ENGINE ROOM LOG

GEARED TURBINE DRIVE

USNS GEN JOHN POPE TAP-110

FROM JANUARY 1-ST **19** 67 **TO** _____ **19** __

MSTS FORM 9410-1 (REV. 12-54)

INSTRUCTIONS

1. The entries in this book will be made neatly and legibly by the engineer or other person directly in charge of the machinery of the vessel, and with pen and ink or indelible pencil. No erasures nor the removal of any leaves will be permitted. Incorrect entries may be changed by drawing a single line through same with ink or indelible pencil and writing in the correct data, followed by the initials of the person making the change. The greatest care shall be used in keeping the log book to insure absolute accuracy in all particulars.

2. All entries of time shall be made on the 24-hour basis, noon to noon.

3. Under the heading "Remarks" a careful, detailed record of the events occurring daily in the engine department shall be entered in the log book, together with notation of any violation of orders or regulations. Remarks should be preceded by the time when pertaining to important tests, casualties, injuries, etc.

4. Entries regarding the following shall also be made when occurring:

(a) Repairs, cleaning, and painting, including machinery outside the engine spaces.

(b) Faulty or erratic operation or failure of machinery.

(c) Any important changes in machinery of any nature, or additions thereto.

(d) Remetalling of bearings; fitting new piston rings; reboring cylinders; renewing pump parts, metallic packing, important valves, propeller, shafting, stern bearing, zinc protection bars and rings outboard, strainers, etc.; data to show in all cases exactly what parts have been attended to or repaired, material or article used and reasons.

(e) Pumping of bilges.

(f) Blowing of tubes.

(g) Examining holding down bolts.

(h) Fuel and water taken aboard. The fuel account shall be carefully kept and the quantity consumed each day accurately ascertained.

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

(j) Record of special tests ordered made.

(k) Defects in supplies received.

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

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

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

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope - TAP-110		N.S.G. Oakland Calif		P2-S2-R2	1-3-4-67

	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						
Rev-105540 F.O. METER (END OF WATCH)						
F.O. CONSUMED						
MACHINERY PARTICULARS – 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						
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						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – 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						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON			EVAPORATED OR RECEIVED	
	CONSUMED BY METER			ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		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

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 Plant Secured Ships Crew General Repairs Bilges at Safe Level.

WATCH ENGR'S SIGNATURE- George Burne

1600-2000 WATCH Plant Secured

WATCH ENGR'S SIGNATURE- W. C. Spigher

2000-2400 WATCH Plant Secured

WATCH ENGR'S SIGNATURE- W. C. Spigher

2400-0400 WATCH Plant secured

WATCH ENGR'S SIGNATURE- Edward B. Merritt Pt

0400-0800 WATCH Plant secured

WATCH ENGR'S SIGNATURE- Edward B. Merritt Pt

0800-1200 WATCH Plant Secured
Repair work as per list.

WATCH ENGR'S SIGNATURE- F. McDonald

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP 110		NSC - Oakland		P-2 A.	Jan 4+5 1967

	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)						
F.O. CONSUMED						
MACHINERY PARTICULARS — 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						
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						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS — PRESSURES — SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS — 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						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON			EVAPORATED OR RECEIVED	
	CONSUMED BY METER			ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		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

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

Plant Secured.
Repairs as per work List.

WATCH ENGR'S SIGNATURE- R Sumner

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH

Plant Secured.

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE- Edward B Meredith R/E

0400-0800 WATCH

WATCH ENGR'S SIGNATURE- Edward B Meredith R/E

0800-1200 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE- McNamee

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Pfc. John Pope TAPPIO		NSC Oakland		P-2 4.	Jan 5-6-1967

	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)						
F.O. CONSUMED						
MACHINERY PARTICULARS – 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						
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						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – 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						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON			EVAPORATED OR RECEIVED	
	CONSUMED BY METER			ON HAND	
	ON HAND AT START OF DAY			CONSUMED	
	RECEIVED DURING DAY		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

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

Plant Secured.
Making Repairs as per Work list.

WATCH ENGR'S SIGNATURE- R L Summers

1600-2000 WATCH

PLANT DEAD

WATCH ENGR'S SIGNATURE- [illegible] RE

2000-2400 WATCH

PLANT DEAD

WATCH ENGR'S SIGNATURE- [illegible] RE

2400-0400 WATCH

At 0015 lit fires under #1 boiler. 0020 started L.O. Pump & jacking gear. 0030 started L.C. Purifier. 0120 secured #1 boiler due to busted diaphram in damper regulator. 0130 lit fires under #2 boiler & raised steam. 0400 started #1 Gen. rolling. 0600 Put Elect. load on #1 Gen. 0700 started #2 Gen. rolling. 0705 Permission granted by Bridge to spin Main Eng. 0705 started warming up Main Eng. with steam.

~~OILER~~ H Jones F/W - Winner.

WATCH ENGR'S SIGNATURE- H Jones

0400-0800 WATCH

Vacuum up on main and aux. Plants. Rolling Main Eng. with steam 0715 Tested Eng. telegraph. Main Engine warmed up & Ready to answer bells. Plants Split, Aux. L.O. & fuel Pump on stby.

OILER - McGINNIS - F/W WINNER

WATCH ENGR'S SIGNATURE- H Jones

0800-1200 WATCH

Stby @ 0802 CTR1917340 FOM-1055 6530 - FWE @ 0922 - CTR1917 4030 FOM-1055 6990. Secured M.S.B.S. & Engaged Jacking Gear. Shifted 2 Feet Load Aft. Secured #2 Boilers & 1 & 2 Aux Generators. Bells as per Bell Book. Bilges Aft Safe Level. Daymen Making Repairs on #1 Boiler.

WATCH ENGR'S SIGNATURE- George Burney

CHIEF ENGINEER

Received 5373 BBLS fuel oil Barge #6

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Rear John Pope TAO-110		NSC Oakland		P-2-G	6 & 7 - Jan - 1962

	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)						
F.O. CONSUMED						
MACHINERY PARTICULARS – 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						
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						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – 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						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	ON HAND AT START OF DAY
	METER PREVIOUS NOON			EVAPORATED OR RECEIVED
	CONSUMED BY METER			ON HAND
	ON HAND AT START OF DAY			CONSUMED
	RECEIVED DURING DAY		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

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

Plant Secured
Making Repairs as per Work list
1310 Secured Making L.O. & Main Circulator

WATCH ENGR'S SIGNATURE- R. Summers.

1600-2000 WATCH

Plant Secured
2 Boiler at Unavailable

WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Plant secured, routine inspections

WATCH ENGR'S SIGNATURE- Edward B. Merritt R/E

0400-0800 WATCH

Plant secured, routine inspections

WATCH ENGR'S SIGNATURE- Edward B. Merritt R/E

0800-1200 WATCH

Plant secured

WATCH ENGR'S SIGNATURE- Edward B. Merritt

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
					7 & 8 Jan. 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)						
F.O. CONSUMED						
MACHINERY PARTICULARS – 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						
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						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RO STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – 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						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	ON HAND AT START OF DAY
	METER PREVIOUS NOON			EVAPORATED OR RECEIVED
	CONSUMED BY METER			ON HAND
	ON HAND AT START OF DAY			CONSUMED
	RECEIVED DURING DAY		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

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

Port Dock

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

Plant Not in Operation

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Plant secured routine inspections

WATCH ENGR'S SIGNATURE- Edward B. Kurutz P/E.

0400-0800 WATCH

Plant secured routine inspections

WATCH ENGR'S SIGNATURE- Edward B. Kurutz P/E.

0800-1200 WATCH

Plant secured, routine inspection

WATCH ENGR'S SIGNATURE- Edward B. Kurutz P/E

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-410		NSC - Oakland.		P-2-G.	8-9 JAN. 1967

	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)						
F.O. CONSUMED						
MACHINERY PARTICULARS – 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						
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						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM						
BOILER PARTICULARS – PRESSURES – SUPER HEAT						
F.O. TO BURNERS						
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – 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						

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600												
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON		BOILER WATER	ON HAND AT START OF DAY
	METER PREVIOUS NOON			EVAPORATED OR RECEIVED
	CONSUMED BY METER			ON HAND
	ON HAND AT START OF DAY			CONSUMED
	RECEIVED DURING DAY		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

SUMMARY

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

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Plant secured routine inspections

WATCH ENGR'S SIGNATURE- Edward B. Smith P/E

0400-0800 WATCH

Plant secured, routine inspections

WATCH ENGR'S SIGNATURE- Edward B. Smith P/E

0800-1200 WATCH

Plant secured.
Made Routine Inspections - of mach spaces.
making Repairs as per w.p. list

WATCH ENGR'S SIGNATURE- R Summers.

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Geo John Pope TAP-110		At NSC Oakland		P-2-G	9 & 10 Jan-1967

	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				~~1055~~ 7720		
F.O. METER (END OF WATCH)				1055 7730	1055 8400	1056 0650
F.O. CONSUMED				670	670	1250
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM						
BACK PRESSURE	Lighting off					
GLAND STEAM						
H.P. BLEEDER	Lighting					
I.P. BLEEDER						
L.P. BLEEDER						
TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	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						
1ST STAGE FEED WATER HEATER						
D. C. FEED WATER HEATER						
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS						
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM	Lighting off					
PRESSURES – SUPER HEAT						
F.O. TO BURNERS	Lighting					
F.O. TEMP. IN SETTLING TANKS						
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – 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						

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	1	1200	450									
					Various							
	2	1200	450									
1600 TO 2000												
2000 TO 2400												
2400 TO 0400												
0400 TO 0800												
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1056 0650	BOILER WATER – ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1055 7730	EVAPORATED OR RECEIVED	
	CONSUMED BY METER	2920	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

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

Plant Secured
Making repairs as per work list.
Made Rounds of Mach + Eng Spaces.

WATCH ENGR'S SIGNATURE- R Summers

1600-2000 WATCH

WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

0000 Set the lighting off watch. 0015 lit fires under #1 boiler. 0030 lit fires under #2 boiler. F.O.M. P-695 3860. F.O.M. S-3603200. 0100 started L.O. Purifier. 0110 started Main L.O. Pump.

F/W McGINNIS.

WATCH ENGR'S SIGNATURE- Hm Jones

0400-0800 WATCH

Shifted and Cleaned all discharge F.O. strainers heating boiler Pressure from 150# to 400# Worked on boiler testing water manifold. replaced gasket in valve on manifold. added 3 gal. oil to #1 feed Pump. L.O. Pump and L.O. Purifier in operation. Shifted and Cleaned F.O. suction strainer.

F/W-McGINNIS F/W LINDSLEY - OILER. KLINT

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH

Lighting off Bring up vacuum on main + aux units. @ 0820 wheel Clearance from bridge 0830 Set off #1 + 2 Gen. @ 0850 Engaged Jacking Gear. @ 1030, Set speed Governor on #1 + 2 Gen 1240 Rpm., @ 1040 Split Elect Load Put #2 Gen on Line @ 1050 Transferred all Electrical load to F W d Put #1 Generator on the line.

Allen - Kellen. Jr Eng. Wenner FWT-

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

[illegible] Set speed Gov on #1 [illegible] 1240 RPM

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	7-A	NSC Oakland Calif	OKINAWA	P2-S2-R2	1-10-11-67

		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		16	240	240	240	240	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)			1920 2090	1922 6560	1925 0370	1927 3850	1929 7360
TOTAL REVOLUTIONS (FOR WATCH)			22550	24470	23810	23480	23510
AVERAGE RPM			93.9	101.7	99.2	97.8	97.8
F.O. METER (END OF WATCH)		1056 2910	1056 5540	1056 8360	1057 1140	1057 3860	1057 6130
F.O. CONSUMED			2630	2820	2780	2720	2270
MACHINERY PARTICULARS — PRESSURES	THROTTLE	430	430	430	430	430	430
	H.P. AHEAD	425	425	430	430	430	430
	L.P. AHEAD	25	25	25	25	25	25
	VACUUM	29.5"	29.5"	29	29.5	29.5	29
	L.O. TO TURBINES	12	12	12	12	12	12
	AUX. STEAM	140	140	140	140	145	145
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	4.5	4.5	4.5	3.0	2.5	2.5
	H.P. BLEEDER	52	52	52	64	52	52
	I.P. BLEEDER	6	6	6		6	7
	L.P. BLEEDER	10"	10"	10"	12.5	10"	10"
MACHINERY PARTICULARS — TEMPERATURES	STEAM AT THROTTLE	430	430	630	680	690	670
	L.P. EXHAUST	90	90	90	90	92	95
	CONDENSATE	70	70	80	82	84	80
	CIRC. WATER IN	55	55	55	57	60	58
	CIRC. WATER OUT	68	68	68	70	70	70
	L.O. TO COOLERS	118	118	128	127	130	128
	L.O. FROM COOLERS	108	108	110	108	110	110
	TEMPERATURE THRUST BEARING	110	110	118	118	120	118
	FORWARD H.P. ROTOR BEARING	118	118	118	120	125	125

		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	—	135	135	135	138	140
	FORWARD L. P. ROTOR BEARING	—	128	118	128	135	135
	AFT. L.P. ROTOR BEARING	—	120	125	125	130	130
	HOTTEST GEAR BEARING FORWARD	—	150	157	155	158	160
	HOTTEST GEAR BEARING AFT	—	140	145	145	148	150
	AUX. COND. CONDENSATE	—			88/85		94
	1ST STAGE FEED WATER HEATER	—	144	145	150	152	154
	D. C. FEED WATER HEATER	235	240	240	240	240	240
	3RD STAGE FEED WATER HEATER (HP / L.P)	—	—	—	.050 / .100		
BOILER PARTICULARS — TEMPERATURES	F.O. TO BURNERS (P / S)		225 / 230	240 / 240	220 / 210	240 / 200	230 / 210
	F. O. BACK PRESSURE (P / S)	10 / 10	10 / 10	10 / 10	10 / 10	12 / 11	12 / 10
	AIR TO FURNACE (P / S)	5.0 / 4.8	6.0 / 5.6	5.5 / 5.5	5.6 / 5.2	6.0 / 5.8	5.5 / 5.5
	SALINITY UPTAKE	.41	.41		.41	.41	.41
	MAIN STEAM	430	430	450	430	430	450
BOILER PARTICULARS — PRESSURES	SUPER HEAT	680	680		680	690	680
	F.O. TO BURNERS (P / S)	190 / 190	190 / 200	190 / 190	190 / 190	200 / 190	190 / 190
	F.O. TEMP. IN SETTLING TANKS (P / S)	104 / 120	105 / 130	85 / 87	80 / 100	85 / 120	92 / 90
	PORT BOILER UPTAKE	320		385	380		340
	STBD. BOILER UPTAKE	310		340	340		320
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	74	74	68	69	70	74
	FIRE ROOM TEMPERATURE	74	74	68	69	70	74
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
	CO_2 % PORT BOILER					14%	
	CO_2 % STBO. BOILER					14%	
	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	680	9	120	110		62	900	900	230
	2	1200	430	680	7	125	115		58	900	850	250
1600 TO 2000	1	1200	430	680	9	125	115		62	900	900	230
	2	1200	430	680	7	126	112		62	1050	1150	230
2000 TO 2400	1	1200	450		9	125	115		62	1000	1000	235
	2	1200	450		7	126	110		62	1000	1000	235
2400 TO 0400												
	1	1200	430	680	9	115	108		62	950	950	230
	2	1200	430	680	7	126	112		62	850	850	230
0400 TO 0800	1	1200	430	690	9	115	105		62	1150	1150	230
	2	1200	430	690	7	128	112		60	800	900	230
0800 TO 1200	1	1200	450		9	120	114		62	1150	1000	230
	2	1200	450		8	128	114		62	1150	1000	230

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1056130	BOILER WATER — ON HAND AT START OF DAY	269
	METER PREVIOUS NOON	1056650	BOILER WATER — EVAPORATED OR RECEIVED	49
	CONSUMED BY METER	15380	BOILER WATER — ON HAND	266
	ON HAND AT START OF DAY	18614	BOILER WATER — CONSUMED	52
	RECEIVED DURING DAY	-0-	LUBE OIL — ON HAND AT START OF DAY	2750
	EXPENDED DURING DAY	688	LUBE OIL — RECEIVED	-0-
	REMAINING ON BOARD	17926	LUBE OIL — ON HAND	2740
DOMESTIC WATER	ON HAND AT START OF DAY	1150	LUBE OIL — CONSUMED	10
	EVAPORATED OR RECEIVED	164		1415
	ON HAND	1099		1413
	CONSUMED	215		2

LOW PRESS. EVAPORATORS (No. of hrs. operated) 1+2 4 (Fresh water made gals.) 4

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	1218	PERCENT OF SLIP	16.57
DETENTION TIME	-0-	BBL FUEL/MI	1.30 1.56
TOTAL REVOLUTIONS	115890	WIND DIRECTION	300
AVERAGE R.P.M.	96.7	STATE OF SEA	2' SWELL
TOTAL MILES BY ENGINE	432	STATE OF WEATHER	58°
TOTAL MILES BY OBSERVATION	382		

FROM 382 TO 60-5518

REMARKS

1200-1600 WATCH Wheel Clearence From Bridge @1228 Disengaged Jacking Gear 1230 Open MS & BS. @1231. Started Rolling MN Unit @ 1233. Tested Telegraph @1235 Stby @1352 Ctr. 19174300 FOM-1056 1760 Dept @1542 & 18 Nozz. Ctr 19179546 FOM-1056 2910- Bells as per Bell Book. Shifted Main Sea Inlet. Made Routine Inspection of Mach & Eng's Spaces. Pumped Bilges.

WATCH ENGR'S SIGNATURE- Henry Burney

1600-2000 WATCH Underway on 18 nozzles. Shifted and Cleaned All burners. Checked all Mach. and outside spaces. Routine watch & inspections. Shifted & Cleaned Disch. F.O. strainer to #1 boiler. 1615 to 1645 blew tubes on #1 & 2 boilers.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH Under Way, Steaming 18 Nozz. Shifted & Cleaned ~~stbd~~ port F.O. Disch Strainers pumped up settlers from #4 Dup tkg, shifted to Inboard Settler at 2105 Made Rounds & Insp. of Mach & Eng spaces. #1 & 2 Evaporators Dist to #3 P&S

F.W. Dist. 11,600

oiler - Kinkow FWT - Higbee J. Eng. - Gordon, Hengstel WATCH ENGR'S SIGNATURE- R Summers.

2400-0400 WATCH UNDERWAY ON 18 NOZZ MACH AS Before. Changed & Cleaned Center F.O. Burners & disch Strainers. Daily test of Stby Lo. pump for 1-hr. Shifted & Cleaned MN L.O. Strainer. Checked Steering E.R. Gear. Pumped Bilges. Added 2 Gals Lo. to #1 Main Feed pump. Made Routine Rounds on Mach & Engs Spaces.

WATCH ENGR'S SIGNATURE- Henry Burney

0400-0800 WATCH Steaming as before on 18 Nozz. Changed bottom burner in #1 & 2 boilers, shifted and Cleaned Disch. F.O. strainer on #1 & 2 boilers. Shifted and Cleaned Main L.O. strainer. Compounded #1 & 2 boilers. Checked all operating mach. inspected outside spaces. 0745 Cruising Conditions Modified.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH Under Way Steaming on 18 Nozz. Cleaned Top Burners P.+S. 0800 to 084 Blew tubes, @ 0900 shift F.O. Settler to outboard Sucty, pumped Settlers from #4 Dup tanks. Made Rounds & Insp of Mach & Eng spaces. Cleaned & shifted L.O. strainers on #1 & #2 turbo Generators. #1 & 2 Evap Dist to #3 P&S

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER ~~BOILERS TEST~~ @ 1000 add 2 gals L.O. to #1 Feed pump.

