

USNS <i>San John Pope TAP-110</i>		VOYAGE NO.		FROM <i>Asc Capland</i>		TO		TYPE OF VESSEL <i>P-2H</i>		DATE <i>16 + 17 Mar 1967</i>			
		WATCH						WATCH					
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
RUNNING TIME													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)													
F.O. CONSUMED													
PRESSURES		THROTTLE											
		H.P. AHEAD											
		L.P. AHEAD											
		VACUUM											
		L.O. TO TURBINES											
		AUX. STEAM											
		BACK PRESSURE											
		GLAND STEAM											
		H.P. BLEEDER											
		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													
AFT. H.P. ROTOR BEARING													
FORWARD L.P. ROTOR BEARING													
AFT. L.P. ROTOR BEARING													
MACH. PARTICULARS (CONT'D)		HOTTEST GEAR BEARING FORWARD											
		HOTTEST GEAR BEARING AFT											
		AUX. COND. CONDENSATE											
		1ST STAGE FEED WATER HEATER											
		D. C. FEED WATER HEATER											
		3RD STAGE FEED WATER HEATER											
		SUPER HEAT		P									
		F.O. TO BURNERS											
		AIR TO FURNACE		P									
		F.O. TEMP. IN SETTLING TANKS		S									
		PORT BOILER UPTAKE											
		STBD. BOILER UPTAKE											
BOILER PARTICULARS		F. O. BACK PRESSURE											
		MAIN STEAM											
		F.O. TO BURNERS											
		MAIN COND. SALINITY											
		ENGINE ROOM TEMPERATURE											
		FIRE ROOM TEMPERATURE											
		NOZZLES IN USE											
		NO. OF BURNERS IN USE		P									
		BURNER TIP SIZE		S									
		CO ₂ % PORT BOILER											
		CO ₂ % STBD. BOILER											
		DIL LEVEL MAIN SUMP											
MISCELLANEOUS		CO ₂ % STBD. BOILER											
		DIL LEVEL MAIN SUMP											
		CO ₂ % PORT BOILER											
		CO ₂ % STBD. BOILER											
		DIL LEVEL MAIN SUMP											
		CO ₂ % PORT BOILER											
		CO ₂ % STBD. BOILER											
		DIL LEVEL MAIN SUMP											
		CO ₂ % PORT BOILER											
		CO ₂ % STBD. BOILER											
		DIL LEVEL MAIN SUMP											
		CO ₂ % PORT BOILER											
CO ₂ % STBD. BOILER													
DIL LEVEL MAIN SUMP													
GENERATORS		METER AT NOON											
		METER PRE- VIOUS NOON											
		CONSUMED BY METER											
		ON HAND AT START OF DAY											
		RECEIVED DURING DAY											
		EXPENDED DURING DAY											
		REMAINING ON BOARD											
		ON HAND AT START OF DAY											
		EVAPORATED OR RECEIVED											
		ON HAND											
		CONSUMED											
		FUEL - WATER AND LUBE OIL		ON HAND AT START OF DAY									
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
L.O. CENTRIFUGE - HOURS OPERATED		LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)											
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
		1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800			
SUMMARY		RUNNING TIME											
		DETENTION TIME											
		TOTAL REVOLUTIONS											
		AVERAGE R.P.M.											
		TOTAL MILES BY ENGINE											
		TOTAL MILES BY											
		PROPPELLER SLIP (%)											
		BBL FUEL - MI											
		WIND DIRECTION											
		STATE OF SEA											
		STATE OF WEATHER											
		TOTAL MILES BY											

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Red water plant secured machinery in position
4th Comp. Pumping Bilges.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

Red water plant machinery as before plant sec.
vented steam down off Red 1 stbd Bilges.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Plant Secured - Bilges at safe level

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

Plant Secured - Bilges at safe level

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

Plant secured cover working as per work list

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER READING

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

CHIEF ENGR'S SIGNATURE-

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Plant secured Bilges at safe level

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

Plant secured Bilges at safe level

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

Engine Room secured

BOILER WATER REAT

STE'D PORT
HOURS HOURS
AHL AHL
T-175 T-175
SAL. SAL.
PHOS. PHOS.
R.ph R.ph

CHIEF ENGR'S SIGNATURE-

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

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

REMARKS

1200-1600 WATCH

PORT RELIEF WATCH. Plant secured as before. Pumped OK. Bilges dry.
Condition No. 1. Logs good.

