600 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

B. L. Hearne R/E

1600-2000 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

B. L. Hearne R/E

2000-2400 WATCH

Put ~~in~~ Plant secured

WATCH ENGR'S SIGNATURE-

B. L. Hearne R/E

2400-0400 WATCH

PUT WARMING FIRES IN #4 BUR

WATCH ENGR'S SIGNATURE-

W. B. Braggins

0400-0800 WATCH

BROUGHT #4 BUR ON LINE @ 0500. STARTED #3 & #4 BUR # LENS.
SEPARATED FROM SHORE POWER @ 0620. PUT #3 & #4 LENS ON LINE @ 0625.
TIME & TELE CHECK @ 0713.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

W. B. Braggins

CHIEF ENGINEER

Plant secured

BOILER WATER READINGS

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

CHIEF ENGR'S SIGNATURE-

B. L. Hearne

REMARKS

1200-1600 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

G. L. Hearon R/S

1600-2000 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

G. L. Hearon R/S

2000-2400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

G. L. Hearon R/S

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

W. Braginsky

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

W. Braginsky

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

W. Braginsky

CHIEF ENGINEER

Plant secured

BOILER WATER READINGS

SEED	FORE
HOUS	ACONS
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PHOS.	PHOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE-

W. Braginsky

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

WJ Brasinsky

1600-2000 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

D. L. Hearn R/E

2000-2400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

D. L. Hearn R/E

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

WJ Brasinsky

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

WJ Brasinsky

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

WJ Brasinsky

CHIEF ENGINEER

Plant secured

BOILER WATER READINGS

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

CHIEF ENGR'S SIGNATURE-

WJ Brasinsky

[illegible]

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE- *WJ Beasinska*

1600-2000 WATCH

Plant secured

WATCH ENGR'S SIGNATURE- *B L Hearn R/E*

2000-2400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE- *B L Hearn R/E*

2400-0400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE- *B L Hearn R/E*

0400-0800 WATCH

Plant secured

WATCH ENGR'S SIGNATURE- *B L Hearn R/E*

0800-1200 WATCH

WATCH ENGR'S SIGNATURE- *WJ Beasinska*

CHIEF ENGINEER

Plant secured

POWDER WATER READINGS

SPEED	FEET
BOUNS	BOURS
AAL	ALL
T-REL	T-REL
SAL.	SAL.
PECS.	PECS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE- *W L Hearn*