STBD.	PORT
HRS. 1106	HRS. 909
AKL 5.84	AKL. 8.18
T.AKL-8.76	T.AKL. 1168
CL-2.07	CL. - 1.46
PO4-35	PO4 - 38

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP 110		NSC OAKLAND CALIF	OKINAWA	P2-S2-R2	1-11-12-67

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	260	260	260	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1932 0840	1934 4390	1936 4960	1939 5570	1942 1130	1944 4702
TOTAL REVOLUTIONS (FOR WATCH)		23480	23550	25510	25610	25560	23572
AVERAGE RPM		97.8	98.1	98.3	98.5	98.3	98.2
F.O. METER (END OF WATCH)		1057 9380	1058 2060	1058 4960	1058 7950	1059 0870	1059 3590
F.O. CONSUMED		3250	2680	2900	2990	2920	2720
MACHINERY PARTICULARS – PRESSURES	THROTTLE	430	430	430	430	430	430
	H.P. AHEAD	430	430	430	430	430	430
	L.P. AHEAD	25	25	25	25	25	25
	VACUUM	29"	29.5"	29	29	29.2"	29
	L.O. TO TURBINES	12	12	12	12	12	12
	AUX. STEAM	145	135	140	135	130	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	2.5	3	2.5	2.5	2.5	2.5
	H.P. BLEEDER	66	68	65	68	54	55
	I.P. BLEEDER	–	6	6		6	6
	L.P. BLEEDER	12"	10"	10"	12"	10"	10"
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	680	690	680	685	695	675
	L.P. EXHAUST	95	95	95	95	95	95
	CONDENSATE	84	86	90	88	88	90
	CIRC. WATER IN	61	62	62	64	64	64
	CIRC. WATER OUT	74	74	74	76	76	75
	L.O. TO COOLERS	125	130	128	126	130	127
	L.O. FROM COOLERS	105	110	108	106	110	106
	TEMPERATURE THRUST BEARING	115	120	117	118	120	118
	FORWARD H.P. ROTOR BEARING	120	123	120	122	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	135	140	140	135	138	135
	FORWARD L. P. ROTOR BEARING	130	135	132	130	135	132
	AFT. L.P. ROTOR BEARING	125	130	127	125	130	127
	HOTTEST GEAR BEARING FORWARD	155	158	152	155	158	155
	HOTTEST GEAR BEARING AFT	145	148	147	145	148	145
	AUX. COND. CONDENSATE	94/98		94/95	94/98		96
	1ST STAGE FEED WATER HEATER	152	154	154	154	154	156
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	~~3RD STAGE FEED WATER HEATER~~ HP	.050	–	–	–		
	LP	105					
BOILER PARTICULARS – PRESSURES & TEMPERATURES	F.O. TO BURNERS P/S	220/200	200/195	200/195	200/195	210/200	200/210
	F. O. BACK PRESSURE P/S	10/10	10/10	10/10	10/10	10/10	10/10
	AIR TO FURNACE P/S	5.5/5.2	5.0/6.0	5.0/5.0	5.0/5.0	6.0/6.6	5/5
	~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
	MAIN STEAM	440	430	450	430	430	450
	SUPER HEAT	680	690	680	685	695	675
	F.O. TO BURNERS P/S	190/190	190/195	190/190	190/190	190/200	190/200
	F.O. TEMP. IN SETTLING TANKS P/S	100/90	100/90	90/92	85/100	85/100	90/100
	PORT BOILER UPTAKE	325	350	345	350	355	347
	STBD. BOILER UPTAKE	340	330	325	332	340	325
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	74	74	74	75	76	77
	FIRE ROOM TEMPERATURE	74	74	74	75	76	72
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
	CO_2 % PORT BOILER					14.5	
	CO_2 % STBD. BOILER					14	
	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	680	9	120	110		62	1100	1100	235
	2	1200	430	680	7	128	114		62	1000	1000	235
1600 TO 2000	1	1200	430	690	9	120	110		62	1100	1100	235
	2	1200	430	690	7	128	114		60	1050	1150	235
2000 TO 2400	1	1200	430	680	9	120	110		62	1150	1150	235
	2	1200	430	680	7	128	114		60	1100	1100	235
2400 TO 0400	1	1200	430	685	9	120	110		62	1000	1000	235
	2	1200	430	685	7	128	114		60	950	950	235
0400 TO 0800	1	1200	430	695	9	120	108		62	1150	1150	235
	2	1200	430	695	7	128	114		60	1100	1150	235
0800 TO 1200	1	1200	430	675	9	120	110		62	1150	1000	235
	2	1200	430	675	7	128	114		60	1150	1000	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1055359.0	BOILER WATER – ON HAND AT START OF DAY	266
	METER PREVIOUS NOON	1057613.0	EVAPORATED OR RECEIVED	82
	CONSUMED BY METER	17460	ON HAND	324
	ON HAND AT START OF DAY	12926	CONSUMED	24
	RECEIVED DURING DAY	–0–	LUBE OIL – ON HAND AT START OF DAY	2740
	EXPENDED DURING DAY	775	RECEIVED	–0–
	REMAINING ON BOARD	12151	ON HAND	2730
DOMESTIC WATER	ON HAND AT START OF DAY	1099	CONSUMED	10
	EVAPORATED OR RECEIVED	169		1413
	ON HAND	1057		1410
	CONSUMED	211		3

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.) 4⅓ 4

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	4⅓	4⅓	4⅓	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	12.8
DETENTION TIME	–0–	BBL FUEL/MI	1.43 1.64
TOTAL REVOLUTIONS	144945	WIND DIRECTION	200°
AVERAGE R.P.M.	96.6	STATE OF SEA	6' SWELL
TOTAL MILES BY ENGINE	540	STATE OF WEATHER	6°
TOTAL MILES BY OBSERVATION	471		

FROM 853 T.G. 5047

REMARKS

1200-1600 WATCH

Underway on 18 Nozz. Mach. Inoperation 1&2 Boilers 1&2 F.D. Blowers 1&2 F.O.S. pmps 1&2 MN.F.D. pmps. MN&Aux Air Ejectors MN&Aux Circ pmps. MN&Aux Cond. pmps. L.O. purifier. L.O.S. pmp. 1&2 Aux Generators. Fire&San pmp. Port Steering Gear Tested overspeed trip & Low L.O. Alarm on MN Turbine & Throtl. Pumped Bilges. Changed & Cleaned Center F.O. Burners. & disch. Strainers. Fire drill @1400 Sec. @1412. Beat drill @1414 Sec. @1421 Stby @1400 LH @1426 Checked Steering E.R. Gear. Added 1Gal L.O. to #1 MN F.D. Pump. Made Routine Inspections of Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

Steaming as before on 18 Nozz. 1550 to 1612 blew tubes on #1&2 boilers. Changed and Cleaned bottom burner on #1&2 boilers. 1754 Cruising Conditions set. Shifted and Cleaned Disch. F.O. strainer to #1&2 boilers. Checked all operating mach. Checked S.E. Room. Pumped bilges & Cargo holds. Added four Gal. oil to #1 Feed Pump.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH

Underway, Steaming on 18 Nozz, 2030 to 2200 pumped F.O. Settlers from #4 Deep Tanks. @2100 Changed Top Burners P&S, Cleaned & Shifted to Disch Strainers P&S made Rounds & Insp of Mach + Eng Spaces.
@2300 Retarded Ships Clock 20 minutes 2300 to 2330 Held Eng Casualty Drill B-1 4 men Present, Bridge Notified

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH

Underway on 18 Nozz Mach as Before. Changed & Cleaned Center F.O. burners & P/S disch strainers. Retarded Clocks 20 mins @0100. Daily test of stby L.O. pump for 1-hr. Shifted & Cleaned MN. L.O. disch strainer. Held Eng's Casualty drill B-1 Loss Fuel Oil Pressure. Watch Inst & Bridge Notified 0100-0130 Checked Steering E.R. Gear. Added 1Gal L.O. to #1 MN Feed Pump. Made Routine Inspections of Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming as before on 18 Nozz. Changed bottom burner in #1&2 boilers. Shifted and Cleaned Disch. F.O. strainer to #1&2 boilers. Added Compound to #1&2 boilers. Pumped bilges. Checked S.E. room. inspected all operating machinery. 0500 to 0530 held fire room Casualty Drill B-1 loss of F.O. Pressure. 4 men present for instruction. Bridge Notified. 0500 retarded Clocks (20 mi) Added two Gal. Oil to #1 feed Pump.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH

Underway Steaming on 18 Nozz, 0805 to 0840 Blew tubes in #1&2 Boilers 0830 to 0930 pumped settlers from #4 Deep tanks, Cleaned & Changed top Burners #1&2 Blrs. & 1/2 Evap Dist to #3 P&S.
Made Routine Rounds & Insp of Mach & Eng spaces.
@1130 added 3 gals L.O. to #1 Feed pump.

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER TEST -

STBD. ~~450~~	PORT ~~9~~
HOURS-1130	HOURS-933
P.AKL-5.84	P.AKL-8.76
T.AKL-8.76	T.AKL-12.24
CL-2.49	CL-3.31
PHOS-3.5	PHOS-3.5
PH-10.5	PH-10.5

CHIEF ENGR'S SIGNATURE- Scott Chinn

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-116		NSC. OAKLAND CALIF	OKINAWA	P2-S2-R2	1-12-13-67

	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)	1946 8320	1949 1890	1951 5340	1953 9010	1956 2390	1958 5750
TOTAL REVOLUTIONS (FOR WATCH)	23620	23570	23450	23670	23380	23360
AVERAGE RPM	98.4	98.2	97.7	98.6	97.4	97.3
F.O. METER (END OF WATCH)	1059 6250	1059 8990	1060 1550	1060 4180	1060 6750	1060 9330
F.O. CONSUMED	2660	2740	2560	2630	2570	2580
MACHINERY PARTICULARS – PRESSURES: THROTTLE	430	440	440	435	430	430
H.P. AHEAD	430	435	430	430	430	430
L.P. AHEAD	24	22	22	22	22	21
VACUUM	29"	29"	29"	29"	29"	29
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	140	145	145	145	145	145
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2	2	2	2	2	2
H.P. BLEEDER	64	70	75	70	60	55
I.P. BLEEDER	-	6	6		6	6
L.P. BLEEDER	12	10"	11"	13"	12"	12"
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	680	680	675	685	680	680
L.P. EXHAUST	96	95	95	96	96	96
CONDENSATE	90	88	92	90	88	90
CIRC. WATER IN	66	66	66	67	67	67
CIRC. WATER OUT	78	78	78	78	78	76
L.O. TO COOLERS	126	128	128	127	126	127
L.O. FROM COOLERS	108	110	108	108	108	108
TEMPERATURE THRUST BEARING	118	120	118	118	118	118
FORWARD H.P. ROTOR BEARING	120	120	120	120	120	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	140	138	133	135	135	135
FORWARD L. P. ROTOR BEARING	130	135	132	132	133	132
AFT. L.P. ROTOR BEARING	128	130	130	129	130	130
HOTTEST GEAR BEARING FORWARD	155	158	160	158	158	151
HOTTEST GEAR BEARING AFT	145	148	147	145	148	147
AUX. COND. CONDENSATE	98/100		96	98/100	96	100
1ST STAGE FEED WATER HEATER	156	156	156	156	154	152
D. C. FEED WATER HEATER	240	238	238	238	238	240
~~3RD STAGE FEED WATER HEATER~~ HP/LP	.050/100	—	—	—		
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS P/S	200/200	210/175	200/190	195/175	190/190	200/200
F. O. BACK PRESSURE P/S	10/10	10/11	10/11	10/10	10/10	10/10
AIR TO FURNACE P/S	5.2/5.2	5.0/4.0	5.0/5.0	5.5/5.0	5.5/5.5	5.5/5.5
SALINITY ~~UPTAKE~~	.41	.41	.41	.41	.41	.41
~~PRESSURES~~ MAIN STEAM	430	440	450	435	450	450
SUPER HEAT	680	680	670	685	680	680
F.O. TO BURNERS P/S	190/190	190/195	190/190	190/190	190/190	194/190
F.O. TEMP. IN SETTLING TANKS P/S	90/100	90/95	95/107	95/105	90/105	94/104
~~TEMPS~~ PORT BOILER UPTAKE	330	335	348	350	345	328
STBD. BOILER UPTAKE	325	315	320	320	325	320
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	78	78	78	78	78	80
FIRE ROOM TEMPERATURE	78	78	78	78	78	80
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	680	9	120	110		62	1100	1100	235
	2	1200	430	680	7	130	116		62	1150	1100	235
1600 TO 2000	1	1200	440	680	9	120	110		62	1000	1000	235
	2	1200	440	680	7	128	116		60	1000	1100	235
2000 TO 2400	1	1200	440	675	9	120	110		62	1050	1050	235
	2	1200	440	675	7	130	116		60	1050	950	235
2400 TO 0400	1	1200	435	685	9	120	110		62	1000	950	235
	2	1200	435	685	7	130	116		60	900	900	235
0400 TO 0800	1	1200	440	680	9	120	110		62	1100	1050	235
	2	1200	440	680	7	130	116		60	1100	1050	235
0800 TO 1200	1	1200	440	680	9	120	110		62	1200	1200	235
	2	1200	440	680	7	130	116		60	1200	1100	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10609330
	METER PREVIOUS NOON	10593590
	CONSUMED BY METER	15740
	ON HAND AT START OF DAY	17151
	RECEIVED DURING DAY	-0-
	EXPENDED DURING DAY	711
	REMAINING ON BOARD	16440
DOMESTIC WATER	ON HAND AT START OF DAY	1057
	EVAPORATED OR RECEIVED	189
	ON HAND	1085
	CONSUMED	161
BOILER WATER	ON HAND AT START OF DAY	324
	EVAPORATED OR RECEIVED	40
	ON HAND	342
	CONSUMED	22
LUBE OIL	ON HAND AT START OF DAY	2730
	RECEIVED	-0-
	ON HAND	2720
	CONSUMED	10
DIESEL OIL	ON HAND	1410
	~~CONSUMED~~	1408
		2

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)					
4	4	4	4	4	4

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	1440	PERCENT OF SLIP	POS. 12.7
DETENTION TIME	-0-	BBL FUEL/MI	1.37 1.57
TOTAL REVOLUTIONS	139219	WIND DIRECTION	160°
AVERAGE R.P.M.	96.7	STATE OF SEA	12' SWELL
TOTAL MILES BY ENGINE	519	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	453		

FROM 1306 TO 60-4594

REMARKS

1200-1600 WATCH
UNDERWAY ON 18 NOZZ MACH. INOPERATION. 1&2 Boilers 1&2 F.D. Blowers. 1&2 F.O.S. PMPS. 1&2 MN. FD. PMPS. MN&AUX AIR Ejectors. MN&AUX CIRC PMPS. MN&AUX COND. PMP L.O.S. PMP. L.O. PURIFIER. 1&2 AUX GENERATORS. FIRE&SAN PMP. PORT STEERING GEAR. Tested overspeed trip LOW L.O. ALARM ON MN TURBINE & Throtl. Checked Steering E.R. GEAR. Pumped Bilges. Shifted & Cleaned P/S F.O. disch STRAINERS. Shifted F.O. Suct to Port INBd SCH @1500. Added 2 GALS L.O. to #1 MN Feed & 1 GAL to 2. Made Routine Inspections of MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- Henry Burney

1600-2000 WATCH
Steaming as before. 1555 to 1618 blew tubes on #1 & 2 boilers 1737 Cruising Conditions sets. Changed bottom burner in #1 & 2 boilers. shifted and Cleaned F.O. disch. strainer to #1 & 2 boilers. Checked all Machinery and spaces.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH
Underway Steaming on 18 Nozz, 2040 to 2120 Pumped F.O. Settlers, from #4 Deep. Cleaned + Changed top Burners #1+2 Boiler, Cleaned + Shift F.O. disch Strainers P+S., Made Rounds + Insp of Mach + Eng spaces, added 3 gals L.O. to #2 feed pump, added 2½ gals L.O. to #1 feed pump. Cleaned + Shifted L.O. Strainers on #1+2 Turbo generators.

WATCH ENGR'S SIGNATURE- R Summers.

2400-0400 WATCH
UNDERWAY ON 18 NOZZ. MACH AS Before. Changed & Cleaned CENTER F.O. BURNERS P/S disch. STRAINERS. Daily test of stby L.O. pump FOR 1-hr. Secured L.O. PURIFIER @0100 Cleaned & back in SERVICE @0130. Shifted & CLEANED MN L.O. disch STRAINER. Pumped Bilges. Checked steering E.R. GEAR. Added 2 GALS L.O. to #1 MN Feed PUMP & 1 GAL to #2 MADE Routine Rounds on MACH. AND ENGS SPACES.

WATCH ENGR'S SIGNATURE- Henry Burney

0400-0800 WATCH
UNDERWAY ON 18 NOZZ MACH AS Before. Changed & CLEANED BOTTOM F.O. BURNERS. INSPECTED & CLEANED MAIN L.O. disch. STRAINER. Cleaned + Shifted Port + STBD FO Disch Strainers. Added 3 gal L.O. to #1 Feed pump. Made Rounds + Insp. of Mach + Eng Spaces.

WATCH ENGR'S SIGNATURE- R Summers

0800-1200 WATCH
Underway, Steaming on 18 Nozz, 0810 to 0840 Blew tubes on #1+2 Boilers. 0830 to 0930 pumped settlers from #4 & Dep tks, Cleaned + Changed Top burners in #1+2 Boilers, Cleaned + Shifted F.O. Disch Strainers P+S. Made Routine Rounds + Insp of Mach + Eng spaces. #1+2 Evaps Dist to #3 P/S Dist 10,100 gals @1115 to 1130 Test Engine Order Telegraph from Bridge.

WATCH ENGR'S SIGNATURE- R Summers.