WATCH ENGR'S SIGNATURE

[Signature] R/E

1600-2000 WATCH

PORT RELIEF WATCH. Plant secured as before. Bilges satisfactory.

WATCH ENGR'S SIGNATURE

[Signature] R/E

2000-2400 WATCH

PORT RELIEF WATCH. Plant secured. Bilges OK.

WATCH ENGR'S SIGNATURE

[Signature] R/E

2400-0400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE

[Signature] R/E

0400-0800 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE

[Signature] R/E

0800-1200 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE

[Signature] R/E

CHIEF ENGINEER

[Signature]

NO. 1 WATER PUMP

STOPPED

STOPPED

STOPPED

STOPPED

STOPPED

STOPPED

STOPPED

CHIEF ENGR'S SIGNATURE

[Signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
<i>Benjamin Pope TAP-110</i>		<i>AT</i> <i>250-00Kland</i>		<i>P2-S2-R2</i>	<i>3-19-67</i>

		WATCH						WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS													
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													
TEMPERATURES	STEAM AT THROTTLE												
	L. P. EXHAUST												
	CONDENSATE												
	CIRC. WATER IN												
	CIRC. WATER OUT												
	L.O. TO COOLERS												
	L.O. FROM COOLERS												
	TEMPERATURE THRUST BEARING												
	FORWARD H.P. ROTOR BEARING												
	AFT. H.P. ROTOR BEARING												
FORWARD L.P. ROTOR BEARING													
AFT. L.P. ROTOR BEARING													
MACH. PARTICULARS (CONT'D)													
TEMPERATURES (CONT'D)													
HOTTEST GEAR BEARING FORWARD													
HOTTEST GEAR BEARING AFT													
AUX. COND. CONDENSATE													
1ST STAGE FEED WATER HEATER													
D. C. FEED WATER HEATER													
3RD STAGE FEED WATER HEATER													
SUPER HEAT													
F.O. TO BURNERS													
AIR TO FURNACE													
F.O. TEMP. IN SETTLING TANKS													
PORT BOILER UPTAKE													
STBD. BOILER UPTAKE													
F. O. BACK PRESSURE													
MAIN STEAM													
F.O. TO BURNERS													
MAIN COND. SALINITY													
ENGINE ROOM TEMPERATURE													
FIRE ROOM TEMPERATURE													
NOZZLES IN USE													
NO. OF BURNERS IN USE													
BURNER TIP SIZE													
CO ₂ % PORT BOILER													
CO ₂ % STBD. BOILER													
OIL LEVEL MAIN SUMP													

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	BOILER WATER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	LUBE OIL	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	DIESEL OIL	ON HAND	RECEIVED	CONSUMED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
1200 TO 1600																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

REMARKS

1200-1600 WATCH

PORT RELIEF WATCH. Plant secured as before. Pumped ER, 54 Hrs.
Condition Good.

WATCH ENGR'S SIGNATURE

[Signature] R/H

1600-2000 WATCH

PORT RELIEF WATCH. Plant secured. Edges satisfactory.

WATCH ENGR'S SIGNATURE

[Signature] R/H

2000-2400 WATCH

PORT RELIEF WATCH. Plant secured. ER 54 Hrs. Edges satisfactory and at safe level. Condition Good.

WATCH ENGR'S SIGNATURE

[Signature] R/H

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE

[Signature] R/H

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE

[Signature] R/H

0800-1200 WATCH

Plant Secured - Working as per Work list.
Edges at safe level.

WATCH ENGR'S SIGNATURE

[Signature] R/H

CHIEF ENGINEER

Engine Room Secured

CHIEF ENGR'S SIGNATURE

[Signature]