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

WJ Braszinski

1600-2000 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

BL Tlearn R/E

2000-2400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

BL Tlearn R/E

2400-0400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

BL Tlearn R/E

0400-0800 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

BL Tlearn R/E

0800-1200 WATCH

Dead Plant

WATCH ENGR'S SIGNATURE-

WJ Braszinski

CHIEF ENGINEER

Plant secured

ROTARY WATER READING

SPIN 100
HOURS 100
AKL 100
T-KN 100
SAL 100
PES 100
R.ph 100

CHIEF ENGR'S SIGNATURE-

BL Tlearn

USNS			VOYAGE NO.			FROM			TO			TYPE OF VESSEL			DATE 27-28 10/28-29/66													
			WATCH									WATCH																
			1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200				1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200	
RUNNING TIME																												
DETENTION TIME																												
REVOLUTION COUNTER (END OF WATCH)																												
TOTAL REVOLUTIONS (FOR WATCH)																												
AVERAGE RPM																												
F.O. METER (END OF WATCH)																												
F.O. CONSUMED																												
PRESSURES			THROTTLE																									
			H.P. AHEAD																									
			L.P. AHEAD																									
			VACUUM																									
			L.O. TO TURBINES																									
			AUX. STEAM																									
			BACK PRESSURE																									
			GLAND STEAM																									
			H.P. BLEEDER																									
			L.P. BLEEDER																									
TEMPERATURES			STEAM AT THROTTLE																									
			L. P. EXHAUST																									
			CONDENSATE																									
			CIRC. WATER IN																									
			CIRC. WATER OUT																									
			L.O. TO COOLERS																									
			L.O. FROM COOLERS																									
			TEMPERATURE THRUST BEARING																									
			FORWARD H.P. ROTOR BEARING																									
			AFT. H.P. ROTOR BEARING																									
PRESSURES			F.O. BACK PRESSURE																									
			MAIN STEAM																									
			F.O. TO BURNERS																									
			MAIN COND. SALINITY																									
			ENGINE ROOM TEMPERATURE																									
			FIRE ROOM TEMPERATURE																									
			NOZZLES IN USE																									
			NO. OF BURNERS IN USE																									
			BURNER TIP SIZE																									
			OIL LEVEL MAIN SUMP																									
TEMPERATURES			HOTTEST GEAR BEARING FORWARD																									
			HOTTEST GEAR BEARING AFT																									
			AUX. COND. CONDENSATE																									
			1ST STAGE FEED WATER HEATER																									
			D. C. FEED WATER HEATER																									
			3RD STAGE FEED WATER HEATER																									
			SUPER HEAT																									
			F.O. TO BURNERS																									
			AIR TO FURNACE																									
			F.O. TEMP. IN SETTLING TANKS																									
PRESSURES			PORT BOILER UPTAKE																									
			STBD. BOILER UPTAKE																									
			F. O. BACK PRESSURE																									
			MAIN STEAM																									
			F.O. TO BURNERS																									
			MAIN COND. SALINITY																									
			ENGINE ROOM TEMPERATURE																									
			FIRE ROOM TEMPERATURE																									
			NOZZLES IN USE																									
			NO. OF BURNERS IN USE																									
TEMPERATURES			CO ₂ % PORT BOILER																									
			CO ₂ % STBD. BOILER																									
			OIL LEVEL MAIN SUMP																									
			MAIN COND. SALINITY																									
			ENGINE ROOM TEMPERATURE																									
			FIRE ROOM TEMPERATURE																									
			NOZZLES IN USE																									
			NO. OF BURNERS IN USE																									
			BURNER TIP SIZE																									
			OIL LEVEL MAIN SUMP																									
PRESSURES			F.O. BACK PRESSURE																									
			MAIN STEAM																									
			F.O. TO BURNERS																									
			MAIN COND. SALINITY																									
			ENGINE ROOM TEMPERATURE																									
			FIRE ROOM TEMPERATURE																									
			NOZZLES IN USE																									
			NO. OF BURNERS IN USE																									
			BURNER TIP SIZE																									
			OIL LEVEL MAIN SUMP																									
TEMPERATURES			HOTTEST GEAR BEARING FORWARD																									
			HOTTEST GEAR BEARING AFT																									
			AUX. COND. CONDENSATE																									
			1ST STAGE FEED WATER HEATER																									
			D. C. FEED WATER HEATER																									
			3RD STAGE FEED WATER HEATER																									
			SUPER HEAT																									
			F.O. TO BURNERS																									
			AIR TO FURNACE																									
			F.O. TEMP. IN SETTLING TANKS																									
PRESSURES			PORT BOILER UPTAKE																									
			STBD. BOILER UPTAKE																									
			F. O. BACK PRESSURE																									
			MAIN STEAM																									
			F.O. TO BURNERS																									
			MAIN COND. SALINITY																									
			ENGINE ROOM TEMPERATURE																									
			FIRE ROOM TEMPERATURE																									
			NOZZLES IN USE																									
			NO. OF BURNERS IN USE																									
TEMPERATURES			CO ₂ % PORT BOILER																									
			CO ₂ % STBD. BOILER																									
			OIL LEVEL MAIN SUMP																									
			MAIN COND. SALINITY																									
			ENGINE ROOM TEMPERATURE																									
			FIRE ROOM TEMPERATURE																									
			NOZZLES IN USE																									
			NO. OF BURNERS IN USE																									
			BURNER TIP SIZE																									
			OIL LEVEL MAIN SUMP																									
PRESSURES			F.O. BACK PRESSURE																									
			MAIN STEAM																									
			F.O. TO BURNERS																									
			MAIN COND. SALINITY																									
			ENGINE ROOM TEMPERATURE																									
			FIRE ROOM TEMPERATURE																									
			NOZZLES IN USE																									

REMARKS

1200-1600 WATCH

Dead Plant

WATCH ENGR'S SIGNATURE-

WJ Braginskas

1600-2000 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

B L Hearn R/E

2000-2400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

B L Hearn R/E

2400-0400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

B L Hearn R/E

0400-0800 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

B L Hearn R/E

0800-1200 WATCH

Dead Plant

WATCH ENGR'S SIGNATURE-

WJ Braginskas

CHIEF ENGINEER

FOILER WATER READINGS

SEB'D	PORT
HOURS	HOURS
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PEOS.	PEOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE-