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1154	HOURS 957
AKL.	AKL.
T-AKL.	T-AKL.
SAL.	SAL.
PHOS.	PHOS.
RRch	RRch

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-118	7-A	NSC OAKLAND CALIF	OKINAWA	P2-S2-R2	13+14 Jan-67

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	260	260	260	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1960 8960	1963 2390	1965 7380	1968 2640	1970 7880	1973 0690
TOTAL REVOLUTIONS (FOR WATCH)		23210 ~~96.7~~	23430	24990	25260	25240	22810
AVERAGE RPM		96.7	97.6	96.1	97.1	95.1	95.0
F.O. METER (END OF WATCH)		1061 1950	1061 4530	1061 7330	1062 0250	1062 3080	1062 5630
F.O. CONSUMED		2600	2600	2850	2870	2830	2550
MACHINERY PARTICULARS – PRESSURES	THROTTLE	430	440	440	440	435	435
	H.P. AHEAD	430	435	435	435	435	435
	L.P. AHEAD	20	22	22	22	22	22
	VACUUM	29"	28.7"	28	27"	29	29
	L.O. TO TURBINES	12	12	12	12	12	12
	AUX. STEAM	145	140	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	2	4	2.5	2.5	3	2
	H.P. BLEEDER	68	74	72	70	64	64
	I.P. BLEEDER		6	6		6	6
	L.P. BLEEDER	12	11"	11"	12"	10"	10"
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	690	680	680	680	680	680
	L.P. EXHAUST	95	98	97	97	98	100
	CONDENSATE	90	90	92	92	92	94
	CIRC. WATER IN	68	68	67	69	69	69
	CIRC. WATER OUT	80	80	80	80	80	82
	L.O. TO COOLERS	128	126	127	127	128	128
	L.O. FROM COOLERS	109	108	108	109	108	108
	TEMPERATURE THRUST BEARING	118	118	117	118	118	117
	FORWARD H.P. ROTOR BEARING	120	120	120	120	120	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	136	135	135	136	135	135
	FORWARD L. P. ROTOR BEARING	134	132	132	134	130	133
	AFT. L.P. ROTOR BEARING	128	128	128	130	130	130
	HOTTEST GEAR BEARING FORWARD	157	155	158	158	155	154
	HOTTEST GEAR BEARING AFT	145	145	145	147	145	145
	AUX. COND. CONDENSATE	102/102	[illegible]	100	98/100	[illegible]	100
	1ST STAGE FEED WATER HEATER	154	158	156	156	156	156
	D. C. FEED WATER HEATER	240	240	239	240	238	240
	~~2ND STAGE FEED WATER HEATER~~ HP / LP	~~150~~ / 100	—	—	—		
BOILER PARTICULARS – PRESSURES	F.O. TO BURNERS P/S	185/190	210/180	195/190	200/195	200/190	190/190
	F. O. BACK PRESSURE P/S	10/10	10/10	10/10	10/10	10/10	10/10
	AIR TO FURNACE P/S	5.2/5.2	5.2/4.2	5.5/5.5	5.2/5.2	5.0/5.6	5.0/5.5
	~~SALINITY UPTAKE~~	.41	.41	.41	.41	.41	.41
	MAIN STEAM	440	440	450	440	435	450
BOILER PARTICULARS – TEMPERATURES	SUPER HEAT	690	680	680	680	680	
	F.O. TO BURNERS P/S	190/190	195/200	195/195	190/190	190/180	190/190
	F.O. TEMP. IN SETTLING TANKS P/S	95/105	95/100	99/102	95/105	90/100	92/97
	PORT BOILER UPTAKE	330	330	330	330	345	330
	STBD. BOILER UPTAKE	320	330	320	320	325	325
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	80	80	78	77	78	78
	FIRE ROOM TEMPERATURE	80	80	78	77	78	78
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/10	53/10	53/10	53/10	53/10	53/10
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	690	9	120	110		62	1150	1100	235
	2	1200	430	690	7	132	114		60	1100	1100	235
1600 TO 2000	1	1200	440	680	9	120	110		62	1100	1100	235
	2	1200	440	680	7	132	116		60	950	1050	235
2000 TO 2400	1	1200	440	680	7	120	110		62	1050	1000	235
	2	1200	440	680	7	132	116		60	1050	1000	235
2400 TO 0400	1	1200	440	680	9	120	110		62	1050	1050	235
	2	1200	440	680	7	130	118		60	1100	1100	235
0400 TO 0800	1	1200	435	680	9	120	110		62	1000	1000	235
	2	1200	435	680	7	130	116		60	1000	1050	235
0800 TO 1200	1	1200	435	680	9	120	110		62	1000	1000	235
	2	1200	435	680	7	130	116		60	1150	1000	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10625630	BOILER WATER	ON HAND AT START OF DAY	342
	METER PREVIOUS NOON	10609330		EVAPORATED OR RECEIVED	27
	CONSUMED BY METER	16300		ON HAND	326
	ON HAND AT START OF DAY	16440		CONSUMED	43
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	2720
	EXPENDED DURING DAY	705		RECEIVED	-0-
	REMAINING ON BOARD	15735		ON HAND	2710
DOMESTIC WATER	ON HAND AT START OF DAY	1084		CONSUMED	10
	EVAPORATED OR RECEIVED	199	DIESEL OIL		1408
	ON HAND	1100	ON HAND		1405
	CONSUMED	183	CONSUMED		3

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

4	4	4 1/3	4 1/3	4 1/3	4

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 1/3	4 1/3	4 1/3	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	Pos. 12.2
DETENTION TIME	-0-	BBL FUEL/MI	1.32 1.50
TOTAL REVOLUTIONS Pos.	143240	WIND DIRECTION	050°
AVERAGE R.P.M.	95.4	STATE OF SEA	12' SWELL
TOTAL MILES BY ENGINE	534	STATE OF WEATHER	62°
TOTAL MILES BY OBSERVATION	469		

FR-1775 to EO-4125

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZ MACH INOPERATION 1+2 BOILERS. 1+2 F.D. BLOWERS. 1+2 F.O.S. PMPS. 1+2 MN. F.D. PMPS. MN+AUX AIR EJECTORS. MN+AUX COND PMPS. L.O. PURIFIER. L.O.S. PMP. 1+2 AUX GENERATORS. FIRE+SAN PUMP. PORT STEERING GEAR. Tested OVERSPEED TRIP LEAD L.O. ALARM. ON MN TURBINE & THROTT. PUMPED BILGES. Checked STEERING E.R. GEAR. Changed & Cleaned CENTER F.O. BURNERS & P/S disch STRAINERS. Shifted F.O. SUCT to PORT INBD SETT @1500 Made Routine ROUNDS ON MACH & ENG'S SPACES. Added 2 GAL L.O. to #1 MN. F.D. PUMP & 1 GAL to 2

WATCH ENGR'S SIGNATURE- George Bunney

1600-2000 WATCH

UNDERWAY ON 18 NOZZ MACH AS Before. Blew Tubes on 1+2 1550-1610 Changed & Cleaned Bottom F.O. BURNERS on 1+2 Boilers. Cleaned & Shifted F.O. Disch Strainers P+S, Tank Drag on D.B. F.O. TANKS #3 P+S + C, #2 P+S #1 P+S #4 P+S C, @ 1816 Closed Watertight Doors Bycker Bridge.
Added 3 gals L.O. to #1 Feed pump
Made Rounds & Insp. of Mach & Eng spaces.

WATCH ENGR'S SIGNATURE- R Summers

2000-2400 WATCH

Underway, Steaming on 18 Nozz, 2130 to 2110 pumped F.O. Settlers from #4 & Dep. Cleaned & Changed Top Burners #1+2 Boiler, Clean & Shift F.O. Disch Strainers
Made Rounds & Insp of Mach & Eng spaces,
Retard Ships Clock at 20 Min at 2300.

WATCH ENGR'S SIGNATURE- R Summers.

2400-0400 WATCH

UNDERWAY ON 18 NOZZ MACH AS Before. Changed & Cleaned CENTER F.O. BURNERS AND P/S disch STRAINERS. Retarded CLOCKS 20 MINS @0100 DAILY test of stby L.O. PUMP FOR 1-hr. Shifted & CLEANED MN L.O. disch. STRAINER. Checked STEERING E.R. GEAR. PUMPED BILGES. Added 2 GALS L.O. ea to 1+2 MN Feed PUMPS. Made Routine ROUNDS ON MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Bunney

0400-0800 WATCH

UNDERWAY ON 18 NOZZ MACH AS Before. Retarded CLOCKS 20 MINS @0500 Changed & Cleaned BOTTOM F.O. BURNERS ON 1+2 BLRS. Tank drag on #3 P/S & C,
Added 3 gal LO to #1 MAIN Feed PUMP, Cleaned & Shifted F.O. Disch STRAINERS
Made Rounds & Insp. of Mach & Eng Spaces, opened W.T. Doors at 0720

WATCH ENGR'S SIGNATURE- R Summers

0800-1200 WATCH

Underway, Steaming on 18 Nozz. 0800 to 0830 Blew tubes on # 1+2 Boiler, 0830 to 0930 pumped Settlers from #4 & Dep TKS, Confined plant at 1000,
Cleaned & Changed Top Burners # 1+2 Boilers, Cleaned & Shifted F.O. Disch Strainers
Made Rounds & Insp of Mach & Eng spaces.

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1178	HOURS 981
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PHOS.	PHOS.
Rph	Rph

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	7-B	NSC Oakland Calif	Okinawa	P2-S2-R2	1-14-15-67

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	260	260	260	240
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)		1975 3780	1977 6790	1980 2480	1982 7920	1985 4290	1987 6720
TOTAL REVOLUTIONS (FOR WATCH)		23090	23010	25690	25440	25370	22430
AVERAGE RPM		96.2	95.8	98.8	97.8	97.5	93.4
F.O. METER (END OF WATCH)		1062 8230	1063 0730	1063 3400	1063 6120	1063 8840	1064 1340
F.O. CONSUMED		2600	2500	2670	2730	2710	2500
MACHINERY PARTICULARS – PRESSURES	THROTTLE	430	435	435	435	435	435
	H.P. AHEAD	430	435	435	435	435	435
	L.P. AHEAD	22	22	22	22	22	22
	VACUUM	29"	29"	28.5	29"	29"	29"
	L.O. TO TURBINES	12	12	12	12	12	12
	AUX. STEAM	140	140	140	140	140	145
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	2.5	1.0	1.0	1.5	1.0	1.0
	H.P. BLEEDER	70	66	70	70	54	68
	I.P. BLEEDER	5	6	6	5	6	6
	L.P. BLEEDER	12"	10"	10	10	10"	10"
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	690	700	690	690	700	700
	L.P. EXHAUST	97	98	100	100	100	96
	CONDENSATE	73	92	96	96	94	94
	CIRC. WATER IN	69	69	71	71	70	70
	CIRC. WATER OUT	72	80	82	82	82	82
	L.O. TO COOLERS	127	127	128	127	127	126
	L.O. FROM COOLERS	108	108	108	108	108	108
	TEMPERATURE THRUST BEARING	118	118	118	118	118	118
	FORWARD H.P. ROTOR BEARING	120	120	120	120	120	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	136	135	135	135	135	35
	FORWARD L. P. ROTOR BEARING	132	130	132	132	133	135
	AFT. L.P. ROTOR BEARING	126	128	128	128	128	130
	HOTTEST GEAR BEARING FORWARD	158	155	160	157	160	160
	HOTTEST GEAR BEARING AFT	148	145	145	145	145	145
	AUX. COND. CONDENSATE	102/102	102	110	108		100
	1ST STAGE FEED WATER HEATER	156	158	156	158	156	156
	D. C. FEED WATER HEATER	240	240	240	240	240	240
	~~3RD STAGE FEED WATER HEATER~~ HP / LP	1050 / 180					
BOILER PARTICULARS – PRESSURES	F.O. TO BURNERS P/S	200/195	180/190	180/180	175/175	180/190	180/180
	F. O. BACK PRESSURE P/S	10/10	10/10	10/10	10/10	9/9	9/9
	AIR TO FURNACE P/S	5.2/5.4	4.8/5.0	5.0/5.0	5.2/5.2	5.0/5.4	5.4/5.0
	SALINITY UPTAKE	.41	.41	.41	.41	.88	.41
	MAIN STEAM	435	435	450	440	435	440
BOILER PARTICULARS – TEMPERATURES	SUPER HEAT	690	700	690	690	700	700
	F.O. TO BURNERS P/S	190/190	185/195	190/190	190/190	190/195	190/190
	F.O. TEMP. IN SETTLING TANKS P/S	95/100	95/100	93/97	90/100	90/100	90/105
	PORT BOILER UPTAKE	335	325	325	330	330	325
	STBD. BOILER UPTAKE	325	320	322	325	325	340
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	78	78	78	78	78	80
	FIRE ROOM TEMPERATURE	78	78	78	78	78	80
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/20	53/20	53/20	53/20	53/20	53/20
	CO_2 % PORT BOILER					13	
	CO_2 % STBD. BOILER					13¼	
	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	435	690	9	120	110		62	1000	1000	235
	2	1200	435	690	7	132	114		60	950	950	235
1600 TO 2000	1				sec							
	2	1200	435	700	7	130	116		60	1100	1100	235
2000 TO 2400	2	1200	435	690	7	130	114		60	1250	1250	235
2400 TO 0400	2	1200	435	690	7	132	114		60	1250	1250	235
0400 TO 0800	1				sec							
	2	1200	435	700	7	132	116		60	1300	1350	235
0800 TO 1200	2	1200	440	700	7	132	118		60	1400	1400	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1064 1340	BOILER WATER	ON HAND AT START OF DAY	326
	METER PREVIOUS NOON	1062 5630		EVAPORATED OR RECEIVED	72
	CONSUMED BY METER	15710		ON HAND	358
	ON HAND AT START OF DAY	15735		CONSUMED	40
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	2710
	EXPENDED DURING DAY	702		RECEIVED	-0-
	REMAINING ON BOARD	15033		ON HAND	2700
DOMESTIC WATER	ON HAND AT START OF DAY	1100		CONSUMED	10
	EVAPORATED OR RECEIVED	153	DIESEL OIL		1406
	ON HAND	943	ON HAND		1403
	CONSUMED	310	CONSUMED		2

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

4	12.2 4⅓	4⅓	4⅓	4

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	4⅓	4⅓	4⅓	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP Pb	14.9
DETENTION TIME	-0-	BBL FUEL/MI	1.30 1.53
TOTAL REVOLUTIONS	144100	WIND DIRECTION	160°
AVERAGE R.P.M.	96.1	STATE OF SEA	5' swell
TOTAL MILES BY ENGINE	537	STATE OF WEATHER	64°
TOTAL MILES BY OBSERVATION	457		

From 2232 To 60-3668

REMARKS

1200-1600 WATCH
UNderway on 18 Nozz Mach Inoperation 1+2 Boilers 1+2 FR Blowers. 1+2 F.O.S. Pmp 1+2 MN FR Pmps. MN Air Ejector. MN Circ + 2 MN Cond Pmps. L.O. purifier L.O. pump Fire + San Pmp. 1+2 Aux Generators. Aux Air Ejector Circ + Cond Pmps. ~~over~~ to Main. Port Steering Gear. Tested overspeed trip + low L.O. Alarm on MN Turbine + Thrust. Pumped Bilges. Checked Steering E.R. Gear. Shifted F.O. suct to port Inbd sch @ 1445. Changed + Cleaned Center F.O. burners + P/S disch strainers. Secured #1 Aux Generator @ 1545.

WATCH ENGR'S SIGNATURE- Jerry Burney

1600-2000 WATCH
UNderway on 18 Nozz Mach as Before. Blow Tubes on #1+2 Boilers 1555 1615. Changed + Cleaned bottom F.O. Burners. Cleaned + Shifted F.O. Disch Strainers. 1754 Closed Water Tight Doors. Add 3 gals L.O. To #1 Feed pump. Secured #1 Evaporator @ 1719. Lit off #1 Evap @ 1745.
Made Rounds + Insp of Mach + Eng Spaces.

WATCH ENGR'S SIGNATURE- R Summers.

2000-2400 WATCH
Underway, Steaming 18 Nozz, Cleaned Top Burners on #1+2 Boilers, Clean and Shift F.O. Disch Strainers P+S, pumped F.O. Settlers from #4 & Dap, 2030 to 2145. Cleaned + Shifted L.O. Strainer on #2 Generator. added 1 gal oil to #1 Feed pump.
Made Rounds + Insp of Mach + Eng spaces
Retarded Ships Clock 20 minutes @ 2300

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH
UNderway on 18 Nozz Mach as Before. Changed + Cleaned Center F.O. burners P/S disch strainers. Retarded Clocks 20 mins @ 0100. Daily test of stby L.O. pump for 1-hr. Shifted + Cleaned Main L.O. disch strainer. Pumped Bilges. Checked Steering E.R. Gear. Added 2 Gals L.O. to #1 Main Feed Pump + 1 Gal to #2. Made Routine Inspections of Mach. And Engs Spaces.

WATCH ENGR'S SIGNATURE- Jerry Burney

0400-0800 WATCH
Steaming as before on 18 Nozz. Changed and Cleaned bottom burner in #1 + 2 boilers. Shifted and Cleaned Disch. F.O. strainer to #1+2 boilers. Checked S.E. room and all operating mach. 0500 retarded Clocks (20 mi). Routine Watch + inspections of spaces. 0647 Cruising Conditions modified.

WATCH ENGR'S SIGNATURE- Wm Jones

0800-1200 WATCH
Underway, Steaming on 18 Nozz. 0800 to 0830 Blow tubes on #1+2 Boilers 0840 put steam on #3 C.D.B. F.O. Temp, put steam on D.B. #2 P+S, 0830 to 0930 pumped to settlers, Cleaned + Changed top Burners in #1+2 Boilers Cleaned + Shifted F.O. Disch Strainers,
Made Rounds + Insp. of Mach + Eng spaces.
Cleaned L.O. Strainer on #2 Gen,

WATCH ENGR'S SIGNATURE- R Summers.

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1202	HOURS 1625
AKL 7.93	AKL 8.74
T-AKL 1635	T-AKL 1285
SAL. 3.73	SAL. 3.75
PHOS. 45	PHOS. 50
R.PH 10.0	R.PH 10.0

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE THP-114	7-11	NSC OAKLAND CALIF	OKINAWA	P2-S2-R2	1-15-16-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	1990 6165	1992 3420	1994 8580	1997 3210	1999 8980	2002 2350
TOTAL REVOLUTIONS (FOR WATCH)	23440	23360	25160	25230	25170	23350
AVERAGE RPM	97.7	97.3	96.7	97.0	96.8	97.2 ~~97.1~~
F.O. METER (END OF WATCH)	1064 3710	1064 6480	1064 9210	1065 2000	1065 4740	1065 7280
F.O. CONSUMED	2570	2570	2730	2790	2740	2540

MACHINERY PARTICULARS		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
PRESSURES	THROTTLE	430	435	435	435	435	435
	H.P. AHEAD	435	435	435	435	435	435
	L.P. AHEAD	21	21	21	21.5	21.5	21.5
	VACUUM	29"	28"7	28.5	28.8	28.8"	28
	L.O. TO TURBINES	12	12	12	12	12	12
	AUX. STEAM	140	150	150	150	150	150
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	1.5	1.5	1.0	1.0	1.0	1.0
	H.P. BLEEDER	70	66	72	70	62	72
	I.P. BLEEDER	6	6	6	6	6	6
	L.P. BLEEDER	10"	10"	10"	10"	10"	10"
TEMPERATURES	STEAM AT THROTTLE	690	690	690	685	695	695
	L.P. EXHAUST	99	99	100	100	100	100
	CONDENSATE	94	94	96	96	96	96
	CIRC. WATER IN	69	70	70	71	72	73
	CIRC. WATER OUT	82	84	82	84	84	86
	L.O. TO COOLERS	127	128	126	126	128	124
	L.O. FROM COOLERS	108	108	108	108	108	108
	TEMPERATURE THRUST BEARING	118	118	118	118	118	118
	FORWARD H.P. ROTOR BEARING	122	120	120	122	120	120

MACHINERY PARTICULARS (CONT'D)		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	135	135	135	135	135	135
	FORWARD L. P. ROTOR BEARING	131	132	132	130	133	130
	AFT. L.P. ROTOR BEARING	128	128	128	128	130	130
	HOTTEST GEAR BEARING FORWARD	156	155	158	157	160	155
	HOTTEST GEAR BEARING AFT	145	145	145	145	145	145
	AUX. COND. CONDENSATE	105		116	109		115
	1ST STAGE FEED WATER HEATER	156	154	156	156	156	156
	D. C. FEED WATER HEATER	240	238	240	240	240	240
	~~3RD STAGE FEED WATER HEATER~~ HP	~~150~~					
	~~3RD STAGE FEED WATER HEATER~~ LP	~~160~~					
BOILER PARTICULARS							
TEMPERATURES	F.O. TO BURNERS P/S	175/180	190/190	180/180	185/180	180/190	180/180
	F. O. BACK PRESSURE P/S	10/10	11/12	10/10	10/10	10/10	10/10
	AIR TO FURNACE P/S	5.2/5.4	4.4/4.6	5.0/5.0	5.0/5.0	5.0/5.0	5.0/5.0
	~~SALINITY UPTAKE~~	.41	.41	.41	.41	.41	.41
	MAIN STEAM	435	435	440	440	440	440
	SUPER HEAT	690	690	690	685	695	695
PRESSURES	F.O. TO BURNERS P/S	190/190	195/195	190/190	190/190	190/190	190/190
	F.O. TEMP. IN SETTLING TANKS P/S	95/105	98/105	102/112	105/110	100/110	105/115
	PORT BOILER UPTAKE	325	325	327	325	330	330
	STBD. BOILER UPTAKE	320	315	320	320	325	320
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	81	80	80	81	82	84
	FIRE ROOM TEMPERATURE	81	80	80	81	82	84
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
	CO_2 % PORT BOILER					13%	
	CO_2 % STBD. BOILER					13%	
	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	2	1200	430	690	7	132	115		62	1400	1400	235
1600 TO 2000	1				500							
	2	1200	435	690	7	132	116		60	1300	1300	235
2000 TO 2400	2	1200	440	690	7	132	116		60	1300	1300	325
2400 TO 0400	2	1200	455	685	7	132	116		60	1300	1300	235
0400 TO 0800	2	1200	435	695	7	132	116		60	1300	1300	235
0800 TO 1200	2	1200	435	695	7	132	120		60	1500	1500	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1065280
	METER PREVIOUS NOON	1064340
	CONSUMED BY METER	15940
	ON HAND AT START OF DAY	15033
	RECEIVED DURING DAY	-0-
	EXPENDED DURING DAY	745
	REMAINING ON BOARD	14,288
DOMESTIC WATER	ON HAND AT START OF DAY	943
	EVAPORATED OR RECEIVED	203
	ON HAND	928
	CONSUMED	218