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE					
USNS Gen. John Pope TAP-116				AT NSC- Oakland				P2-82-R2		3-20-21-67					
		WATCH								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															
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													
TEMPERATURES		STEAM AT THROTTLE													
		L. P. EXHAUST													
		CONDENSATE													
		CIRC. WATER IN													
		CIRC. WATER OUT													
		L.O. TO COOLERS													
		L.O. FROM COOLERS													
		TEMPERATURE THRUST BEARING													
		FORWARD H.P. ROTOR BEARING													
		AFT. H.P. ROTOR BEARING													
TEMPERATURES		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													
		SUPER HEAT		P											
		S													
TEMPERATURES		F.O. TO BURNERS													
		AIR TO FURNACE		P											
		S													
		F.O. TEMP. IN SETTLING TANKS		P											
		S													
		PORT BOILER UPTAKE													
		STBD. BOILER UPTAKE													
		F. O. BACK PRESSURE													
		MAIN STEAM													
		F.O. TO BURNERS													
PRESSURES		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE		P											
		S													
		BURNER TIP SIZE		P											
		S													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
TEMPERATURES		OIL LEVEL MAIN SUMP													
		HOTTEST GEAR BEARING FORWARD													
		HOTTEST GEAR BEARING AFT													
		AUX. COND. CONDENSATE													
		1ST STAGE FEED WATER HEATER													
		D. C. FEED WATER HEATER													
		3RD STAGE FEED WATER HEATER													
		SUPER HEAT		P											
		S													
		F.O. TO BURNERS													
PRESSURES		AIR TO FURNACE		P											
		S													
		F.O. TEMP. IN SETTLING TANKS		P											
		S													
		PORT BOILER UPTAKE													
		STBD. BOILER UPTAKE													
		F. O. BACK PRESSURE													
		MAIN STEAM													
		F.O. TO BURNERS													
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TEMPERATURES		ENGINE ROOM TEMPERATURE													
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		NOZZLES IN USE													
		NO. OF BURNERS IN USE		P											
		S													
		BURNER TIP SIZE		P											
		S													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
PRESSURES		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE		P											
		S													
		BURNER TIP SIZE		P											
		S													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
TEMPERATURES		OIL LEVEL MAIN SUMP													
		HOTTEST GEAR BEARING FORWARD													
		HOTTEST GEAR BEARING AFT													
		AUX. COND. CONDENSATE													
		1ST STAGE FEED WATER HEATER													
		D. C. FEED WATER HEATER													
		3RD STAGE FEED WATER HEATER													
		SUPER HEAT		P											
		S													
		F.O. TO BURNERS													
PRESSURES		AIR TO FURNACE		P											
		S													
		F.O. TEMP. IN SETTLING TANKS		P											
		S													
		PORT BOILER UPTAKE													
		STBD. BOILER UPTAKE													
		F. O. BACK PRESSURE													
		MAIN STEAM													
		F.O. TO BURNERS													
		MAIN COND. SALINITY													
TEMPERATURES		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE		P											
		S													
		BURNER TIP SIZE		P											
		S													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
PRESSURES		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE		P											
		S													
		BURNER TIP SIZE		P											
		S													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
TEMPERATURES		OIL LEVEL MAIN SUMP													
		HOTTEST GEAR BEARING FORWARD													
		HOTTEST GEAR BEARING AFT													
		AUX. COND. CONDENSATE													
		1ST STAGE FEED WATER HEATER													
		D. C. FEED WATER HEATER													
		3RD STAGE FEED WATER HEATER													
		SUPER HEAT		P											
		S													
		F.O. TO BURNERS													
PRESSURES		AIR TO FURNACE		P											
		S													
		F.O. TEMP. IN SETTLING TANKS		P											
		S													
		PORT BOILER UPTAKE													
		STBD. BOILER UPTAKE													
		F. O. BACK PRESSURE													
		MAIN STEAM													
		F.O. TO BURNERS													
		MAIN COND. SALINITY													
TEMPERATURES		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE		P											
		S													
		BURNER TIP SIZE		P											
		S													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
PRESSURES		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE		P											
		S													
		BURNER TIP SIZE		P											
		S													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
TEMPERATURES		OIL LEVEL MAIN SUMP													
		HOTTEST GEAR BEARING FORWARD													
		HOTTEST GEAR BEARING AFT													
		AUX. COND. CONDENSATE													
		1ST STAGE FEED WATER HEATER													
		D. C. FEED WATER HEATER													
		3RD STAGE FEED WATER HEATER													
		SUPER HEAT		P											
		S													
		F.O. TO BURNERS													
PRESSURES		AIR TO FURNACE		P											
		S													
		F.O. TEMP. IN SETTLING TANKS		P											
		S													
		PORT BOILER UPTAKE													
		STBD. BOILER UPTAKE													
		F. O. BACK PRESSURE													
		MAIN STEAM													
		F.O. TO BURNERS													
		MAIN COND. SALINITY													
TEMPERATURES		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE		P											
		S													
		BURNER TIP SIZE		P											
		S													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
PRESSURES		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE		P											
		S													
		BURNER TIP SIZE		P											
		S													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
TEMPERATURES		OIL LEVEL MAIN SUMP													

REMARKS

1200-1600 WATCH

Plant Secured. Bilges at Safe level. Made Rounds of mach spaces.