WJ Braginskas

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
Gen John Page TAP.116				AT S.F.		Pacific Ship Yard		P2-52-R2		10/28-29-66	
WATCH											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
WATCH											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
RUNNING TIME											
DETENTION TIME											
REVOLUTION COUNTER (END OF WATCH)											
TOTAL REVOLUTIONS (FOR WATCH)											
AVERAGE RPM											
F.O. METER (END OF WATCH)											
F.O. CONSUMED											
MACH. PARTICULARS (CONT'D)											
HOTTEST GEAR BEARING FORWARD											
HOTTEST GEAR BEARING AFT											
AUX. COND. CONDENSATE											
1ST STAGE FEED WATER HEATER											
D. C. FEED WATER HEATER											
3RD STAGE FEED WATER HEATER											
SUPER HEAT P											
SUPER HEAT S											
F.O. TO BURNERS											
AIR TO FURNACE P											
AIR TO FURNACE S											
F.O. TEMP. IN SETTLING TANKS P											
F.O. TEMP. IN SETTLING TANKS S											
PORT BOILER UPTAKE											
STBD. BOILER UPTAKE											
F. O. BACK PRESSURE											
MAIN STEAM											
F.O. TO BURNERS											
MAIN COND. SALINITY											
ENGINE ROOM TEMPERATURE											
FIRE ROOM TEMPERATURE											
NOZZLES IN USE											
NO. OF BURNERS IN USE P											
NO. OF BURNERS IN USE S											
BURNER TIP SIZE P											
BURNER TIP SIZE S											
CO ₂ % PORT BOILER											
CO ₂ % STBD. BOILER											
OIL LEVEL MAIN SUMP											
MISCELLANEOUS											
MACH. PARTICULARS											
TEMPERATURES											
PRESSURES											
THROTTLE											
H.P. AHEAD											
L.P. AHEAD											
VACUUM											
L.O. TO TURBINES											
AUX. STEAM											
BACK PRESSURE											
GLAND STEAM											
H.P. BLEEDER											
I.P. BLEEDER											
L.P. BLEEDER											
STEAM AT THROTTLE											
L. P. EXHAUST											
CONDENSATE											
CIRC. WATER IN											
CIRC. WATER OUT											
L.O. TO COOLERS											
L.O. FROM COOLERS											
TEMPERATURE THRUST BEARING											
FORWARD H.P. ROTOR BEARING											
AFT. H.P. ROTOR BEARING											
FORWARD L.P. ROTOR BEARING											
AFT. L.P. ROTOR BEARING											

WATCH											
GENERATORS											
GENERATOR NUMBERR.P.M.STEAM PRESSURESTEAM TEMP.L.O. PRESSUREL.O. TO COOLERL.O. FROM COOLERTEMP. OF HOTTEST BEARINGL.O. GOVERNOR PRESSUREAMPS POSITIVEAMPS NEGATIVEVOLTS											
1200 TO 1600											
1600 TO 2000											
2000 TO 2400											
2400 TO 0400											
0400 TO 0800											
0800 TO 1200											
FUEL - WATER AND LUBE OIL											
METER AT NOON											
METER PREVIOUS NOON											
CONSUMED BY METER											
ON HAND AT START OF DAY											
RECEIVED DURING DAY											
EXPENDED DURING DAY											
REMAINING ON BOARD											
ON HAND AT START OF DAY											
EVAPORATED OR RECEIVED											
ON HAND											
CONSUMED											
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)											
L.O. CENTRIFUGE - HOURS OPERATED											
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200											
SUMMARY											
RUNNING TIME											
DETENTION TIME											
TOTAL REVOLUTIONS											
AVERAGE R.P.M.											
TOTAL MILES BY ENGINE											
TOTAL MILES BY OBSERVATION											
PROPELLER SLIP (%)											
BBL FUEL MI											
WIND DIRECTION											
STATE OF SEA											
STATE OF WEATHER											

REMARKS

1200-1600 WATCH

Plant secured ship yard workers making repairs as per specs. Ship's crew making repairs as per work list Bilges at safe land made routine inspections of mach & eng's spaces.

WATCH ENGR'S SIGNATURE-

George Runney

1600-2000 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

J.L. Hearn R/E

2000-2400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

J.L. Hearn R/E

2400-0400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

J. Schelvin R/E

0400-0800 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

J. Schelvin R/E

0800-1200 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

J. Schelvin R/E

CHIEF ENGINEER

BOILER WATER READINGS

SPED	FEED
POPS	ROTS
AKL	AKL
T-REL	T-AKL
SAL.	SAL.
PECS.	PECS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE-

J. Schelvin

USNS

VOYAGE NO.