BOILER WATER	ON HAND AT START OF DAY	358
	EVAPORATED OR RECEIVED	30
	ON HAND	349
	CONSUMED	39
LUBE OIL	ON HAND AT START OF DAY	2700
	RECEIVED	-0-
	ON HAND	2690
	CONSUMED	10
DIESEL OIL		1403
ON HAND		1400
CONSUMED		3

LOW PRESS. EVAPORATORS	(No. of hrs. operated)	(Fresh water made gals.)
4	4½ (1-2) 4½	4

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	4½	4½	4½	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	Pos. 10.8
DETENTION TIME	-0-	BBL FUEL/MI	6.39 1.56
TOTAL REVOLUTIONS	143660	WIND DIRECTION	310°
AVERAGE R.P.M.	95.8	STATE OF SEA	Smooth
TOTAL MILES BY ENGINE	536	STATE OF WEATHER	73
TOTAL MILES BY OBSERVATION	478		

Kroon 2710 To Go- 3190

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOV 22 MACH INOPERATED 1&2 BOILERS 1&2 FD. BLOWERS. 1&2 FO PMPS. 1&2 MN. FD. PMPS. MN AIR EJECTOR. MN CIRC & 2 COND PMPS. L.O. PURIFIER. L.O.S PMP. #2 AUX GENERATOR. AUX AIR EJECTOR CIRC & COND PMPS ~~OVER~~ X to MAIN. FIRE & SAN PMP. PORT STEERING GEAR. Tested overspeed trip. Lew L.O. ALARM ON MN TURBINE & THRUST. Pumped Bilges. Checked Steering ER GEAR. Took a drag on #4 & 5 FO tks & 6 & 7 also Added 2 GALS L.O. to #1 MN FO PMP & 1 GAL to #2. Made Routine INSPECTIONS of MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

Steaming as before on 18 Nov. 1550 to 1615 blew tubes on #1 & 2 boilers. Changed and Cleaned bottom burner in #1 & 2 boilers, shifted and cleaned disch. F.O. strainer in #1 & 2 boilers. low gage glass on #1 boiler has top lidy valve nut, secured glass untill again can be accomplished. 1736 Cruising Cond. set. Checked all operating mach. Pumped bilges & Cargo holds. Added 3 gals. oil to #1 feed pump.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH

Underway, Steaming on 18 Nov, 2030 to 2100 pumped to settlers from #3 P&S DB. tanks, Cleaned and Changed top Burners #1&2 Boilers, Cleaned & Shifted to Disch strainers P&S. Cleaned & Shifted L.O. Strainer on #2 Generator.

@ 2300 Retarded ships clock 20 minutes. Made Rounds and Insp. of Mach & Eng Spaces.

WATCH ENGR'S SIGNATURE- R Summers.

2400-0400 WATCH

UNDERWAY ON 18 NOV 22 Mach AS Before. Changed & CLEANED Center F.O. BURNERS & P/S disch STRAINERS. Retarded Clocks 20 MINS @ 0100 Daily test of Stby L.O. PUMP FOR 1-hr. Held ENGS CASUALTY drill B-2 Water IN Fuel oil. Watch INST. and Bridge Notified 0100-0130. Checked Steering ER. GEAR. Pumped Bilges. Purified L.O. ON #1 AUX GENERATOR FOR 2 hrs. Added 2 GALS L.O. to #1 MN Feed PUMP & 1 GAL to #2. Made Routine INSPECTIONS of MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming as before. Changed bottom burner in #1 & 2 boilers. Shifted and Cleaned disch. F.O. Strainer to #1 & 2 boilers. 0530 to 0530 held Casualty drill B-2 water in F.O. system, watch instructed Bridge notified. Checked all operating mach. and outside spaces. 0629 Modified Cruising Conditions set. (Sun rise 0629) Pulled Soot blower drain valve to replace gaskets. Added 2 gals. oil to #1 feed pump.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH

Underway, Steaming on 18 Nov. 0800 to 0815 blew tubes on #1 Boiler, 0830 to 0910 pumped to settlers from #3 port D.B. Cleaned & changed top Burners #1&2 Boilers, Clean & Shift F.O. Disch Strainers, add 1½ gal L.O. to #1 feed pump. @ 930 to 1000 Held Eng Casualty Drill B-2 - 4 men present Bridge Notified. Stripped #3 port DB. to tanks, Cleaned & changed L.O. Strainer #2 Generator.

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	1224	HOURS	1029
AKL	9.34	AKL	7.01
T-AKL	1343	T-AKL	1051
SAL.	4.14	SAL.	4.14
PHOS.	40	PHOS.	40
R.ph	10	[illegible]	10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	7-H	NSC Oakland Calif	Okinawa	P2 S2-R2	1-16-18-67

	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)	2004 5266	2006 9600	2009 3240	2011 6660	2014 0620	2016 3920
TOTAL REVOLUTIONS (FOR WATCH)	23530	23740	23610	23670	23740	23300
AVERAGE RPM	98.0	98.9	98.3	98.6	98.9	97.1
F.O. METER (END OF WATCH)	1064 0070	1066 3000	1066 5910	1066 8810	1067 1670	1067 4540
F.O. CONSUMED	2790	2930	2910	2900	2860	2870
MACHINERY PARTICULARS – PRESSURES – THROTTLE	430	440	440	435	430	435
H.P. AHEAD	430	440	440	435	430	435
L.P. AHEAD	26	27	27	26.5	26	25
VACUUM	28.6"	28.5"	28.5"	28.5"	28.5	28.5
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	150	150	150	145	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	2.5	2.5	1.0	1.5	1.0	1.5
H.P. BLEEDER	78	60	60	74	54	60
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	11"	9"	9	10"	9"	9"
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	680	720	700	700	695	695
L.P. EXHAUST	114	105	105	105	108	105
CONDENSATE	100	98	100	100	98	102
CIRC. WATER IN	70	72	74	74	74	73
CIRC. WATER OUT	88	84	88	86	86	86
L.O. TO COOLERS	126	128	130	126	130	126
L.O. FROM COOLERS	108	109	110	108	112	108
TEMPERATURE THRUST BEARING	118	118	120	118	122	120
FORWARD H.P. ROTOR BEARING	122	120	120	122	125	120

MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
AFT. H. P. ROTOR BEARING	136	135	138	137	140	138
FORWARD L. P. ROTOR BEARING	132	133	130	132	135	135
AFT. L.P. ROTOR BEARING	130	130	130	130	130	130
HOTTEST GEAR BEARING FORWARD	157	155	155	155	155	150
HOTTEST GEAR BEARING AFT	145	145	150	145	150	145
AUX. COND. CONDENSATE	112/118		110/115	110/115		112/115
1ST STAGE FEED WATER HEATER	160	156	160	158	158	156
D. C. FEED WATER HEATER	240	238	240	238	238	238
3RD STAGE FEED WATER HEATER H.P. / L.P.	150/156	—	—	—		
BOILER PARTICULARS – PRESSURES – F.O. TO BURNERS P/S	215/215	230/235	240/240	220/220	220/225	230/220
F. O. BACK PRESSURE P/S	16/16	15/15	15/15	13/12	11/13	10/11
AIR TO FURNACE P/S	5.8/6.0	6.4/8.4	6.5/6.0	6.0/6.2	6.0/7.0	6.0/6.0
SUPERHEAT UPTAKE	.41	.41	.41	.41	.41	.41
MAIN STEAM	446	440	440	440	430	435
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	690	720	700	700	695	695
F.O. TO BURNERS P/S	190/190	190/190	200/200	190/190	180/200	190/190
F.O. TEMP. IN SETTLING TANKS P/S	105/110	105/110	120/115	110/120	110/120	113/113
PORT BOILER UPTAKE	345	350	340	340	350	345
STBD. BOILER UPTAKE	335	350	340	335	345	330
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	84	86	86	85	84	87
FIRE ROOM TEMPERATURE	84	86	86	85	84	87
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					13¼	
CO_2 % STBD. BOILER					12¾	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	435	680	9	118	109		62	1400	1400	235
	2	1200	435	680	7	134	120		60	1400	1400	235
1600 TO 2000	1	1200	440	720	9	120	110		62	1450	1450	235
	2	1200	440	720	7	138	124		60	1250	1350	235
2000 TO 2400	1	1200	440	700	9	120	110		62	1300	1300	235
	2	1200	440	700	7	134	122		60	1350	1350	235
2400 TO 0400	1	1200	435	700	9	120	110		62	1250	1250	235
	2	1200	435	700	7	136	122		60	1300	1300	235
0400 TO 0800	1	1200	430	695	9	120	110		62	1450	1450	235
	2	1200	430	695	7	134	124		60	1250	1350	235
0800 TO 1200	1	1200	435	695	9	120	110		62	1400	1400	235
	2	1200	435	695	7	134	124		60	1550	1450	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10674540	BOILER WATER	ON HAND AT START OF DAY	349
	METER PREVIOUS NOON	10657280		EVAPORATED OR RECEIVED	37
	CONSUMED BY METER	17260		ON HAND	334
	ON HAND AT START OF DAY	14,288		CONSUMED	52
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	2690
	EXPENDED DURING DAY	710		RECEIVED	-0-
	REMAINING ON BOARD	13578		ON HAND	2680
DOMESTIC WATER	ON HAND AT START OF DAY	928		CONSUMED	10
	EVAPORATED OR RECEIVED	176	DIESEL OIL		1400
	ON HAND	850	ON HAND		1398
	CONSUMED	254	CONSUMED		2

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

4 4 4 4

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	1440	PERCENT OF SLIP	Pos. 13.7
DETENTION TIME	-0-	BBL FUEL/MI	1.39 1.54
TOTAL REVOLUTIONS AVG.	139045	WIND DIRECTION	220°
AVERAGE R.P.M.	96.6	STATE OF SEA	Slight
TOTAL MILES BY ENGINE	518	STATE OF WEATHER	74°
TOTAL MILES BY OBSERVATION			

FROM 3157 To 60-2743

REMARKS

1200-1600 WATCH

Underway on 18 Nozz Mach. Inoperation 1&2 Boilers 1&2 F.D. Blowers. 1&2 F.O. pmps. 1&2 MN.F.D. pmps. Main Air Ejector. MN.C.R.C + Cond Pmps. L.O. purifier L.O.S. pmp. #1 Aux Gen. Aux Air Ejector. C.R.C + Cond pmps over to M.A.R. F.R.S + SAN PMP. Port Steering Gear Tested Overspeed trip Low L.O. Alarm on MN Turbine + Thrott. Raised vacuum + Started #1 Aux Generator @1230 put On Line @ 1320 Started AC. Unit @1330. Pumped Bilges Checked Steering E.R. Gear. Shifted F.O. Suct to Port Inbd Sett. @1530 Added 2 Gals L.O. to #1 MN Feed pump @ 1600 & Made Routine Inspection of Mach + Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

Steaming as before. 1550 to 1615 blew tubes on #1 + 2 boilers 1711 Cruising Conditions set. Changed bottom burner in #1 + 2 boilers. Shifted and Cleaned disch. F.O. strainer to #1 + 2 boilers. Checked all operating and outside mach. spaces.

WATCH ENGR'S SIGNATURE- H.M. Jones

2000-2400 WATCH

Underway, Steaming on 18 Nozz, Cleaned + Changed Top Burners, Cleaned + Shifted F.O. Disch strainers, 2010 to 2100 pumped F.O. Settlers from #3 & + Stripped #3 stb'd D.B. tank, Cleaned + Shifted L.O. Strainer on #1 + 2 Generator. Made Rounds + Insp of Mach + Eng spaces.

WATCH ENGR'S SIGNATURE- R. Summers.

2400-0400 WATCH

Underway on 18 Nozz Mach as Before. Due to crossing the Date Line Advanced Clocks 24 hrs. For 1-18-72. Changed + Cleaned Center F.O. burners. P/S disch strainers. Daily test of stby L.O. pump for 1-hr. Shifted + Cleaned Main L.O. disch strainer. Pumped Bilges. Checked Steering E.R. Gear. Added 2 Gals. L.O. to #1 + 2 MN Feed Pmps. Made Routine Inspections of Mach + Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming as before. Changed bottom burner in #1 + 2 boilers shifted and Cleaned F.O. disch. strainer to #1 + 2 boilers. Gave #1 + 2 boilers 20 min. Each bottom blow through Contaminated Evap. Compounded #1 + 2 boilers with 6 oz. Ea. 9175. Checked All operating mach. in Eng. room and S.E. room. Shifted + Cleaned main L.O. strainer. Pumped bilges + Cargo holds. Added 3 gal. oil to #1 feed pump.

WATCH ENGR'S SIGNATURE- H. Jones

0800-1200 WATCH

Underway, Steaming on 18 Nozz, 0800 to 0830 Blew tubes on #1 + 2 Boilers. Cleaned + Changed top burners #1 + 2 Boilers, 0830 to 0910 pumped F.O. Settlers from #3 & DB, 0930 Cleaned + Shifted F.O. Suction Strainer, Cleaned + Shifted Stb'd F.O. Disch Strainer, added 1 gal L.O. to #1 Main Feed pumps, pumped #2 + 3 + 4 Cargo holds, @ 0930, Made Rounds + Insp of Mach + Eng Spaces.

WATCH ENGR'S SIGNATURE- R. Summers.

CHIEF ENGINEER

Added 40 Gals L.O. to daily service tks. from Sett tk.

BOILER WATER READINGS

STB'D		PORT	
HOURS	1252	HOURS	1075
AKL	8.76	AKL	7.01
T-AKL	1285	T-AKL	1110
SAL.	4.14	SAL.	4.14
PHOS.	35	PHOS.	35
R.ph	10	R.ph	10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	7-A	NSC OAKLAND CALIF	OKINAWA	P2-S2-R2	1-18-19

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2018 7140	2021 0720	2023 6060	2026 1610	2028 6670	2030 9930
TOTAL REVOLUTIONS (FOR WATCH)	23220	23580	25340	25550	25060	23260
AVERAGE RPM	96.7	98.2	97.5	98.2	96.3	96.9
F.O. METER (END OF WATCH)	1067 7500	1068 0370	1068 3480	1068 6660	1068 9770	1069 2600
F.O. CONSUMED	2960	2870	3110	3180	3110	2830
MACHINERY PARTICULARS — PRESSURES — THROTTLE	435	435	435	435	430	440
H.P. AHEAD	435	435	435	435	430	440
L.P. AHEAD	26	27	26	26	26	26
VACUUM	28.6"	28.5	28.5	28.5"	28.5	28.5
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	150	145	145	140	135	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.5	2.0	2.0	2.0	1.5	2.0
H.P. BLEEDER	72	60	60	70	60	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	11"	9"	10"	9"	9"	9"
TEMPERATURES — STEAM AT THROTTLE	680	700	700	680	690	690
L.P. EXHAUST	105	105	105	105	105	105
CONDENSATE	98	98	100	97	96	96
CIRC. WATER IN	76	71	74	71	71	71
CIRC. WATER OUT	84	84	86	84	84	86
L.O. TO COOLERS	124	130	126	120	130	126
L.O. FROM COOLERS	108	112	108	105	112	108
TEMPERATURE THRUST BEARING	117	120	120	118	120	118
FORWARD H.P. ROTOR BEARING	120	125	120	120	123	120

MACHINERY PARTICULARS (CONT'D) — TEMPERATURES (CONT'D)	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
AFT. H. P. ROTOR BEARING	136	140	140	136	140	135
FORWARD L. P. ROTOR BEARING	132	135	130	130	135	130
AFT. L.P. ROTOR BEARING	129	130	130	128	130	130
HOTTEST GEAR BEARING FORWARD	152	155	150	154	155	150
HOTTEST GEAR BEARING AFT	145	150	145	145	150	145
AUX. COND. CONDENSATE	110/112		112/110	112/116		108/110
1ST STAGE FEED WATER HEATER	156	156	156	156	154	156
D. C. FEED WATER HEATER	236	235	240	240	235	238
~~3RD STAGE FEED WATER HEATER~~ HP / LP	.050 / 100	—	—	—		
BOILER PARTICULARS — PRESSURES — F.O. TO BURNERS P/S	220/220	230/220	220/220	220/215	220/200	220/220
F. O. BACK PRESSURE P/S	10/10	10/11	6/7	6/7	10/10	7/7
TEMPERATURES — AIR TO FURNACE P/S	6.2/6.2	6.0/6.0	6/6	6.0/6.0	6.4/6.4	5.8/5.8
SALINITY UPTAKE	.41	.41	.41	.41	.41	.41
MAIN STEAM	440	435	435	435	430	440
SUPER HEAT	680	700	700	685	690	690
TEMPERATURES — PRESSURES — F.O. TO BURNERS P/S	190/190	190/195	190/190	190/190	190/190	190/190
F.O. TEMP. IN SETTLING TANKS P/S	110/112	105/110	100/110	95/100	95/100	95/95
PORT BOILER UPTAKE	345	345	345	350	355	340
STBD. BOILER UPTAKE	325	325	330	335	340	330
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	86	84	86	85	85	84
FIRE ROOM TEMPERATURE	86	84	86	85	85	84
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					13 1/4	
CO_2 % STBD. BOILER					13 3/4	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	435	680	9	120	110		62	1500	1500	235
	2	1200	435	680	7	135	122		60	1450	1450	235
1600 TO 2000	1	1200	435	700	9	120	110		61	1450	1450	235
	2	1200	435	700	7	134	122		60	1250	1350	235
2000 TO 2400	1	1200	435	700	9	120	110		61	1450	1450	235
	2	1200	435	700	7	134	122		60	1300	1250	235
2400 TO 0400	1	1200	435	685	9	120	116		62	1400	1350	235
	2	1200	435	685	7	134	120		60	1350	1250	235
0400 TO 0800	1	1200	430	690	9	120	110		61	1350	1350	235
	2	1200	430	690	7	134	120		60	1350	1460	235
0800 TO 1200	1	1200	440	690	9	120	110		62	1250	1250	235
	2	1200	440	690	7	134	122		60	1550	1450	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1069260	BOILER WATER — ON HAND AT START OF DAY	334
	METER PREVIOUS NOON	1067454	EVAPORATED OR RECEIVED	63
	CONSUMED BY METER	1806	ON HAND	353
	ON HAND AT START OF DAY	13,578	CONSUMED	44
	RECEIVED DURING DAY	-0-	LUBE OIL — ON HAND AT START OF DAY	2680
	EXPENDED DURING DAY	700	RECEIVED	-0-
	REMAINING ON BOARD	12,878	ON HAND	2670
DOMESTIC WATER	ON HAND AT START OF DAY	850	CONSUMED	10
	EVAPORATED OR RECEIVED	155	DIESEL OIL	1398
	ON HAND	809	ON HAND	1395
	CONSUMED	196	CONSUMED	3

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

1	4 1/3	4 1/3	4	

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 1/3	4 1/3	4 1/3	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	P.S. 13.3
DETENTION TIME	-0-	BBL FUEL/MI	1.31 / 1.51
TOTAL REVOLUTIONS P.S.	143,280	WIND DIRECTION	280°
AVERAGE R.P.M.	95.5	STATE OF SEA	3-10 FT. SWELLS
TOTAL MILES BY ENGINE	534	STATE OF WEATHER	72°F
TOTAL MILES BY OBSERVATION			

FROM 3620 TO 60-2280

REMARKS

1200-1600 WATCH

UNderway on 18 Nozz Mach. Inoperation 1&2 Boilers. 1&2 FW. Blowers 1&2 FOS. Pmps. 1&2 MN. FW pmps Stby Floating. MN. Air Ejector. MN Circ & Cond Pmps. L.O. Purifer. L.O.S. Pmp. Fire & San Pmp. A.C. Unit. 1&2 Aux Generators. Aux Air Ejector Circ & Cond. pmps Over to Main. Port Steering Gear. Tested overspeed trip Low L.O. Alarm on MN Turbine & Thrth. Pumped Bilges. Checked steering ER Gear. Weekly test of Emergency Equipment & Safety devices. Added 2 Gals L.O. to 1&2 Feed pmps. Shifted F.O. suct to port sthd sch @ 1530. Made Routine Inspections of Mach & Engs Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

Steaming as before. 1550 to 1612 blew tubes on #1 & 2 boilers. Changed bottom burner on #1 & 2 boilers. Shifted & Cleaned F.O. disch. strainer to #1 & 2 boilers. Checked all operating mach. and S.E. room. Pumped bilges & Cargo holes. Added 3 gal. oil to #1 feed Pump.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH

Underway, Steaming 18 Nozz, Cleaned & Changed top Burners #1 & 2 Boilers Cleaned & Changed L.O. Strainers in #1 & 2 Generators. added 1½ gal L.O. to #1 Feed pump 2030 to 2130 Pumped 7o Settlers from #3 & DB, Cleaned & Shift P & S F.O. Disch Strainers. Retarded Ships Clock 20 min @ 2300

Made Rounds & Insp of mach & Eng spaces.