WATCH ENGR'S SIGNATURE

R. Summers

1600-2000 WATCH

Port Performance. Plant secured as before. Checked maching and spaces. Bilges at safe level.

WATCH ENGR'S SIGNATURE

R. Summers R/E

2000-2400 WATCH

PORT RELIEF WATER. Plant secured. Did not pump bilges. L.C. in bilges. Safe level now. Let fill more before pumping down.

WATCH ENGR'S SIGNATURE

R. Summers R/E

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE

R. Summers R/E

0400-0800 WATCH

PLANT SECURED

STARTED CIRCULATING TURBINE OIL TO MAIN UNIT @ 0600 BY VERBAL ORDER FROM CHIEF ENGINEER PER TO L.C. COOLER BEING OPEN. USED COOLER BY PASS.

WATCH ENGR'S SIGNATURE

R. Summers R/E

0800-1200 WATCH

PLANT SECURED. Crew working as per work list.

WATCH ENGR'S SIGNATURE

F. Harris

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

R. Summers

REMARKS

1200-1600 WATCH

Plant secured engine working as per work list.

WATCH ENGR'S SIGNATURE-

L. Harris

1600-2000 WATCH

PORT RELIEF WATCH. Plant secured as before.

WATCH ENGR'S SIGNATURE-

W. Lawrence R.H.

2000-2400 WATCH

PORT RELIEF WATCH. Plant as before. Pumps. E.P. Bldg. Oiler could not get start on 3A.

WATCH ENGR'S SIGNATURE-

W. Lawrence R.H.

2400-0400 WATCH

Plant is BEING

WATCH ENGR'S SIGNATURE-

W. Lawrence R.H.

0400-0800 WATCH

Plant is BEING

WATCH ENGR'S SIGNATURE-

W. Lawrence R.H.

0800-1200 WATCH

Plant is BEING

WATCH ENGR'S SIGNATURE-

F. Harris

CHIEF ENGINEER

Plant secured

BOILER WATER HD.

STB'D

PORT

HOURS

HOURS

AKL

AKL

T-401

T-AKL

SAL.

SAL.

PECS.

PECS.

R.ph

R.ph

CHIEF ENGR'S SIGNATURE-

W. Lawrence R.H.

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
60N John POK Tap-110				AT USS. OAKLAND				P2-S2-P2		3-22-23-67			
WATCH													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
MACH. PARTICULARS (CONT'D)													
HOTTEST GEAR BEARING FORWARD													
HOTTEST GEAR BEARING AFT													
AUX. COND. CONDENSATE													
1ST STAGE FEED WATER HEATER													
D. C. FEED WATER HEATER													
3RD STAGE FEED WATER HEATER													
SUPER HEAT P S													
F.O. TO BURNERS													
AIR TO FURNACE P S													
F.O. TEMP. IN SETTLING TANKS P S													
PORT BOILER UPTAKE													
STBD. BOILER UPTAKE													
F. D. BACK PRESSURE													
MAIN STEAM													
F.O. TO BURNERS													
MAIN COND. SALINITY													
ENGINE ROOM TEMPERATURE													
FIRE ROOM TEMPERATURE													
NOZZLES IN USE													
NO. OF BURNERS IN USE P S													
BURNER TIP SIZE P S													
CO ₂ % PORT BOILER													
CO ₂ % STBD. BOILER													
OIL LEVEL MAIN SUMP													
MISCELLANEOUS													
MACH. 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													
STEAM AT THROTTLE													
L. P. EXHAUST													
CONDENSATE													
CIRC. WATER IN													
CIRC. WATER OUT													
L.O. TO COOLERS													
L.O. FROM COOLERS													
TEMPERATURE THRUST BEARING													
FORWARD H.P. ROTOR BEARING													
AFT. H.P. ROTOR BEARING													
FORWARD L.P. ROTOR BEARING													
AFT. L.P. ROTOR BEARING													
TEMPERATURES													
PRESSURES													