FROM AT S.F. CALIF

TO

TYPE OF VESSEL

DATE

Gen John Pope-Tp110

Pacific Ship Yard

P2-52R2

10-29-30-61

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

GENERATORS												FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	BOILER WATER	LUBE OIL	DIESEL OIL	
1200 TO 1600													METER AT NOON	ON HAND AT START OF DAY	CONSUMED	ON HAND	
													METER PREVIOUS NOON	EVAPORATED OR RECEIVED			
													CONSUMED BY METER	ON HAND			
													ON HAND AT START OF DAY	CONSUMED			
													RECEIVED DURING DAY	ON HAND AT START OF DAY			
													EXPENDED DURING DAY	RECEIVED			
													REMAINING ON BOARD	ON HAND			
1600 TO 2000													ON HAND AT START OF DAY	CONSUMED			
													EVAPORATED OR RECEIVED	ON HAND			
													ON HAND	RECEIVED			
													CONSUMED	CONSUMED			
2000 TO 2400													DOMESTIC WATER	ON HAND			
													ON HAND	RECEIVED			
													CONSUMED	CONSUMED			
2400 TO 0400													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
0400 TO 0800													SUMMARY				
													RUNNING TIME	PROPELLER SLIP (%)			
													DETENTION TIME	BBL FUEL, MI			
													TOTAL REVOLUTIONS	WIND DIRECTION			
													AVERAGE R.P.M.	STATE OF SEA			
0800 TO 1200													TOTAL MILES BY ENGINE	STATE OF WEATHER			
													TOTAL MILES BY OBSERVATION				

REMARKS

1200-1600 WATCH

Port Security Watch Dead PLANT

Oiler McGinnis Refer Krupp

1600-2000 WATCH

Port Watch Dead PLANT

WATCH ENGR'S SIGNATURE-

Henry Bunney

Bilges at safe level Made Routine

INSPECTIONS of MACH & ENG'S SPACES.

Oiler Goodnough Refer ^{BOANS} BARRYMO

2000-2400 WATCH

Port Watch Dead PLANT

WATCH ENGR'S SIGNATURE-

Henry Bunney

2400-0400 WATCH

Set clocks back 1 hour ahead to correspond with Pacific Standard time. Dead PLANT.

WATCH ENGR'S SIGNATURE-

Henry Bunney

Oiler

0400-0800 WATCH

DEAD PLANT

WATCH ENGR'S SIGNATURE-

J. Schetina R/E

0800-1200 WATCH

DEAD PLANT

WATCH ENGR'S SIGNATURE-

J. Schetina R/E

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

J. Schetina R/E

ENGINEER WATER READINGS

STR'D PORT

EQUS HOURS

AKL AKL

T-AKL T-AKL

SAL. SAL.

PHCS. PHCS.

R.ph R.ph

CHIEF ENGR'S SIGNATURE-

W. L. L.

[illegible]

REMARKS

1200-1600 WATCH

checked all Mach spaces. Bilges at safe level as before.

1600-2000 WATCH

Over Higgins Reefer Kump

WATCH ENGR'S SIGNATURE-

checked all Mach spaces. Bilges at safe level. *R. J. Tanley*

2000-2400 WATCH

Over

Reefer

WATCH ENGR'S SIGNATURE-

checked all Mach spaces. Bilges at safe level. *R. J. Tanley*

2400-0400 WATCH

Over

Reefer

WATCH ENGR'S SIGNATURE-

R. J. Tanley

AS BEFORE

0400-0800 WATCH

Over - Diers

REEFER

WATCH ENGR'S SIGNATURE-

C. R. Specter

AS BEFORE

0800-1200 WATCH

Over - Diers

REEFER

WATCH ENGR'S SIGNATURE-

C. R. Specter

wards & Ships Company continued work on assigned work list & Job Request. Bilges ok. Routine ok.

CHIEF ENGINEER

WATCH ENGR'S SIGNATURE-

A. J. Tanley

FOUNDER WATER READINGS

STRID	FOUR
BOLDS	FOUR
ANL	ANL
T-REL	T-REL
SAL.	SAL.
PECS.	PECS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE-

A. J. Tanley

REMARKS

1200-1600 WATCH

as before

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

ROUTINE ROUNDS OF INSPECTION MADE - BILGES O.K.

OILER - GOODWING

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

ROUTINE ROUNDS OF INSPECTION MADE - BILGES O.K.

OILER - GOODWING

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

ALL SHIP'S SERVICES FROM DOK. ROUTINE SECURITY WATCH. MADE FREQUENT INSPECTIONS OF MACH. SPACES BILGES AT SAFE LEVELS.

OILER - MGREOS

REEFER - MARVIN

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

AS BEFORE

OILER - MGREOS

REEFER - MARVIN

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READINGS

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

CHIEF ENGR'S SIGNATURE-

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