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH

UNderway on 18 Nozz Mach as Before. Changed & Cleaned Center F.O. Burners and P/S disch. Strainers. Retarded Clocks 20 mins @ 0100. Held Eng's Casualty drill B-3 Loss of Feed Pump Suction Watch Inst & Bridge Notified 0100-0130 Daily test of stby L.O. Pump For 1-hr. Shifted & Cleaned Main L.O. disch. Strainers. Checked Steering ER Gear. Added 3 Gals L.O. to #1 Main Feed Pump & 2 Gals to #2 Made Routine Inspection of Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming as before. Changed bottom burner in #1 & 2 boilers. Shifted & Cleaned F.O. disch. strainer to #1 & 2 boilers. Shifted and Cleaned main L.O. strainer. 0425 retarded Clocks (20 min) 0500 held Casualty drill B-3 loss of feed Pump Suction. Watch inst. Bridge notified. Added 2 gal oil to #1 feed Pump. Checked S.E. room. Pumped bilges & Cargo holes.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH

Underway Steaming on 18 Nozz. 0800 to 0830 flew tubes #1 & 2 Boilers, 0915 to 0940 pumped 7o Settlers from #2 P & S DB. Stripped #3 S DB Cleaned & Changed top burners #1 & 2 Boilers. Cleaned & Shifted 7o Disch strainers P & S, Cleaned & Shifted L.O. Strainers #1 & 2 Generators. 0940 to 1000 Held Eng Casualty Drill B3 4 men present Bridge Notified Made Round & Insp of Mach & Eng Spaces. @ 1000 put steam on #4 D.B. P & S 7o Tanks. add 3 gals L.O. to #1 Feed pump.

@ 1120 Stby B & O.B. @ 1128 H

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1274	HOURS 1099
AKL 8.63	AKL 11.10
T-AKL 13.43	T-AKL 1518
SAL. 3.73	SAL. 3.73
PHOS. 50	PHOS. 50
R.ph 10	R.ph 10.

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE TAP-110	7-H	NSC OAKLAND CALIF	OKINAWA	P2-S2-R2	1-19-20-67

		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)	2033 3230	2035 6590	2037 9740	2040 3300	2042 6360	2044 9480
	TOTAL REVOLUTIONS (FOR WATCH)	23360	23360	23150	23560	23060	23120
	AVERAGE RPM	97.1	97.3	96.5	98.1	96.0	96.3
	F.O. METER (END OF WATCH)	1069 5580	1069 8470	1070 1320	1070 4190	1070 7070	1070 9870
	F.O. CONSUMED	2980	2890	2850	2870	2880	2800
MACHINERY PARTICULARS – PRESSURES	THROTTLE	435	430	440	435	435	440
	H.P. AHEAD	435	430	440	435	435	440
	L.P. AHEAD	26	26	26	26	25	25
	VACUUM	28.6"	28.5	28.5	28.6"	28.7"	28.6
	L.O. TO TURBINES	12	12	12	12	12	12
	AUX. STEAM	140	140	140	140	140	140
	BACK PRESSURE	9	9	9	9	9	9
	GLAND STEAM	2.0	2.0	1.0	1.0	1.0	1.0
	H.P. BLEEDER	72	74	70	72		71
	I.P. BLEEDER	6	6	6	6	6	6
	L.P. BLEEDER	9"	9"	9	9"	9"	9
MACHINERY PARTICULARS – TEMPERATURES	STEAM AT THROTTLE	675	715	675	680	700	685
	L.P. EXHAUST	109	105	105	105	105	105
	CONDENSATE	98	96	98	98	98	98
	CIRC. WATER IN	72	74	73	73	72	73
	CIRC. WATER OUT	84	84	86	85	84	86
	L.O. TO COOLERS	126	130	126	126	130	126
	L.O. FROM COOLERS	109	112	108	108	112	108
	TEMPERATURE THRUST BEARING	118	120	120	118	123	120
	FORWARD H.P. ROTOR BEARING	122	125	125	120	125	125

		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	135	140	135	135	140	135
	FORWARD L. P. ROTOR BEARING	132	135	135	132	134	130
	AFT. L.P. ROTOR BEARING	131	130	130	130	130	130
	HOTTEST GEAR BEARING FORWARD	150	155	150	154	155	155
	HOTTEST GEAR BEARING AFT	146	150	148	145	150	150
	AUX. COND. CONDENSATE	100/112		112/110	105/112		110/110
	1ST STAGE FEED WATER HEATER	154	156	156	156	158	156
	D. C. FEED WATER HEATER	240	240	238	238	240	240
	~~3RD STAGE FEED WATER HEATER~~ HP	150	—	—	—		
	~~4TH STAGE FEED WATER HEATER~~ LP	100					
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS P/S	215/215	195/215	200/200	200/200	210/205	210
	F. O. BACK PRESSURE P/S	10/10	11/15	15/16	12/12	14/14	14
	AIR TO FURNACE P/S	6.4/6.8	6.6/8.0	5.8/5.8	6.0/6.0	6.2/7.0	5.8/6.0
	~~SOOT BLOWER~~ UPTAKE	.41	.41	.41	.41	.41	.41
	MAIN STEAM	440	430	440	435	435	440
BOILER PARTICULARS – PRESSURES	SUPER HEAT	625	715	675	680	700	685
	F.O. TO BURNERS P/S	190/190	195/190	190/190	190/190	185/185	190/190
	F.O. TEMP. IN SETTLING TANKS P/S	92/95	90/110	90/100	85/100	90/100	100/105
	PORT BOILER UPTAKE	350	345	345	345	355	325
	STBD. BOILER UPTAKE	355	340	340	350	355	330
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	82	82	80	81	80	82
	FIRE ROOM TEMPERATURE	82	82	80	81	80	82
	NOZZLES IN USE	18	18	18	18	18	18
	NO. OF BURNERS IN USE	6	6	6	6	6	6
	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
	CO_2 % PORT BOILER					13¼	
	CO_2 % STBD. BOILER					13¾	
	OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	435	675	9	120	110		62	1400	1400	235
	2	1200	435	675	7	134	122		60	1350	1300	235
1600 TO 2000	1	1200	430	715	9	120	110		62	1350	1350	235
	2	1200	430	715	7	13	122		60	1350	1450	235
2000 TO 2400	1	1200	440	695	9	120	110		61	1400	1400	235
	2	1200	440	695	7	134	122		60	1250	1150	235
2400 TO 0400	1	1200	435	680	9	120	110		62	1200	1200	235
	2	1200	435	680	7	134	120		60	1300	1250	235
0400 TO 0800	1	1200	435	700	9	120	110		61	1400	1400	235
	2	1200	435	700	7	136	122		60	1350	1450	235
0800 TO 1200	1	1200	440	685	9	120	110		62	1350	1350	235
	2	1200	440	685	7	134	120		60	1200	1250	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1070 9870	BOILER WATER – ON HAND AT START OF DAY	353
	METER PREVIOUS NOON	1069 2600	EVAPORATED OR RECEIVED	43
	CONSUMED BY METER	17270	ON HAND	357
	ON HAND AT START OF DAY	12,878	CONSUMED	33
	RECEIVED DURING DAY	-0-	LUBE OIL – ON HAND AT START OF DAY	2670
	EXPENDED DURING DAY	703	RECEIVED	-0-
	REMAINING ON BOARD	12,175	ON HAND	2660
DOMESTIC WATER	ON HAND AT START OF DAY	809	CONSUMED	10
	EVAPORATED OR RECEIVED	86	DIESEL OIL	1395
	ON HAND	786	ON HAND	1393
	CONSUMED	199	CONSUMED	2

LOW PRESS.	EVAPORATORS	(No. of hrs. operated)		(Fresh water made gals.)	
4	4	4	4	4	4

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	1440	PERCENT OF SLIP	Pos. 13.1
DETENTION TIME	-0-	BBL FUEL/MI	1.58 1.37
TOTAL REVOLUTIONS	137170	WIND DIRECTION	260°
AVERAGE R.P.M.	95.3	STATE OF SEA	8' SWELL
TOTAL MILES BY ENGINE	511	STATE OF WEATHER	64°
TOTAL MILES BY OBSERVATION			

FROM 4064 to EO-1836

REMARKS

1200-1600 WATCH
UNderWAY ON 18 NOZZ MACH INOPERATION 1&2 Boilers 1&2 F.D. Blowers. 1&2 F.O. PMPS. 1&2 MN. FD. PMPS. Stby Floating MAIN AIR Ejector. MN. CIRC & Cond. PMP. L.O. Purifier. L.O. PMP. A.C. UNit. 1&2 AUX GENERATORS. AUX AIR Ejector. CIRC & Cond. PMPS ~~Over~~ to MAIN. FIRE & SAN PMP. Port Steering GEAR. Tested OVERSPEED TRIP. LOW L.O. ALARM ON MN TURBINE THROT. Pumped Bilges. Fire drill @ 1400 Sec. @ 1412 Boat drill @ 1415 Sec. @ 1427. Stby Guide ~~LH~~ @ 1427. Checked Steering FR. GEAR. Shifted F.O. Suct to Port and Sch @ 1525. Add 2 Gals L.O. ea to 1&2 MN. FD. PMPS.

WATCH ENGR'S SIGNATURE- Geryl Bunney

1600-2000 WATCH
Steaming as before. blew tubes from 1557 To 1633 on #1+2 boilers 1723 Cruising Condition set. Closed W/T Doors. Changed bottom burner in #1+2 boilers. shifted and Cleaned F.O. disch. strainer to #1+2 boilers. Checked all operating Mach. inspected S.E. room. Pumped bilges & Cargo holds.

WATCH ENGR'S SIGNATURE- HM Jones

2000-2400 WATCH
Underway, Steaming on 18 Nozz, Cleaned & Changed Top burners in #1+2 Boilers Cleaned & Shifted F.O. Disch Strainers, 2030 to 2100 Pumped F.O. Settlers from #2 P+S D.B. Cleaned & Shift L.O. Strainers #1+2 Generators.
Made Rounds & Insp of Mach & Eng spaces.
added 3 gals L.O. to #1 Fwd pump.

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH
UNderWAY ON 18 NOZZ MACH AS Before. Changed & Cleaned Center F.O. Burners & P/S disch. STRAINER. DAILY test of Stby L.O. PUMP FOR 1-hr INspected & CLEANED MAIN L.O. disch STRAINER PUMPED BILges. Checked Steering FR GEAR. Added 3 GALS L.O. to #1 MN FEED PUMP & 2 GALS #2. MADE ROUTINE INSPECTIONS OF MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Bunney

0400-0800 WATCH
Steaming as before. Changed bottom burner in #1+2 boilers. shifted and Cleaned F.O. Disch. strainer to #1+2 boilers. shifted Main L.O. strainer. shifted and Cleaned F.O. Suction strainer @ 0600 shifted to outboard settler. shifted Main L.O. Strainer. Pumped bilges and Cargo holds. Checked S.E. room. 0745 - Cruising Condt. Modified.

WATCH ENGR'S SIGNATURE- HM Jones

0800-1200 WATCH
Underway, Steaming on 18 Nozz, Cleaned & Changed T. Burners #1+2 Boilers, clean & Shift F.O. Disch Strainers P+S, Cleaned & Shifted L.O. Strainers on #1+2 Generators, 0930 to 1000 pump settlers from #2 P+S, 1000 Shift to Suction for Transfer to #4 P+S D.B. Took Drag on #6 P+S To Tanks @ 0930; Took drag on #4 @ 0900 0800 to 0840 Blew tubes on #1+2 Boilers, Made Rounds and Inspections of Mach + Eng spaces. Added 1½ gals L.O. to #1 Fwd pump

WATCH ENGR'S SIGNATURE- R Summers.

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	1298	HOURS	1123
AKL	959	AKL	954
T-AKL	1168	T-AKL	1343
SAL.	4.97	SAL.	4.14
PHOS.	45	PHOS.	50
R.ph	10	R.ph	55

CHIEF ENGR'S SIGNATURE- Smith

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	24	NSC Oakland Calif	Okinawa	P2-S2-R2	1-20-21-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2047 2630	2049 5860	2054 0660	2054 5920	2057 1270	2059 4760
TOTAL REVOLUTIONS (FOR WATCH)	23150	23230	24800	25260	25350	22990
AVERAGE RPM	96.4	96.7	95.4	97.1	97.5	95.4
F.O. METER (END OF WATCH)	1071 2790	1071 5620	1071 8630	1072 1720	1072 4770	1072 7480
F.O. CONSUMED	2920	2830	3010	3070	3050	2710
MACHINERY PARTICULARS — PRESSURES — THROTTLE	435	435	440	440	430	440
H.P. AHEAD	435	435	440	440	430	440
L.P. AHEAD	25	25	26	26	25	21
VACUUM	28.6"	28.7"	28.6	28.6	28.7"	28
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	140	140	140	140	135	145
BACK PRESSURE	9	9	9	9	8	9
GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER	72	72	64	68	52	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	11"	9"	9	10	9"	10"
TEMPERATURES — STEAM AT THROTTLE	695	710	675	680	700	700
L.P. EXHAUST	107	105	105	106	105	103
CONDENSATE	99	96	98	99	95	94
CIRC. WATER IN	73	72	74	74	70	71
CIRC. WATER OUT	86	86	86	86	84	82
L.O. TO COOLERS	128	127	126	126	127	126
L.O. FROM COOLERS	109	108	108	108	108	108
TEMPERATURE THRUST BEARING	118	115	118	118	118	118
FORWARD H.P. ROTOR BEARING	125	120	125	122	123	123

	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	137	135	138	136	138	138
FORWARD L. P. ROTOR BEARING	132	130	130	130	133	130
AFT. L.P. ROTOR BEARING	130	130	130	130	130	128
HOTTEST GEAR BEARING FORWARD	154	155	155	154	153	155
HOTTEST GEAR BEARING AFT	146	145	148	145	148	148
AUX. COND. CONDENSATE	110/105		110/110	110/106		105
1ST STAGE FEED WATER HEATER	158	156	158	158	156	154
D. C. FEED WATER HEATER	240	240	238	238	238	238
~~300 STAGE FEED WATER HEATER~~ HP/LP	256/100	—	—	—		
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P/S	210/210	220/190	220/200	215/200		200/200
F. O. BACK PRESSURE P/S	9/9	15/15	15/15	12/12		12/12
AIR TO FURNACE P/S	6.0/6.0	6.0/7.0	5.6/6.0	5.0/5.0		4.8/4.8
SOLINITY UPTAKE	.41	.41	.41	.41	.41	.41
MAIN STEAM	440	435	440	440	430	440
PRESSURES — SUPER HEAT	695	710	675	680	700	700
F.O. TO BURNERS P/S	190/190	185/195	190/190	190/190		190/190
F.O. TEMP. IN SETTLING TANKS P/S	105/105	100/100	95/100	95/100	93/100	110/95
PORT BOILER UPTAKE	350	340	335	335	340	355
STBD. BOILER UPTAKE	350	335	330	335	345	320
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	82	82	82	81	80	82
FIRE ROOM TEMPERATURE	82	82	82	81	80	82
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					13	
CO_2 % STBD. BOILER					13	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	435	695	9	120	110		62	1300	1300	235
	2	1200	435	695	7	134	122		60	1400	1350	235
1600 TO 2000	1	1200	435	710	9	120	110		61	1200	1200	235
	2	1200	435	710	7	134	122		60	1500	1600	235
2000 TO 2400	1	1200	440	675	9	120	110		61	1150	1150	235
	2	1200	440	675	7	134	122		60	1450	1400	235
2400 TO 0400	1	1200	440	680	9	120	118		61	1200	1200	235
	2	1200	440	680	7	134	122		60	1300	1250	235
0400 TO 0800	1	1200	430	700	9	120	110		61	1650	1650	235
	2	1200	430	700	7	134	122		60	1500	1450	235
0800 TO 1200	1	1200	440	700	9	120	110		61	1100	1100	235
	2	1200	440	700	7	134	120		60	1100	1100	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10722480
	METER PREVIOUS NOON	10709870
	CONSUMED BY METER	12,610
	ON HAND AT START OF DAY	12,175
	RECEIVED DURING DAY	-0-
	EXPENDED DURING DAY	729
	REMAINING ON BOARD	11,446
DOMESTIC WATER	ON HAND AT START OF DAY	786
	EVAPORATED OR RECEIVED	219
	ON HAND	800
	CONSUMED	205

BOILER WATER	ON HAND AT START OF DAY	347
	EVAPORATED OR RECEIVED	14
	ON HAND	333
	CONSUMED	38
LUBE OIL	ON HAND AT START OF DAY	2660
	RECEIVED	-0-
	ON HAND	2650
	CONSUMED	10
DIESEL OIL		1395
ON HAND		1393
CONSUMED		2

LOW PRESS.	EVAPORATORS	(No. of hrs. operated)(Fresh water made gals.)			
4	4	1 2 4 1/3	4 1/3	4 1/3	4

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 1/3	3 50 min	4 1/3	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP (POS)	13.4
DETENTION TIME	-0-	BBL FUEL/MI	1.37 1.60
TOTAL REVOLUTIONS (AVG)	142380	WIND DIRECTION	300°
AVERAGE R.P.M.	94.9	STATE OF SEA	8 SWELL
TOTAL MILES BY ENGINE	531	STATE OF WEATHER	64°
TOTAL MILES BY OBSERVATION	457		

FROM - 4521 TO EO - 1379

REMARKS

1200-1600 WATCH

UNderWAY ON 12 NO22 MACH INOPERATION 1&2 BOILERS 1&2 F.D. BLOWERS 1&2 F.O. PMPS. 1&2 MAIN F.O. PMPS. Stby FLOATING. MAIN AIR EJECTOR. MN CIRC & COND. PMPS. MN AIR COMPRESSOR. L.O.S. PMP. L.O. PURIFIER. 1&2 AUX GENERATORS. AUX AIR EJECTOR CIRC & COND PMPS. X OVER to MAIN AC. UNIT. F.W. SAN PMP. PORT STEERING GEAR. Tested OVERSPEED TRIP LOW L.O. ALARM ON MN TURBINE & THROTT. STEERING CASUALTY drill @ 1344 Sec @ 1354 Stby @ 1347 HH @ 1359 Pumped Bilges. Shifted F.O. Suct to port INBd SETH @ 1350 Added 2 GALS L.O. to #1 MN Feed PMP. Made ROUTINE INSPECTIONS of MACH & ENGS SPACES.