WATCH													
GENERATORS													
GENERATOR NUMBER													
R.P.M.													
STEAM PRESSURE													
STEAM TEMP.													
L.O. PRESSURE													
L.O. TO COOLER													
L.O. FROM COOLER													
TEMP. OF HOTTEST BEARING													
L.O. GOVERNOR PRESSURE													
AMPS POSITIVE													
AMPS NEGATIVE													
VOLTS													
FUEL OIL													
METER AT NOON													
METER PREVIOUS NOON													
CONSUMED BY METER													
ON HAND AT START OF DAY													
RECEIVED DURING DAY													
EXPENDED DURING DAY													
REMAINING ON BOARD													
DOMESTIC WATER													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gal.)													
L.O. CENTRIFUGE - HOURS OPERATED													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
SUMMARY													
RUNNING TIME													
DETENTION TIME													
TOTAL REVOLUTIONS													
AVERAGE R.P.M.													
TOTAL MILES BY ENGINE													
TOTAL MILES BY OBSERVATION													
PROPELLER SLIP (%)													
BBL FUEL/MI													
WIND DIRECTION													
STATE OF SEA													
STATE OF WEATHER													

REMARKS

1200-1600 WATCH

Port watch plant secured crew working as per work list.

WATCH ENGR'S SIGNATURE-

F. Harris

1600-2000 WATCH

PORT RELIEF WATCH Plant secured as before. No more. No 2 Air Compressor running on auto. Little water in shaft along ER at safe level. Bilge line open. One man from MFE and WALKER taking measurements of WTD to SA.

WATCH ENGR'S SIGNATURE-

Robert L. Lanning RFE

2000-2400 WATCH

PORT RELIEF WATCH Plant secured as before. Very little water in bilges ER & SA. Bilge line open. Did not close or pump bilges. Safe until morning.

WATCH ENGR'S SIGNATURE-

Robert L. Lanning RFE

2400-0400 WATCH

Plant Secured.

WATCH ENGR'S SIGNATURE-

Robert L. Lanning RFE

0400-0800 WATCH

Plant Secured.

WATCH ENGR'S SIGNATURE-

Robert L. Lanning RFE

0800-1200 WATCH

Plant Secured machinery in operation AIR Comp.

WATCH ENGR'S SIGNATURE-

F. Harris

CHIEF ENGINEER

ENGINEER WATER R...

STEADY FIDE

ENGINE ROOMS

IN - 1

W. 1 AND

... GAL.

PHOS. PHOS.

R. ph R. ph

CHIEF ENGR'S SIGNATURE-

Robert L. Lanning

USNS

John Pope AAP-110

VOYAGE NO.

FROM

AT NSC OAKLAND

TO

TYPE OF VESSEL

P2-S2-R2

DATE

3-23/24-67

		WATCH								WATCH							
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
RUNNING TIME								MACH. PARTICULARS (CONT'D) TEMPERATURES		HOTTEST GEAR BEARING FORWARD							
DETENTION TIME										HOTTEST GEAR BEARING AFT							
REVOLUTION COUNTER (END OF WATCH)										AUX. COND. CONDENSATE							
TOTAL REVOLUTIONS (FOR WATCH)										1ST STAGE FEED WATER HEATER							
AVERAGE RPM										O. C. FEED WATER HEATER							
F.O. METER (END OF WATCH)										3RD STAGE FEED WATER HEATER							
F.O. CONSUMED																	
PRESSURES	THROTTLE							BOILER PARTICULARS TEMPERATURES		SUPER HEAT	P						
	H.P. AHEAD									S							
	L.P. AHEAD									F.O. TO BURNERS							
	VACUUM									AIR TO FURNACE	P						
	L.O. TO TURBINES									S							
	AUX. STEAM									F.O. TEMP. IN SETTLING TANKS	P						
	BACK PRESSURE									S							
	GLAND STEAM									PORT BOILER UPTAKE							
	H.P. BLEEDER							STBD. BOILER UPTAKE									
	I.P. BLEEDER																
	L.P. BLEEDER																
	TEMPERATURES	STEAM AT THROTTLE							PRESSURES		F. O. BACK PRESSURE						
L. P. EXHAUST								MAIN STEAM									
CONDENSATE								F.O. TO BURNERS									
CIRC. WATER IN																	
CIRC. WATER OUT																	
L.O. TO COOLERS								MISCELLANEOUS		MAIN COND. SALINITY							
L.O. FROM COOLERS										ENGINE ROOM TEMPERATURE							
TEMPERATURE THRUST BEARING										FIRE ROOM TEMPERATURE							
FORWARD H.P. ROTOR BEARING										NOZZLES IN USE							
AFT. H.P. ROTOR BEARING										ND. OF BURNERS IN USE	P						
FORWARD L.P. ROTOR BEARING										S							
AFT. L.P. ROTOR BEARING																	
										BURNER TIP SIZE	P						
										S							
										CO ₂ % PORT BOILER							
							CO ₂ % STBD. BOILER										
							OIL LEVEL MAIN SUMP										

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL	BOILER WATER	LUBE OIL	DIESEL OIL	METER AT NOON	ON HAND AT START OF DAY	METER PREVIOUS NOON	EVAPORATED OR RECEIVED	CONSUMED BY METER	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON HAND	ON HAND AT START OF DAY	RECEIVED	ON 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REMARKS

1200-1600 WATCH

PLANT SECURED CROWN WORKING AS PER WORK LIST.

WATCH ENGR'S SIGNATURE-

L. Harris

1600-2000 WATCH

PORT RELIEF WATER. Plant secured as before. Mr. Harris secured at port drain to SA. Will continue tomorrow and pump out bilge. Bilge at safe level. No. 2 Air Compressor steady.

WATCH ENGR'S SIGNATURE-

W. L. Harris

2000-2400 WATCH

PORT RELIEF WATER. Plant secured as before. Bilges SA & EP at safe level, so did NOT pump. Condition Normal.

WATCH ENGR'S SIGNATURE-

W. L. Harris

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

W. L. Harris

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

W. L. Harris

0800-1200 WATCH

PLANT SECURED CROWN WORKING AS PER WORK LIST.

WATCH ENGR'S SIGNATURE-

L. Harris

CHIEF ENGINEER

Plant Secured

PORT RELIEF WATER

PORT RELIEF WATER

PORT RELIEF WATER

PORT RELIEF WATER

PORT RELIEF WATER

PORT RELIEF WATER

PORT RELIEF WATER

PORT RELIEF WATER

CHIEF ENGR'S SIGNATURE-

W. L. Harris

REMARKS

1200-1600 WATCH

Plant secured even working as per work list.

WATCH ENGR'S SIGNATURE-

F. Harris

1600-2000 WATCH

PORT RELIEF WATCH. Plant secured as before. Bilges satisfactory.

WATCH ENGR'S SIGNATURE-

[Signature] R/P

2000-2400 WATCH

PORT RELIEF WATCH. Plant as before. Bilges safe. Did not pump.

WATCH ENGR'S SIGNATURE-

[Signature] R/P

2400-0400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

[Signature] R/P

0400-0800 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

[Signature] R/P

0800-1200 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

[Signature] R/P

CHIEF ENGINEER

Plant secured

BOILER WATER READING

SEED	PORT
FOUL	HOURS
AKL	AKL
T-AKL	T-AKL
SAL.	SAL.
PHOS.	PHOS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE-

[Signature]

REMARKS

1200-1600 WATCH

PORT PUMP WATER Plant secured as before. 2 A/E (D) and pumps working.
Bilges dry.

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

PORT PUMP WATER Plant as before. Bilges dry. Crew secured at 1630.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

PORT PUMP WATER Plant secured. Pumps stopped.

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

PLANT DEAD

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

PLANT DEAD

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

PLANT DEAD

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

Plant Secured

BOILER WATER READ

SEMP	PORT
FT. 10	HOURS
ANK	ANK
T-ANK	T-ANK
SAL.	SAL.
FECS.	FECS.
R.ph	R.ph

CHIEF ENGR'S SIGNATURE

REMARKS

1200-1600 WATCH

PORT RELIEF WATCH. Plant secured No. 2 Air Compressor running. ERSEA bilges satisfactory.

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

PORT RELIEF WATCH. Plant secured as before. Bilges at safe level.

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

PORT RELIEF WATCH. Plant secured as before. Pumped ERSEA bilges down. Condition Normal.