WATCH ENGR'S SIGNATURE- George Barnes

1600-2000 WATCH

Steaming as before on 18 NOZZ. 1600 to 1620 blew tubes on #1 & 2 boilers. 1610 Steering Casualty drill 1612 stby 1624 HH. 1625 secured steering Casualty drills. Changed bottom burner in #1 & 2 boilers. shifted and Cleaned F.O. disch. strainers to #1 & 2 boilers. Checked all operating mach. and S.E. Room. 1755 Cruising Condition set. W.T. doors Closed from Bridge. Added 3 gal. oil to #1 feed Pump. Pumped bilges.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH

Underway, Steaming on 18 Nozz, Cleaned & Changed Top Burners in #1 & 2 Boilers, Clean & Shift L.O. Strainers #1 & 2 Generator. 2000 to 2200 pumped F.O. Settlers from #4 & D.B. @ 2300 Retard Ships clock 20 min. Made Rounds & Insp of Mach & Eng spaces. added 2 gal L.O. to #1 Feed pump.

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH

UNderWAY ON 18 NOZZ. MACH AIR Bypass. Changed & Cleaned Center F.O. BURNERS AND P/S disch STRAINERS. Secured L.O. PURIFIER @ 0000 INSPected & Cleaned BACK IN SERVICE @ 0030 Retarded Clocks 20 MINS @ 0100. DAILY test of Stby L.O. PUMP FOR 1-hr. INSPected & CLEANED MAIN L.O. disch STRAINERS. Checked STEERING EMR. GEAR. PUMPed BILGES. Made ROUTINE INSPECTIONS of MACH & ENG'S SPACES. Added 2 GALS L.O. to #1 MN FEED PMP & 1-to #2.

WATCH ENGR'S SIGNATURE- George Barnes

0400-0800 WATCH

Steaming as before on 18 Nozz. 0500 retarded Clocks (20 min) Changed bottom burner in #1 & 2 boilers. shifted & Cleaned F.O. disch. strainer to #1 & 2 boilers. shifted and Cleaned F.O. suct. strainer. shifted & Cleaned Main L.O. strainer. Gave #1 & 2 boilers a bottom blow through Cont Evap. 30 sec. to Each boiler. S.E. room Checked. by Jr. Eng. 0645 shifted settlers. added 2 Gal. oil to #1 feed Pump. Pumped up replenishing tank to Port Serv. 0630 W.T. doors opened. modified Cont. Cleaning.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH

Underway, Steaming on 18 Nozz, 0800 to 0830 Blew tubes on #1 & 2 Boilers, 0830 to 0930 pumped settlers from #4-S-DB & #4 & DB, 0930 Secured air Cond unit, Cleaned top burners on #1 & 2 Boiler, add 3 gal L.O. to #1 Feed pump. Made Rounds & Insp of Mach & Eng Spaces, Had Bilge pump on Cargo Holds 3½ hrs.

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
HOURS	1322	HOURS	1147
AKL	642	AKL	1051
T-AKL	1051	T-AKL	1460
S'L.	580	S'L.	539
PHOS.	50	PHOS.	50
R.ph	16	R.ph	10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN JOHN POPE THP-110	7-H	NSC OAKLAND CALIF	OKINAWA	P2-S2-R2	1-21-22-67

	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)	2061 7120	2064 0290	2066 2990	2068 6490	2070 9890	2073 3490
TOTAL REVOLUTIONS (FOR WATCH)	22860	23170	22700	23500	23400	23500
AVERAGE RPM	95.2	96.5	94.6	97.9	97.5	98.1
F.O. METER (END OF WATCH)	1073 0210	1073 2890	1073 5490	1073 8180	1074 0800	1074 3430
F.O. CONSUMED	2730	2680	2600	2690	2620	2630
MACHINERY PARTICULARS — PRESSURES — THROTTLE	435	440	440	440	440	440
H.P. AHEAD	435	440	440	440	440	440
L.P. AHEAD	21	22	22	22	22	22
VACUUM	28.8	28.5	28.6	28.6	28.7"	25.5
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	145	145	145	145	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER	70	54	76	70	72	70
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10	9	9	10	9"	9"
TEMPERATURES — STEAM AT THROTTLE	690	700	685	700	695	695
L.P. EXHAUST	104	104	105	104	100	102
CONDENSATE	97	96	96	98	94	98
CIRC. WATER IN	72	73	73	70	69	72
CIRC. WATER OUT	84	86	86	86	82	86
L.O. TO COOLERS	126	126	126	126	126	126
L.O. FROM COOLERS	108	108	108	109	108	103
TEMPERATURE THRUST BEARING	118	118	118	118	118	115
FORWARD H.P. ROTOR BEARING	120	123	123	121	123	123

	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	135	135	135	135	135	135
FORWARD L. P. ROTOR BEARING	130	130	130	130	130	130
AFT. L.P. ROTOR BEARING	125	128	130	128	128	130
HOTTEST GEAR BEARING FORWARD	154	153	153	154	155	155
HOTTEST GEAR BEARING AFT	145	145	145	145	145	145
AUX. COND. CONDENSATE	108/110		108/110	106/105		105
1ST STAGE FEED WATER HEATER	156	156	156	156	156	156
D. C. FEED WATER HEATER	237	240	238	235	238	240
~~3RD STAGE FEED WATER HEATER~~ H.P. / L.P.	100/100	–	–	–		
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS P/S	200/195	200/200	200/200	195/195	190/190	190/190
F. O. BACK PRESSURE P/S	9/8	9/11	11/11	9/8	10/11	10/10
AIR TO FURNACE P/S	5.0/5.0	5.0/5.0	4.8/4.4	5.0/5.0	5.0/5.0	5.0/5.0
~~UPTAKE~~ SALINITY	.41	.41	.41	.41	.41	.41
MAIN STEAM	440	440	440	440	440	440
PRESSURES — SUPER HEAT	680	700	685	700	695	695
F.O. TO BURNERS P/S	190/190	185/200	190/190	190/190	190/185	190/190
F.O. TEMP. IN SETTLING TANKS P/S	100/95	100/95	95/100	100/100	95/100	95/100
PORT BOILER UPTAKE	350	330	330	335	335	325
STBD. BOILER UPTAKE	325	320	320	325	325	215
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	82	82	81	81	80	82
FIRE ROOM TEMPERATURE	82	82	81	81	80	82
NOZZLES IN USE	18	18	18	18	18	15
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					13%	
CO_2 % STBD. BOILER					13%	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	435	680	9	120	110		62	1200	1200	235
	2	1200	435	680	7	134	120		60	1350	1300	235
1600 TO 2000	1	1200	440	700	9	120	110		61	1150	1150	230
	2	1200	440	700	7	134	120		60	950	1050	230
2000 TO 2400	1	1200	440	685	9	120	110		62	1050	1050	235
	2	1200	440	685	7	134	122		60	1050	950	235
2400 TO 0400	1	1200	440	700	9	120	110		60	1000	950	235
	2	1200	440	700	7	134	120		60	950	950	235
0400 TO 0800	1	1200	440	695	9	128	108		61	1150	1150	235
	2	1200	440	695	7	132	128		60	1150	1200	235
0800 TO 1200	1	1200	440	695	9	120	110		61	1150	1150	235
	2	1200	440	695	7	132	118		60	1150	1200	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10743430
	METER PREVIOUS NOON	10727480
	CONSUMED BY METER	15950
	ON HAND AT START OF DAY	11,446
	RECEIVED DURING DAY	-0-
	EXPENDED DURING DAY	679
	REMAINING ON BOARD	10,767
DOMESTIC WATER	ON HAND AT START OF DAY	800
	EVAPORATED OR RECEIVED	160
	ON HAND	746
	CONSUMED	214

BOILER WATER	ON HAND AT START OF DAY	333
	EVAPORATED OR RECEIVED	63~~48~~
	ON HAND	348
	CONSUMED	48
LUBE OIL	ON HAND AT START OF DAY	2650
	RECEIVED	-0-
	ON HAND	2640
	CONSUMED	10
	DIESEL OIL	1393
	ON HAND	1390
	CONSUMED	3

LOW PRESS.	EVAPORATORS	(No. of hrs. operated)	(Fresh water made gals.)		
4	4	1 2	4	4	4

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	1440	PERCENT OF SLIP	16.2
DETENTION TIME	-0-	BBL FUEL/MI	1.32
TOTAL REVOLUTIONS A+C	137175	WIND DIRECTION	320°
AVERAGE R.P.M.	95.2	STATE OF SEA	5 SWELL
TOTAL MILES BY ENGINE	511	STATE OF WEATHER	6B°
TOTAL MILES BY OBSERVATION	457		

FROM 4995 to 60-925

REMARKS

1200-1600 WATCH

UNderway on 18 No 22 Mach Inoperation 1&2 Boilers 1&2 F.D. Blowers 1&2 F.O. pmps. 1&2 MN.F.O pmps. Main A.R. Ejector. MN. C.R.C & Cond pmps L.O. purifier L.O.S. PUMP. Main A.R. Compressor. E.R. & S.W. pmp Port Steering Gear. 1&2 Aux Generators. Aux A.R. ejector C.R.C & Cond pmps X over to Main. Tested overspeed trip L.O. L.O. ALARM on MN Turbine & Thrust. Changed & Cleaned center F.O. burners. & P/S disch strainers. Pumped Bilges. Checked Steering E.R. Gear. added 2 Gals. L.O. to #1 MN.F.R. pump Made Routine Rounds on Mach & Engs Spaces.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH

Steaming as before on 18 Nogg. 1555 to 1615 blew tubes on #1&2 boilers. Changed & Cleaned bottom burner in #1&2 boilers. 1730 W/T door, Closed by Bridge, Cruising Cond. Set. Checked All operating mach. and outside spaces. Pumped Bilges. shifted F.O. disch. strainer to #1&2 boilers. added 2 Gal. oil to #1 feed Pump. 1900 shifted to outboard settler.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH

Underway, Steaming 18 Nogg, 2010 to 2045 pumped F.O. Settlers from #4 & #4 Stbd DB, cleaned & Changed Top burners #1&2 Boilers, Cleaned and shifted F.O. Disch. strainers port & Stbd, Cleaned & Shift L.O. Strainers on #1&2 Gen. Made Rounds & Insp of mach & Eng spaces.

Added 2 gals L.O. to #1 feed pump.

WATCH ENGR'S SIGNATURE- R Summers.

2400-0400 WATCH

UNderway on 18 No 22 Mach as Before. Changed & Cleaned Center F.O. burners P/S disch strainers. Daily test of Stby L.O. pump for 1-hr. Inspected & Cleaned Main L.O. disch strainer. Bridge Reported F.O. Coming out of vent At F.R. 1-130-2 Took a drag on 5. 6. 7 Port Tks. Chief Engr. Notified @ 0150. Called out two wipers to CLEAN UP SAME. @0200 P/S P/S added 2 GALS L.O. to #1 MN Feed PUMP Checked Steering E.R. Gear. Pumped Bilges. Shifted F.O. Suct to Port Stbd Sett @0330 Made Rounds on Mach & Engs Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH

Steaming as before on 18 Nogg. Changed bottom burner in #1&2 boilers. shifted & Cleaned F.O. Suct. and disch. strainers to #1&2 boilers. Shifted & Cleaned Main L.O. strainer. Compounded #1&2 boilers with 9 M.S and 5 M.S. Checked S.E. room, Pumped bilges & Cargo holes. Added (1) gal oil to #1 feed Pump. 0705 set modified Cruising Cond. Bridge opened W.T. door.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH

Underway, Steaming on 18 Nogg, 0800 to 0830 blew tubes on #1&2 Boilers. Cleaned & Changed top burners, Clean & Shift F.O. Disch Strainers P&S. @ 1000 to 1100 pumped F.O. settlers from #4 & D.B. Cleaned & shifted #1&2 Gen L.O. Strainers. added 2 gal L.O. to #1 feed pump.
Made Rounds & Insp of mach & Engine spaces.

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

Cannot get a suction on the Cargo holds with Bilge pump

BOILER WATER READINGS

STB'D	PORT
HOURS 1346	HOURS 1075
A. 585	L 584
T- 1050	T-AKD 1050
SAL. 3.31	S.L. 3.31
PHOS. 40	PHOS. 40
R.ph 10	R.ph 10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	7-A	NSC Oakland Calif	Okinawa	P2-S2-R2	1-22-23-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2075 6850	2078 0430	2080 5890	2083 1610	2085 6910	2088 6430
TOTAL REVOLUTIONS (FOR WATCH)	23410	23580	25460	25720	25300	23520
AVERAGE RPM	97.5	98.2	97.9	98.9	97.0	98.0
F.O. METER (END OF WATCH)	1014 6120	1074 8770	1075 1630	1075 4500	1075 7340	1075 9900
F.O. CONSUMED	2690	2650	2860	2870	2840	2560
MACHINERY PARTICULARS – PRESSURES – THROTTLE	435	440	440	440	435	440
H.P. AHEAD	430	440	440	440	435	440
L.P. AHEAD	21	22	22	22	22	22
VACUUM	28.7"	28.7"	28.5	28.7"	28.7"	28.7
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	145	140	140	145	145	145
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.0	1.0	1.0	1.0	1.0	1.0
H.P. BLEEDER	72	72	70	72	56	63
I.P. BLEEDER	6	6	6	6	6	6
L.P. BLEEDER	10	9"	9"	10"	9"	9
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	685	695	700	700	695	690
L.P. EXHAUST	104	105	102	100	101	102
CONDENSATE	98	100	96	96	96	96
CIRC. WATER IN	73	77	71	71	72	71
CIRC. WATER OUT	84	89	84	84	84	84
L.O. TO COOLERS	127	127	126	127	127	126
L.O. FROM COOLERS	109	108	108	109	108	108
TEMPERATURE THRUST BEARING	116	120	118	118	118	118
FORWARD H.P. ROTOR BEARING	122	123	123	122	123	125

	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	136	138	135	135	135	135
FORWARD L. P. ROTOR BEARING	132	133	130	133	133	130
AFT. L.P. ROTOR BEARING	128	130	130	130	130	128
HOTTEST GEAR BEARING FORWARD	154	155	155	157	160	158
HOTTEST GEAR BEARING AFT	146	145	145	145	145	145
AUX. CONO. CONDENSATE	105/100		104/102	103/105		106/105
1ST STAGE FEED WATER HEATER	156	160	156	155	158	156
D. C. FEED WATER HEATER	240	238	238	240	238	240
~~3RD STAGE FEED WATER HEATER~~ H.P. / L.P.	150/155	—	—	—		
BOILER PARTICULARS – PRESSURES – F.O. TO BURNERS P/S	195/185	200/190	190/190	190/185	200/180	200/190
F. O. BACK PRESSURE P/S	10/10	10/10	10/10	10/10	10/11	11/12
AIR TO FURNACE P/S	4.2/4.2	5.0/4.0	5.0/5.0	5.0/5.0	5.0/4.4	4.4/4.4
~~BOILER~~ UPTAKE	.41	.41	.41	.41	.41	.41
MAIN STEAM	435	440	440	440	435	440
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	685	695	700	700	695	690
F.O. TO BURNERS P/S	190/190	185/190	190/190	190/190	195/190	190/190
F.O. TEMP. IN SETTLING TANKS P/S	95/100	95/100	95/100	95/100	95/105	110/120
PORT BOILER UPTAKE	330	320	325	332	330	320
STBD. BOILER UPTAKE	320	315	320	330	330	315
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	82	82	80	81	80	82
FIRE ROOM TEMPERATURE	82	82	80	81	80	82
NOZZLES IN USE	18	18	18	18	18	18
NO. OF BURNERS IN USE	6	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					12 3/4	
CO_2 % STBD. BOILER					13 1/4	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	430	685	9	120	110		62	1050	1050	235
	2	1200	430	685	7	134	120		60	1150	1100	235
1600 TO 2000	1	1200	440	695	9	120	110		61	1000	1000	235
	2	1200	440	695	7	136	120		60	1150	1200	235
2000 TO 2400	1	1200	440	700	9	132	118		61	1100	1100	235
	2	1200	440	700	7	120	110		60	1000	900	235
2400 TO 0400	1	1200	440	700	9	118	109		61	1000	1000	235
	2	1200	440	700	7	132	118		60	1050	1000	235
0400 TO 0800	1	1200	435	695	9	120	110		61	1100	1100	235
	2	1200	435	695	7	132	118		60	950	1000	235
0800 TO 1200	1	1200	440	690	9	120	110		62	1000	1000	235
	2	1200	440	690	7	132	118		60	1150	1050	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	10755900	BOILER WATER	ON HAND AT START OF DAY	348
	METER PREVIOUS NOON	10743430		EVAPORATED OR RECEIVED	49
	CONSUMED BY METER	11470		ON HAND	358
	ON HAND AT START OF DAY	10,767		CONSUMED	39
	RECEIVED DURING DAY	-0-	LUBE OIL	ON HAND AT START OF DAY	2640
	EXPENDED DURING DAY	702		RECEIVED	-0-
	REMAINING ON BOARD	10065		ON HAND	2630
DOMESTIC WATER	ON HAND AT START OF DAY	746		CONSUMED	10
	EVAPORATED OR RECEIVED	181	DIESEL OIL		1390
	ON HAND	665	ON HAND		1387
	CONSUMED	262	CONSUMED		3

LOW PRESS.	EVAPORATORS	(No. of hrs.	operated)	(Fresh water made gals.)	
4	4	4 1/3	4 1/3	4 1/3	4

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 1/3	4 1/3	4 1/3	4

SUMMARY

RUNNING TIME	1500	PERCENT OF SLIP	POS. 10.9
DETENTION TIME	-0-	BBL FUEL/MI	1.30 / 1.46
TOTAL REVOLUTIONS	144725	WIND DIRECTION	310
AVERAGE R.P.M.	96.4	STATE OF SEA	4' swell
TOTAL MILES BY ENGINE	540	STATE OF WEATHER	68°
TOTAL MILES BY OBSERVATION	481		

FROM 5456 TO GO-434

REMARKS

1200-1600 WATCH

Underway on 18 No 22 Mach Inspection 1+2 Boilers 1+2 Fd. Blowers 1+2 Fed. Pmps. 1+2 Mn. Fd. Pumps. Mn. Air Ejector. Mn. Circ + Cond Pmps. Mn. Air Compressor. L.O. Pump. L.O. Purifier. Fire + Snd Pump. 1+2 Aux Generators. Aux Air Ejector. Circ + Cond Pmps O'ver to Main. Perf Steering Gear. Tested overspeed trip L.O. low L.O. alarm on Mn Turbine and throttle pumped Bilges. Checked Steering E.R. Gear. Shifted F.O. Suct to port outbd settling Called Chief Elect to check Lights in troop Compt 3-7 Bio Chief Engr @ 1330 added 2 Gals L.O. to #2 Mn Feed pmp.

WATCH ENGR'S SIGNATURE- George Bunney

1600-2000 WATCH

Steaming as before on 18 No 22. 1555 To 1615 blew tubes on #1+2 boilers. Changed bottom burners in #1+2 boilers. Shifted + Cleaned F.O. disch. Strainer to #1+2 boilers. 1807 set Cruising Cond. Closed W.T. Doors. Pumped bilges.

WATCH ENGR'S SIGNATURE- Thos Jones

2000-2400 WATCH

Underway, Steaming on 18 No 22. Cleaned + Changed Top Burners #1+2 Boilers, Cleaned + Shift F.O. Disch Strainers P+S, Cleaned + Shift L.O. Strainers on #1+2 Turbo Generators, 2030 to 2130 pumped L.O. Settlers from #4 & D.B. + #5 DB Port. Added 1 gal L.O. to #1 Main Fuel pump, Retarded ships clock 20 Min @ 2300 Made Rounds + Insp of Mach + Eng spaces.