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

SECURED

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

SECURED

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

Plant secured. Crew cleaning & painting E/R Room.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

Plant Secured

FOUNDER WATER READ

PORT
STB
NO. 1
NO. 2
NO. 3
NO. 4
NO. 5
NO. 6
NO. 7
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NO. 96
NO. 97
NO. 98
NO. 99
NO. 100

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE					
John POPE TAP-110				AT NSC. OAKLAND				P2-S2-R2		3-27-67					
		WATCH								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															
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													
TEMPERATURES		STEAM AT THROTTLE													
		L. P. EXHAUST													
		CONDENSATE													
		CIRC. WATER IN													
		CIRC. WATER OUT													
		L.O. TO COOLERS													
		L.O. FROM COOLERS													
		TEMPERATURE THRUST BEARING													
		FORWARD H.P. ROTOR BEARING													
		AFT. H.P. ROTOR BEARING													
TEMPERATURES		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													
		SUPER HEAT													
		F.O. TO BURNERS													
PRESSURES		AIR TO FURNACE													
		F.O. TEMP. IN SETTLING TANKS													
		PORT BOILER UPTAKE													
		STBD. BOILER UPTAKE													
		F. O. BACK PRESSURE													
		MAIN STEAM													
		F.O. TO BURNERS													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
TEMPERATURES		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
PRESSURES		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
PRESSURES		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
PRESSURES		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
PRESSURES		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
PRESSURES		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
PRESSURES		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
PRESSURES		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													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
PRESSURES		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
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		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
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PRESSURES		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
PRESSURES		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
PRESSURES		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
PRESSURES		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
PRESSURES		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
PRESSURES		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
		CO ₂ % PORT BOILER													
		CO ₂ % STBD. BOILER													
		OIL LEVEL MAIN SUMP													
PRESSURES		MAIN COND. SALINITY													
		ENGINE ROOM TEMPERATURE													
		FIRE ROOM TEMPERATURE													
		NOZZLES IN USE													
		NO. OF BURNERS IN USE													
		BURNER TIP SIZE													
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		OIL LEVEL MAIN SUMP													
		MAIN COND. SALINITY													
PRESSURES		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													
		MAIN COND. SALINITY													

REMARKS

1200-1600 WATCH

Plant secured crew cleaning & painting Eng. Room

WATCH ENGR'S SIGNATURE-

L. Harris

1600-2000 WATCH

Per Plant Watch Plant secured as before. Bilges safe. Sea clear in S/A. All temps. normal.

WATCH ENGR'S SIGNATURE-

R. Lanning R/E

2000-2400 WATCH

Per Plant Watch No. 1. Plant as before. Bilges unpumped, but filling.

WATCH ENGR'S SIGNATURE-

R. Lanning R/E

2400-0400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

R. Lanning R/E

0400-0800 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

R. Lanning R/E

0800-1200 WATCH

Plant secured crew cleaning & painting Eng. Room

WATCH ENGR'S SIGNATURE-

L. Harris

CHIEF ENGINEER

Plant secured

DO NOT WATER READING

TEMP

WIND

SEA

WAVE

WIND

WAVE

WIND

CHIEF ENGR'S SIGNATURE-

R. Lanning R/E

USNS		VOYAGE NO.		FROM		TYPE OF VESSEL		DATE					
JOHN POPP TAP-110				KANSAS OAKLAND		PZ-52 RZ		3-28/49-67					
		WATCH						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													
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											
TEMPERATURES		STEAM AT THROTTLE											
		L. P. EXHAUST											
		CONDENSATE											
		CIRC. WATER IN											
		CIRC. WATER OUT											
		L.O. TO COOLERS											
		L.O. FROM COOLERS											
		TEMPERATURE THRUST BEARING											
		FORWARD H.P. ROTOR BEARING											
		AFT. H.P. ROTOR BEARING											
TEMPERATURES		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											
		O. C. FEED WATER HEATER											
		3RD STAGE FEED WATER HEATER											
		SUPER HEAT											
		F.O. TO BURNERS											
TEMPERATURES		AIR TO FURNACE											
		F.O. TEMP. IN SETTLING TANKS											
		PORT BOILER UPTAKE											
		STBD. BOILER UPTAKE											
		F. O. BACK PRESSURE											
		MAIN STEAM											
		F.O. TO BURNERS											
		MAIN COND. SALINITY											
		ENGINE ROOM TEMPERATURE											
		FIRE ROOM TEMPERATURE											
TEMPERATURES		NOZZLES IN USE											
		NO. OF BURNERS IN USE											
		BURNER TIP SIZE											
		CO ₂ % PORT BOILER											
		CO ₂ % STBD. BOILER											
		OIL LEVEL MAIN SUMP											
		MAIN COND. SALINITY											
		ENGINE ROOM TEMPERATURE											
		FIRE ROOM TEMPERATURE											
		NOZZLES IN USE											
TEMPERATURES		NO. OF BURNERS IN USE											
		BURNER TIP SIZE											
		CO ₂ % PORT BOILER											
		CO ₂ % STBD. BOILER											
		OIL LEVEL MAIN SUMP											
		MAIN COND. SALINITY											
		ENGINE ROOM TEMPERATURE											
		FIRE ROOM TEMPERATURE											
		NOZZLES IN USE											
		NO. OF BURNERS IN USE											
TEMPERATURES		BURNER TIP SIZE											

REMARKS

1200-1600 WATCH

Port Watch Plant Secured Over cleaning + Painting Eng. Rm.