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH

Underway on 18 No 22 Mach as before. Changed + Cleaned Center F.O. Burners and P/S disch strainer. Retarded Clocks 20 Mins @ 0100 Daily test of Stby L.O. pump for 1-hr. Inspected + Cleaned Main L.O. disch strainers. Held Engr Casualty drill B-4 Low Water in Boiler Watch Inst. + Bridge Notified 0100-0130 Pumped Bilges. Checked Steering E.R. Gear. Added 2 Gals L.O. 1 Mn. F.O. Pump. Made Routine Rounds on Mach. + Engs Spaces.

WATCH ENGR'S SIGNATURE- George Bunney

0400-0800 WATCH

Steaming as before on 18 No 22. Changed bottom burners on #1+2 boilers, shifted + Cleaned F.O. disch and suct strainers to #1+2 boilers. 0400 retarded Clocks (20 min) 0500 to 0530 held Casualty drill B-4 Low WATER IN BOILER. watch inst. Bridge notified. Checked all operating mach. + outside spaces. 0639 modified Cruising Cond. W.T. doors opened by bridge. Added 2 gal oil to #1 fuel Pump. Pumped bilges + Cargo holds.

WATCH ENGR'S SIGNATURE- Thos Jones

0800-1200 WATCH

Underway, Steaming on 18 No 22. Cleaned + Changed top burners on #1+2 Boilers Clean + Shift F.O. Disch Strainers P+S. Seamed L.O. purifier from 0820 to 0845 for Electrical Repairs, Pumped Settlers from #5 P.DB. 0845 to 0930, 0930 to 1000 Held Eng Casualty Drill B-4, Engr present, Bridge Notified, Steering Casualty Drill 1018 to 1022, 1018 Stby, 1027 H, added 2 gals L.O. to #1 fuel pump, Made Rounds + Insp of Mach + Eng spaces.

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D		PORT	
E	5~~7.57~~	HOURS	1099
E.	959	AKL	9.93
T-	1168	T-AKL	163.5
S L.	3.31	S L.	3.31
P	.52	PHOS.	.50
R.ph	10	R.ph	10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	7-H	NSC Oakland Calif	Okinawa	P2-S2-R2	1-23-24-67

	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	150
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2090 4130	2092 7820	2095 1190	2097 2630	2099 3590	2100 6100
TOTAL REVOLUTIONS (FOR WATCH)	23700	23690	23370	21540	20960	12510
AVERAGE RPM	98.7	98.7	97.4	89.7	85.6	83.2
F.O. METER (END OF WATCH)	1072 2580	1076 5220	1076 7790	1075 9970	1077 2060	1077 3910
F.O. CONSUMED	2680	2640	2570	2180	2090	1850
MACHINERY PARTICULARS – PRESSURES – THROTTLE	440	440	440	435	440	
H.P. AHEAD	440	440	440	435	440	
L.P. AHEAD	21	22	21	11	10	Maneuvering
VACUUM	28.7"	28.7	28.7	28.8"	28.7"	
L.O. TO TURBINES	12	12	12	12	12	
AUX. STEAM	145	150	150	145	140	
BACK PRESSURE	9	9	9	9	9	
GLAND STEAM	1.0	1.0	1.0	2.0	2.0	Maneuvering
H.P. BLEEDER	76	66	72	55	50	
I.P. BLEEDER	6"	6	6	6	6	
L.P. BLEEDER	10"	10"	10"	10"	15	
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE	670	700	700	675	690	
L.P. EXHAUST	101	101	100	100	100	
CONDENSATE	95	96	96	88	88	
CIRC. WATER IN	71	71	72	72	71	
CIRC. WATER OUT	84	84	84	80	80	
L.O. TO COOLERS	125	127	126	124	124	
L.O. FROM COOLERS	108	108	108	109	108	
TEMPERATURE THRUST BEARING	118	118	118	116	118	
FORWARD H.P. ROTOR BEARING	122	125	125	122	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	136	135	135	132	133	
FORWARD L. P. ROTOR BEARING	132	133	130	130	130	
AFT. L.P. ROTOR BEARING	127	130	130	125	125	
HOTTEST GEAR BEARING FORWARD	160	160	158	150	150	
HOTTEST GEAR BEARING AFT	145	145	145	138	138	
AUX. COND. CONDENSATE	104/106		106/105	102/104	–	
1ST STAGE FEED WATER HEATER	156	158	156	148	148	
D. C. FEED WATER HEATER	238	236	240	240	238	
~~3RD STAGE FEED WATER HEATER~~ H.P. / L.P.	150/105	–	–	–		
BOILER PARTICULARS – PRESSURES – F.O. TO BURNERS P/S	195/200	200/190	190/190	185/150	240/240	
F. O. BACK PRESSURE P/S	10/16	16/14	16/11	10/16	16/10	
AIR TO FURNACE P/S	5.0/5.0	5.0/5.0	5.0/4.8	3.0/3.6	5.0/5.0	
~~UPTAKE~~ Smoke	.41	.41	.41	.41	.41	
MAIN STEAM	440	440	440	435	440	Maneuvering
BOILER PARTICULARS – TEMPERATURES – SUPER HEAT	670	700	700	675	690	
F.O. TO BURNERS P/S	190/196	185/185	190/190	190/190	190/190	
F.O. TEMP. IN SETTLING TANKS P/S	105/116	105/110	100/120	105/115	105/115	
PORT BOILER UPTAKE	330	330	330	306	325	
STBD. BOILER UPTAKE	325	320	320	305	325	
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	82	82	79	78	78	Maneuvering
FIRE ROOM TEMPERATURE	82	82	79	78	78	
NOZZLES IN USE	16	18	18	12	12	
NO. OF BURNERS IN USE	6	6	6	6	6	
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	
CO_2 % PORT BOILER					13 3/4%	
CO_2 % STBD. BOILER					13%	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	

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	1	1200	440	670	9	120	110		62	1000	1000	235
	2	1200	440	670	7	133	119		60	1150	1100	235
1600 TO 2000	1	1200	440	700	9	120	110		61	1000	1000	235
	2	1200	440	700	7	132	118		60	1100	1200	235
2000 TO 2400	1	1200	440	700	9	120	110		61	1100	1100	235
	2	1200	440	700	7	132	118		60	1100	1000	235
2400 TO 0400	1	1200	435	675	9	118	109		61	900	901	235
	2	1200	435	675	7	132	116		60	1000	1000	235
0400 TO 0800	1	1200	440	690	9	118	108		61	1050	1050	235
	2	1200	440	690	7	132	116		60	1100	1150	235
0800 TO 1200					Various							

FUEL - WATER AND LUBE OIL

FUEL OIL – METER AT NOON	1077310	
FUEL OIL – METER PREVIOUS NOON	1075900	
FUEL OIL – CONSUMED BY METER		
FUEL OIL – ON HAND AT START OF DAY	10,065	
FUEL OIL – RECEIVED DURING DAY	-0-	
FUEL OIL – EXPENDED DURING DAY	619	
FUEL OIL – REMAINING ON BOARD	9,446	
DOMESTIC WATER – ON HAND AT START OF DAY	665	
DOMESTIC WATER – EVAPORATED OR RECEIVED	152	
DOMESTIC WATER – ON HAND	592	
DOMESTIC WATER – CONSUMED	225	
BOILER WATER – ON HAND AT START OF DAY	35-8	
BOILER WATER – EVAPORATED OR RECEIVED	44	
BOILER WATER – ON HAND	363	
BOILER WATER – CONSUMED	48	
LUBE OIL – ON HAND AT START OF DAY	2630	
LUBE OIL – RECEIVED	-0-	
LUBE OIL – ON HAND	2620	
LUBE OIL – CONSUMED	10	
DIESEL OIL	1387	
DIESEL OIL – ON HAND	1385	
DIESEL OIL – CONSUMED	2	

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

4 4 4 4 4

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	1350	PERCENT OF SLIP	Pos. 7.1
DETENTION TIME	-0-	BBL FUEL/MI	1.27 1.36
TOTAL REVOLUTIONS	125,310	WIND DIRECTION	
AVERAGE R.P.M.	92.8	STATE OF SEA	
TOTAL MILES BY ENGINE	467	STATE OF WEATHER	
TOTAL MILES BY OBSERVATION	434		

REMARKS

1200-1600 WATCH
UNderway on 18 Nozz Mach as Before. 1+2 Boiler 1+2 F.D. Blowers 1+2 E.G.S. Fans 1+2 MN. F.W. pmps. MN. A.C. Ejector. MN. Circ + Cond pmps. L.O. purifier L.O.S pmp Pressure pmp. Stbd Steering Gear. 1+2 Aux Generators. Aux A.C. Ejector Circ + Cond Pmps over to Mach. MN. Air Compressor. Tested overspeed trip Lev. L.O. on MN turbine + Throttle. Pumped Bilges. Checked Steering E.R. Gear. Added 2 Gal L.O. to #1 MN. Feed Pump. Made Rounds on Mach and Engr Spaces.

WATCH ENGR'S SIGNATURE- George Bunny

1600-2000 WATCH
Steaming as before on 18 Nozz. 1550 to 1615 blew tubes on #1 + 2 boilers. 1740 Cleared W.T.D. Changed bottom burner on #1+2 boilers. Shifted + Cleaned F.O. disch. strainer to #1+2 boilers. Pumped bilges. Shifted to outboard settler.

WATCH ENGR'S SIGNATURE- Jim Jones.

2000-2400 WATCH
Underway, Steaming on 18 Nozz, Cleaned + Changed top Burners #1+2 Boilers Cleaned + Shifted To Disch Strainers P.+S., Clean + shift L.O. Strainers #1+2 Turbs Gen. pumped Settlers 2000 & 2030 from #5 & added 2 gal L.O. to #1 Feed pump Made Rounds + Insp of mach + Eng. spaces

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH
UNderway on 18 Nozz Mach as Before Except Reduced Speed to 70 RPM 12 Nozz B/c Bridge Order. Changed + Cleaned center F.O. Burners. Tk disch Strainers. Daily test of Stby L.O. pump For 1 hr. Inspected + Cleaned MAIN L.O. disch Strainer. Checked Steering E.R. Gear. Pumped Bilges. Added 2 Gal L.O. to 1+2 MN Feed Pumps. Made Routine Rounds on Mach + Engr Spaces.

WATCH ENGR'S SIGNATURE- George Bunny

0400-0800 WATCH
Steaming on 12 Nozz. 0430 shifted to inboard settler. Shifted and Cleaned F.O. disch. strainer to #1+2 boilers. Shifted + Cleaned Main L.O. strainer. Shifted and Cleaned F.O. suction strainer. Checked S.E. room + all operating mach. Pumped bilges + Cargo holds. Added (1) Gal. oil to #1 fuel Pump. #1 Plunger on #1 fuel Pump has to be repacked (looking necessary) 0715 opened W.T. doors. 0729 slowed to 80 RPM. Closed all Cornhole nozzles.

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH
Arriving in port Mooring as per Bell Book, 08-5 power on anchor windlass + lift Capson, 0810 to 0845 Blew tubes on #1+2 Boilers, 0820 to 0830 pumped outboard sett. from #5 & DB, 0915 split plant, put aux in sys in operation. @ 0945 Red Speed to 70 RPM B/B arrival @ 1030, 1st spec Sea O'Tied @ 1030 @ 1027 Close W.T. Doors, add 2 gal L.O. to #1 fuel pump.
Arrival ctr, 21006100 arrival 7 on. P-7068730 S-3104530.

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1394	HOURS 1123
AKL 8.18	AKL 8.78
T-AKL 12.85	T-AKL 15.18
SAL. 2.90	SAL. 3.31
PHOS. .45	PHOS. .50
R.ph 10	R.ph 10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	7-R	AT Okinawa		P2-S2-R2	1-24-25-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	—					174
DETENTION TIME	—					
REVOLUTION COUNTER (END OF WATCH)	—				2024 3000	2102 7140
TOTAL REVOLUTIONS (FOR WATCH)	—					15140
AVERAGE RPM	—					98.0
F.O. METER (END OF WATCH)	1077 4460	1077 4490	1077 5290	1077 5690	1077 6490	1077 8890
F.O. CONSUMED	550	430	400	400	800	2400
MACHINERY PARTICULARS — PRESSURES — THROTTLE	—					440
H.P. AHEAD	—					440
L.P. AHEAD	—					26
VACUUM	25"	25"	25.5	26"	26"	28.4
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	145	145	145	145	145	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	3.5	3	1.0	2.0	3.0	1.0
H.P. BLEEDER	—	—	—		—	62
I.P. BLEEDER	—	—	—	—	—	6
L.P. BLEEDER	—	—	—	—	—	11
TEMPERATURES — STEAM AT THROTTLE	—					680
L.P. EXHAUST	150		141	130	130	103
CONDENSATE	82	80	80	82	82	95
CIRC. WATER IN	73	73	73	72	72	70
CIRC. WATER OUT	75	72	73	76	76	82
L.O. TO COOLERS	108	108	108	101	100	127
L.O. FROM COOLERS	105	105	108	98	98	110
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						135
FORWARD L. P. ROTOR BEARING						130
AFT. L.P. ROTOR BEARING						128
HOTTEST GEAR BEARING FORWARD						158
HOTTEST GEAR BEARING AFT						145
AUX. COND. CONDENSATE			100		—	100/105
1ST STAGE FEED WATER HEATER						156
D. C. FEED WATER HEATER	240	242	240	246	248	240
~~3RD STAGE FEED WATER HEATER~~ HP DEAR 2.0						
BOILER PARTICULARS — TEMPERATURES — F.O. TO BURNERS	160	160	160	160	160	165/165
F. O. BACK PRESSURE	10	10	10	10	10	11/9
AIR TO FURNACE	5.0	5.5	.5	1.5	2.5/2.0	5.4/5.4
~~SECONDARY~~ UPTAKE	141	—	—		—	
MAIN STEAM	450	450	440	440	440	440
SUPER HEAT		—	—	—	—	680
PRESSURES — F.O. TO BURNERS	190	165	175	170	165	210/200
F.O. TEMP. IN SETTLING TANKS	100/90	100/96			98/100	102/103
PORT BOILER UPTAKE	375	315	310			375
STBD. BOILER UPTAKE	—	—	—	—	—	335
MISCELLANEOUS — ENGINE ROOM TEMPERATURE	75	76	74	74	74	80
FIRE ROOM TEMPERATURE	75	76	74	74	74	80
NOZZLES IN USE	—	—	—	—	—	18
NO. OF BURNERS IN USE	1	1	1	1	1	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER		—	—	—	—	
CO_2 % STBD. BOILER		—	—	—	—	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	450	600	9	118	109		62	900	900	235
	2	1200	450	600	7	130	116		60	950	950	235
1600 TO 2000	1	1200	450	—	9	120	110		61	950	950	235
	2	1200	450	—	7	133	119		60	850	850	235
2000 TO 2400	1	1200	440	—	9	118	109		62	900	900	235
	2	1200	440	—	7	128	116		62	850	850	235
2400 TO 0400	1	1200	440		9	118	109		62	700	700	235
	2	1200	440		7	129	116		62	750	750	235
0400 TO 0800	1	1200	440		9	118	109		62	800	800	235
	2	1200	440		7	128	116		60	800	80	235
0800 TO 1200	1	1200	440		9	120	110		62	1100	1100	235
	2	1200	440		7	128	116		60	1150	1050	235

FUEL - WATER AND LUBE OIL

FUEL OIL — METER AT NOON	10778890	
METER PREVIOUS NOON	10773940	
CONSUMED BY METER	4950	
ON HAND AT START OF DAY	9446	
RECEIVED DURING DAY	9800	
EXPENDED DURING DAY	209	
REMAINING ON BOARD	19037	
DOMESTIC WATER — ON HAND AT START OF DAY	592	
EVAPORATED OR RECEIVED	709	
ON HAND	1051	
CONSUMED	250	
BOILER WATER — ON HAND AT START OF DAY	363	
EVAPORATED OR RECEIVED	-0-	
ON HAND	333	
CONSUMED	30	
LUBE OIL — ON HAND AT START OF DAY	2620	
RECEIVED	-0-	
ON HAND	2610	
CONSUMED	10	
DIES L OIL	1385	
ON HAND	1383	
CONSUMED	2	

LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.) 182 4

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	174	PERCENT OF SLIP	Pos. 16.1
DETENTION TIME	-0-	BBL FUEL/MI	1.31 1.55
TOTAL REVOLUTIONS	14880	WIND DIRECTION	000°
AVERAGE R.P.M.	96.7	STATE OF SEA	3' SWELL
TOTAL MILES BY ENGINE	62	STATE OF WEATHER	C4
TOTAL MILES BY OBSERVATION	52		

FROM 52 TO 60-1488

REMARKS

1200-1600 WATCH

Maneuvering Fwd & 115 Ctr 21009126 Fom #1-3704840 #2-7069026. Secured M.S. & B.S. & Engaged Jacking Gear @1207 Bells as per Bell Book. Secured #1 Boiler @1225. Secured 1st Stage on Main Air Ejector. Mach. Inoperation #2 Boiler 2 Fd Blower 2 Fcs. Pmp. Main Aux Air Ejector. Main Circ & Aux Circ Pmp. Main & Aux Cond Pmp. 1 & 2 Aux Generators. L.O. Purifier. L.O. Pmp. Mn Air Compressor. Renewed Fwd Plunger on #1 Mn Feed Pump & Packing. Bilges at Safe Level. Fueling Ship. Made Routine Inspections of Mach & Eng's Spaces.

WATCH ENGR'S SIGNATURE- Henry Bunney

1600-2000 WATCH

Steaming on #1 boiler. #1 & 2 Turbo Gen. on the line. Vacuum up on main unit jacking gear engaged with main L.O. system in operation. Work on #1 main feed pump completed 1600. Checked all operating mach.

Oiler. Owen F/W ~~Lindsley~~ Lindsley Elect. Jenkins.

WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH

In port - Buckner Bay Okinawa Machinery as before, vacuum on main unit #1 Boiler tested 50# steam at 2000, on Jacking Gear. L.O. System in operation. Made Rounds & Insp of Mach & Eng Spaces.

Oiler McGinnis Jwt. Higbee Elect? Reefer?

WATCH ENGR'S SIGNATURE- R. Summers.

2400-0400 WATCH

In port Buckner Bay Okinawa. Mach. as before. Shifted & Cleaned Port F.O. strainers. Daily test of Stby L.O. pump with L.O. for two hours. Inspected & Cleaned main L.O. disch strainer. Bilges at safe level. Made Routine inspections of Mach & Eng's Spaces.

Pierce & McGinnis Making Repairs on #1 Boiler.

Oiler Stillwell Fwt. Morgan Reefer Allen

WATCH ENGR'S SIGNATURE- Henry Bunney

0400-0800 WATCH

Steaming as before. At 0430 lit fires under #1 boiler. @ 0555 put #1 Boiler on aux line. 0610 put #1 Boiler on Gen line 0705, 0710 opened main steam stops 0715 Wheel turning 0714 Rolling main engine by steam with P.O. @ 0715 Test engine Telegraph

OILER - QUINN F/W LINDSLEY

WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH

@ 0800 Rolling engines by steam. Stby @ 0810, Departed @ 0906 Cleaned Top burners P+S, Cleaned F.O. Disch Strainers P+S. Cleaned L.O. strainers on #1 + 2 Turbo Generators. Added 2 gals oil to #2 Fwd pump, Monitoring Bells as per full book.

Stby 0810 - ctr - 21009470 Fom - P-7071340 5-3705330

Dep. - 0906 ctr - 20243000 Fom - P-7071620 5-3705530

@ 0915 18 Nigg. Pumped #1 Hold. Added 2 gals oil to #2 Fwd pump

WATCH ENGR'S SIGNATURE- R. Summers.

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]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope TAP-110	7-B	OKINAWA		P2-S2-R8	1-25-26-67

	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)	2105 0860	2107 4360	2109 8010	2110 6230	2111 4290	2112 8220
TOTAL REVOLUTIONS (FOR WATCH)	23720	23500	23650	8220	8060	6530
AVERAGE RPM	98.8	97.9	98.1	34.2	33.5	27.2
F.O. METER (END OF WATCH)	1078 1720	1078 4390	1078 7010	1078 8930	1079 0040	1079 1650
F.O. CONSUMED	2830	2670	2620	1920	2080	1640
MACHINERY PARTICULARS – PRESSURES – THROTTLE	435	435	440	450	430	440
H.P. AHEAD	435	435	440	100	30	90
L.P. AHEAD	22	22	22	15"	25"	-16
VACUUM	28.6"	28.5	28.5	28.4"	28.7"	28.7
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	135	135	150	140	145	145
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.0	1.0	1.0	4.0	4.0	1.0
H.P. BLEEDER	70	68	70	55	52	~~55~~
I.P. BLEEDER	6	6	6	—	6	—
L.P. BLEEDER	10"	10"	13	26"	26"	—
TEMPERATURES – STEAM AT THROTTLE	710	700	705	540	525	550
L.P. EXHAUST	100	100	101	200	165	170
CONDENSATE	94	94	97	82	77	77
CIRC. WATER IN	72	72	72	72	73	73
CIRC. WATER OUT	84	84	86	76	76	76
L.O. TO COOLERS	126	127	128	112	113	112
L.O. FROM COOLERS	108	108	108	108	108	108
TEMPERATURE THRUST BEARING	118	118	118	116	112	112
FORWARD H.P. ROTOR BEARING	122	123	125	115	113	113

	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	137	138	134	120	118	135
FORWARD L. P. ROTOR BEARING	132	135	134	119	118	130
AFT. L.P. ROTOR BEARING	136	130	131	122	130	128
HOTTEST GEAR BEARING FORWARD	160	155	156	120	115	155
HOTTEST GEAR BEARING AFT	145	145	145	120	116	145
AUX. COND. CONDENSATE	111/116		108/110	103/101		106/108
1ST STAGE FEED WATER HEATER	159	156	156	90	92	~~150~~ 92
D. C. FEED WATER HEATER	238	240	238	240	24	240
~~2ND STAGE FEED WATER HEATER~~ H.P. / L.P.	106 / 106	—	—	—		
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS P/S	210/210	230/195	205/195	210/210	155/150	200/210
F. O. BACK PRESSURE P/S	10/10	10/10	11/10	10/10	10/10	11/11
AIR TO FURNACE P/S	6.0/6.2	5.4/6.2	5.2/5.4	2.0/2.2	2.0/3.0	0.2/0.2
BALANCE UPTAKE	.41	.41	.41	.41	.41	.41
MAIN STEAM	435	435	440	450	430	440
PRESSURES – SUPER HEAT	710	700	705	550	525	550
F.O. TO BURNERS P/S	180/180	180/180	165/165	160/150	155/165	165/165
F.O. TEMP. IN SETTLING TANKS P/S	100/105	100/105	85/75	80/70	85/80	80/83
PORT BOILER UPTAKE	355	325	320	290	305	285
STBD. BOILER UPTAKE	340	330	325	290	300	345
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	82	82	83	82	82	84
FIRE ROOM TEMPERATURE	82	82	83	82	82	84
NOZZLES IN USE	16	18	18	10	10	10
NO. OF BURNERS IN USE	6	6	6	2	2	2
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					13%	
CO_2 % STBD. BOILER					13%	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	435	710	9	118	108		62	1150	1150	235
	2	1200	435	710	7	132	116		60	1250	1200	235
1600 TO 2000	1	1200	435	700	9	115	108		62	1150	1150	235
									6			
	2	1200	435	700	7	132	118		60	1000	1100	235
2000 TO 2400	1	1200	440	705	9	117	108		62	1100	1000	235
	2	1200	440	705	7	132	119		60	1100	1000	235
2400 TO 0400	1	1200	450	540	9	115	105		62	950	900	235
	2	1200	450	540	7	132	116		60	1050	1000	235
0400 TO 0800	1	1200	430	525	9	116	108		62	1000	1000	235
	2	1200	430	525	7	132	116		60	950	1000	235
0800 TO 1200	1	1200	440	550	9	120	110		62	1100	1100	235
	2	1200	440	550	7	128	116		60	1000	1000	235

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	1079/1650	BOILER WATER – ON HAND AT START OF DAY	333
	METER PREVIOUS NOON	1077/8890	EVAPORATED OR RECEIVED	18
	CONSUMED BY METER	12760	ON HAND	310
	ON HAND AT START OF DAY	19037	CONSUMED	41
	RECEIVED DURING DAY	-0-	LUBE OIL – ON HAND AT START OF DAY	2610
	EXPENDED DURING DAY	591	RECEIVED	-0-
	REMAINING ON BOARD	18,446	ON HAND	2600
DOMESTIC WATER	ON HAND AT START OF DAY	1051	CONSUMED	10
	EVAPORATED OR RECEIVED	185	DIES OIL	1383
	ON HAND	1008	ON HAND	1380
	CONSUMED	228	CONSUMED	3

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

4	4	4	4	4	4

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	1440	PERCENT OF SLIP	Pos 10.7
DETENTION TIME	-0-	BBL FUEL/MI	1.71 1.92
TOTAL REVOLUTIONS AVG.	92,500	WIND DIRECTION	090
AVERAGE R.P.M.	64.2	STATE OF SEA	Moderate
TOTAL MILES BY ENGINE	345	STATE OF WEATHER	70°
TOTAL MILES BY OBSERVATION	308		

FROM 360 TO 0-1180

REMARKS

1200-1600 WATCH

Underway on 18 Nozz Mach in operation 1 & 2 Boilers 1 & 2 F.D. Blowers 1 & 2 F.O.S. Pmps. 1 & 2 M.N. B.O. Pmps. Stby Floating. Main & Aux Air Ejectors M.N. & Aux C.W. Pmps. Main & Aux Cond. Pmps 1 & 2 Aux Generators. L.O. Purifier. L.O.S. Pmp. M.N. Air Compressor. Fire & S.W. Pmp. Stbd Starting Gear. Tested overspeed trip low L.O. alarm on M.N. Turbine & Thrust. Shifted F.O. Suct to port outbd settling tks. Fire drill @ 1400 Secured. Tested Relief valve on Fire Pmp. Raised 125# PSI. Boat drill @ 1415. Secured @ Secured From drills @ 1427 Stby ~~@ 1427~~ Checked Starting Air Gear Pumped Bilges. ~~Engine Dept~~ Safety Meeting From 1430 to 1500. 39 present Conducted by 1st Asst Engr

WATCH ENGR'S SIGNATURE- George Bunny

1600-2000 WATCH

Steaming as before on 18 Nozz. 1555 to 1620 blew tubes on #1 & 2 boilers. Changed bottom burner in #1 & 2 boilers. Shifted & Cleaned F.O. Disch. strainer to #1 & 2 boilers. Checked S.E. room and all operating mach. Pumped bilges & Cargo holes.

WATCH ENGR'S SIGNATURE- H M Jones

2000-2400 WATCH

Underway, Steaming on 18 Nozz, Cleaned & Changed Top burners on #1 & 2 boilers Cleaned & Shift L.O. ~~Duo~~ strainers on #1 & 2 turbo generators, Clean & Shift F.O. Disch Strainers P & S, pumped F.O. Settlers from #4 P & S Dup Tanks - 1930 to 2000, Pumped Cargo Holds, Made Rounds & Insp of Mach & Eng spaces.

WATCH ENGR'S SIGNATURE- R Summers

2400-0400 WATCH

Underway on 18 Nozz Mach As Before Stby @ 2350 (Main overhauled) Reduced Engine Speed to Maneuvering ~~@ 0000~~ Daily test of Stby L.O. Pump For 1-hr. Pumped Bilges Secured Bleeders ~~@ 0100~~ Checked Starting Air Gear. Bells as per Bell Book Chief Engr. in Engine Room. Made Routine Inspections of Mach & Engs Spaces.

WATCH ENGR'S SIGNATURE- George Bunny

0400-0800 WATCH

Steaming on the block at 40 RPM. All speed changes as per bell book. Shifted & Cleaned F.O. Disch. strainer to #1 & 2 boilers. Changed Top & bottom burners in #1 & 2 boilers. Shifted & Cleaned main L.O. strainer. Checked S.E. room & all operating mach. Pumped bilges & Cargo holes. 0727 opened W.T. Doors.

WATCH ENGR'S SIGNATURE- H M Jones

0800-1200 WATCH

Steaming on Block, Bells as per bell book. Cleaned & Changed burners 0815 to 0845, @ 10[illegible] secured #2 fuel pump, Renewed Valve Gasket 1020 #2 fuel pump back in service. Cleaned & Shifted L.O. Strainers on #1 & 2 Generators, Eng Utility packing after Diesel Fire pump at 1025. Made Rounds & Insp of Mach & Eng spaces

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER WATER READINGS

STB'D	PORT
HOURS 1414	HOURS 1271
AKL 7.01	AKL 8.75
T-AKL 1168	T-AKL 1488
SAL. 249	SAL. 331
PHOS. 35	PHOS. 50
R.ph 10	R.ph 10

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen John Pope Tap 110	7-B	Okinawa	Vung Tau Nightam	P2-S2-R2	1-26-27-67

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	260	260	260	240
DETENTION TIME						
REVOLUTION COUNTER (END OF WATCH)	2113 3550	2114 4230	2117 3570	2119 8840	2122 4480	2124 8890
TOTAL REVOLUTIONS (FOR WATCH)	12730	14680	25340	25270	25640	23410
AVERAGE RPM	53.0	69.5	97.5	97.9	98.8	97.5
F.O. METER (END OF WATCH)	1079 3050	1079 4990	1079 7990	1080 0980	1080 4000	1080 6750
F.O. CONSUMED	1400	1940	3000	2990	3020	2750
MACHINERY PARTICULARS – PRESSURES: THROTTLE	450	430	440	430	435	440
H.P. AHEAD	190	420	420	430	430	440
L.P. AHEAD	5"	24"	25	26	27	26
VACUUM	28.7	28.7"	28.5	28.6"	28.5"	28.5
L.O. TO TURBINES	12	12	12	12	12	12
AUX. STEAM	145	145	150	150	150	150
BACK PRESSURE	9	9	9	9	9	9
GLAND STEAM	1.5	2.5	1.0	1.0	1.5	1.5
H.P. BLEEDER	–	64	65	72	54	60
I.P. BLEEDER	–	6	6	6	6	6
L.P. BLEEDER	–	10	10	9	8"	11
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE	610	700	700	690	705	695
L.P. EXHAUST	107	100	105	105	108	106
CONDENSATE	81	94	99	102	104	104
CIRC. WATER IN	73	73	73	76	79	76
CIRC. WATER OUT	76	84	88	86	90	88
L.O. TO COOLERS	116	120	126	127	127	126
L.O. FROM COOLERS	104	106	108	110	108	108
TEMPERATURE THRUST BEARING	115	115	117	116	118	117
FORWARD H.P. ROTOR BEARING	116	123	123	129	123	124

	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	124	135	136	139	138	137
FORWARD L. P. ROTOR BEARING	122	130	132	134	135	137
AFT. L.P. ROTOR BEARING	120	125	131	130	130	129
HOTTEST GEAR BEARING FORWARD	125	145	148	155	153	157
HOTTEST GEAR BEARING AFT	124	135	145	147	145	146
AUX. COND. CONDENSATE	105/110		108	108/115		106/110
1ST STAGE FEED WATER HEATER	94	100	160	160	162	160
D. C. FEED WATER HEATER	238	238	238	240	240	240
3RD STAGE FEED WATER HEATER HP/LP	1050/160	—	—	—		
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS P/S	140/140	200/230	180/175	190/190	195/195	195/191
F. O. BACK PRESSURE P/S	10/10	10/9	10/9	10/10	10/14	10/10
AIR TO FURNACE P/S	1.4/1.2	6.0/6.2	5.5/5.5	5.3/5.2	5.2/5.0	5.0/5.2
SOLINOIDS UPTAKE	.41	.41	.41	.41	.83	.41
MAIN STEAM	450	430	440	430	435	440
BOILER PARTICULARS – PRESSURES: SUPER HEAT	610	700	700	690	705	695
F.O. TO BURNERS P/S	150/150	150/155	150/150	150/150	165/160	165/165
F.O. TEMP. IN SETTLING TANKS P/S	75/80	80/80	80/85	80/85	80/85	84/84
PORT BOILER UPTAKE	290	305	320	325	335	320
STBD. BOILER UPTAKE	285	305	322	335	345	320
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	84	84	86	88	88	90
FIRE ROOM TEMPERATURE	84	84	86	88	88	94
NOZZLES IN USE	10	18	18	18	18	18
NO. OF BURNERS IN USE	4	6	6	6	6	6
BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
CO_2 % PORT BOILER					13 1/4	
CO_2 % STBD. BOILER					13 3/4	
OIL LEVEL MAIN SUMP	1'4"	1'4"	1'4"	1'4"	1'4"	1'4"

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	1	1200	450	610	9	118	108		62	1250	1250	235
	2	1200	450	610	7	132	116		60	1350	1300	235
1600 TO 2000	1	1200	430	700	9	118	108		62	1250	1250	235
						110						
	2	1200	430	700	7	132	118		60	1400	1500	235
2000 TO 2400	1	1200	440	700	9	119	109		62	750	700	235
	2	1200	440	700	7	133	119		60	750	700	235
2400 TO 0400	1	1200	430	690	9	118	109		62	700	700	235
	2	1200	430	690	7	134	118		60	750	700	235
0400 TO 0800	1	1200	435	705	9	120	110		62	550	550	235
	2	1200	435	705	7	134	122		60	900	900	235
0800 TO 1200	1	1200	440	695	9	119	109		63	700	700	235
	2	1200	440	695	7	135	122		62	600	600	235

FUEL - WATER AND LUBE OIL

FUEL OIL: METER AT NOON	10806750	
FUEL OIL: METER PREVIOUS NOON	10791650	
FUEL OIL: CONSUMED BY METER	15100	
FUEL OIL: ON HAND AT START OF DAY	18,446	
FUEL OIL: RECEIVED DURING DAY	-0-	
FUEL OIL: EXPENDED DURING DAY	676	
FUEL OIL: REMAINING ON BOARD	17,770	
DOMESTIC WATER: ON HAND AT START OF DAY	1008	
DOMESTIC WATER: EVAPORATED OR RECEIVED	177	
DOMESTIC WATER: ON HAND	937	
DOMESTIC WATER: CONSUMED	248	
BOILER WATER: ON HAND AT START OF DAY	310	
BOILER WATER: EVAPORATED OR RECEIVED	26	
BOILER WATER: ON HAND	285	
BOILER WATER: CONSUMED	51	
LUBE OIL: ON HAND AT START OF DAY	2600	
LUBE OIL: RECEIVED	~~[illegible]~~ 2590	
LUBE OIL: ON HAND	2590	
LUBE OIL: CONSUMED	10	
DIESEL OIL	1380	
ON HAND	1378	
CONSUMED	2	

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

4	4	4 1/3	4 1/3	4 1/3	4

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 1/3	4 1/3	4 1/3	4

SUMMARY

RUNNING TIME	1510	PERCENT OF SLIP Pos.	13.03
DETENTION TIME	-0-	BBL FUEL/MI	1.44 / 1.66
TOTAL REVOLUTIONS	125,580	WIND DIRECTION	120°
AVERAGE R.P.M.	83.7	STATE OF SEA	2' swells
TOTAL MILES BY ENGINE	468	STATE OF WEATHER	74°
TOTAL MILES BY OBSERVATION	407		

FROM 750 to 60-891

REMARKS

1200-1600 WATCH
Underway ~~at~~ 40 RPM. Mach Inoperation. 1&2 Boilers 1&2 FD Blowers 1&2 F.O.S. PMPS. 1&2 MN. FD. PMPS. MN&AUX AIR EJECTORS MN&AUX CIRC PMPS. MN&AUX Cond PMPS. L.O. PURIFICR. L.O.S. PMP. 1&2 AUX GENERATORS. Main Air Compressor. FIRE&SAN PUMP. Stbd Steering Gear. ~~Tested~~ overspeed trip Low L.O. ALARM ON MN. Turbine Started A.C. UNit @1315 Pumped Bilges. Checked Steering E.R. GEAR. Added 2 GALS L.O. to #1 MN FD. PUMP 1 GAL to #2. Bell AS per Bell Book Made Routine Rounds on Mach & Engs SPACES.

WATCH ENGR'S SIGNATURE- George Burney

1600-2000 WATCH
Steaming at ~~4~~ on 60 RPM. 1555 to ~~to~~ 1620 blew tubes on #1 & 2 boilers. All speed changes as per bell book. 1828 pump st. Closed WT doors. 1839 opened 18 NOZZ increased speed to full throttle. CTR-21142580-P-FOM-7080830 5-FOM-3713600. Checked all operating mach. 1905 #1&2 Eng up to speed on 18 NOZZ. Checked S.E. Room. Pumped bilges & Cargo holds.

WATCH ENGR'S SIGNATURE- Hm Jones

2000-2400 WATCH
Underway, Steaming on 18 Nozz, Cleaned & Changed all Burners, put Stby fuel pump on to assist Main Fuel pump. - Notified 1/E & Chief-E Main fuel pump not working properly. - @ 2300 Retarded Ships clock 20 min. Pumped outboard settler at 2300 from #4 P&S Deep, Made Rounds & Insp of Mach & Eng spaces.

WATCH ENGR'S SIGNATURE- R Summers.

2400-0400 WATCH
UNderway on 18 NOZZ. Secured #2 MN Feed PUMP @ 0000 For Repairs. Retarded Clocks 20 MINS @ 0100. Changed & Cleaned Center FO. burners & disch. STRAINERS. Held ENGS Casualty drill B-5 high WATER IN Boiler WATCH INST & Bridge Notified 0130-0150 Repairs Completed on #2 MN Feed pump @ 0130 By the 1st Asst Engr & 3rd asst STARTED SAME It Appears to be OK. INSPected & CLEANED MAIN L.O. disch STRAINERS. Pumped Bilges. Checked STEERING E.R. GEAR. Made Rounds on Mach & Engs Spaces.

WATCH ENGR'S SIGNATURE- George Burney

0400-0800 WATCH
Steaming as before on 18 NOZZ. 0500 to 0530 held fire room Casualty drill B-5 - high water in boiler watch inst. Bridge notified. Changed bottom burner in #1&2 boiler. shifted F.O. disch. strainer to #1&2 boiler #1 Port & stbd feed tanks shower. 83 G.P.G. Checked S.E. Room & all operating mach. shifted F.O. suct. strainer. Retarded Clocks (20 min.) at 0530. Shifted Main L.O. strainer. 0634 opened W.T. doors. Pumped bilges. shifted F.O. suct. to inboard settler.

WATCH ENGR'S SIGNATURE- Hm Jones

0800-1200 WATCH
Underway, Steaming on 18 Nozz, Cleaned & changed top Burners, pumped settlers from #4 P&S. DPs 0830 to 0900, Blew tubes 0800 to 0835, Clean & Shift F.O. Disch strainers P&S, Clean & shift Main L.O. ~~Disch~~ strainers 0930 to 1000. Held Eng Casualty Drill B-5 - Bridge Notified 4 Men present. Made Rounds & Insp of Mach & Eng spaces.

WATCH ENGR'S SIGNATURE- R Summers

CHIEF ENGINEER

BOILER READINGS

STB'D	PORT
HOURS ~~901~~ 1458	HOURS 1295
AKL 7.01	AKL 8.18
T-AKL 1285	T-AKL 1285
SAL. 3.31	SAL. 3.73
PHOS. 50	PHOS. 50
R.ph 10	R.ph 10

CHIEF ENGR'S SIGNATURE- [illegible]