WATCH ENGR'S SIGNATURE

L. Harris

1600-2000 WATCH

PORT RELIEF WATCH Plant secured as before. Air Comp. on line and running. Bilges OK for now.

WATCH ENGR'S SIGNATURE

D. L. Lanning R/E

2000-2400 WATCH

PORT RELIEF WATCH Plant secured as before. Pumped L.H. S.A. & Evap. Flat Bilges

WATCH ENGR'S SIGNATURE

D. L. Lanning R/E

2400-0400 WATCH

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

Port Watch Plant Secured Over cleaning Eng. Room
Held Annual inspections of machinery & spaces by Port Navy
Captain

WATCH ENGR'S SIGNATURE

L. Harris

CHIEF ENGINEER

Plant Secured

BOILER WATER READINGS

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

CHIEF ENGR'S SIGNATURE

D. L. Lanning R/E

REMARKS

1200-1600 WATCH

~~PORT PL~~ Port Watch Plant secured.

WATCH ENGR'S SIGNATURE-

L. Harris

1600-2000 WATCH

PORT RELIEF WATER Plant secured as before. Routine checks made.
No. 2 Main Air Comp. running. Bilges OK. Temp. normal.

WATCH ENGR'S SIGNATURE-

W. L. Lanning R/E

2000-2400 WATCH

PORT RELIEF WATER Plant secured as before. Bilges still satisfactory.
Did not pump.

WATCH ENGR'S SIGNATURE-

W. L. Lanning R/E

2400-0400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

W. L. Lanning R/E

0400-0800 WATCH

Plant Secured.

WATCH ENGR'S SIGNATURE-

W. L. Lanning R/E

0800-1200 WATCH

Plant Secured.

WATCH ENGR'S SIGNATURE-

L. Harris

CHIEF ENGINEER

Plant Secured

BOTTLES WATER READY

SEB'D. PORT
HOURS. HOURS
A.M. 11
T.A.P. 11:30
SAB. 11:45
PHCS. 12:00
R.F.H. 12:15

CHIEF ENGR'S SIGNATURE-

W. L. Lanning R/E

REMARKS

1200-1600 WATCH

Plant secured

WATCH ENGR'S SIGNATURE

[Signature]

1600-2000 WATCH

PORT RELIEF WATCH. Plant secured as before. Air Compressor in service. Bilges pumped by 1200-1600 watch. Satisfactory at end of this watch.

WATCH ENGR'S SIGNATURE

[Signature] R/E

2000-2400 WATCH

PORT RELIEF WATCH. Plant same. Pumped out 515 SA bilges.

WATCH ENGR'S SIGNATURE

[Signature] R/E

2400-0400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE

[Signature]

0400-0800 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE

[Signature]

0800-1200 WATCH

Plant secured. Bilges pumped out 415 SA bilges. Air Compressor in service.

WATCH ENGR'S SIGNATURE

[Signature]

CHIEF ENGINEER

[Signature] Plant Secured

BOAT WARD ROOM

STAN FORD

BOAT WARD ROOM

STAN FORD

STAN FORD

STAN FORD

STAN FORD

STAN FORD

CHIEF ENGR'S SIGNATURE

[Signature]

USNS <i>John Pope TAN-110</i>	VOYAGE NO.	FROM <i>At NSC Portland</i>	TO	TYPE OF VESSEL <i>62-52-APC</i>	DATE <i>31 Dec 1950</i>
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		WATCH								WATCH								
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			
RUNNING TIME								MACH. PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		HOTTEST GEAR BEARING FORWARD								
DETENTION TIME										HOTTEST GEAR BEARING AFT								
REVOLUTION COUNTER (END OF WATCH)										AUX. COND. CONDENSATE								
TOTAL REVOLUTIONS (FOR WATCH)										1ST STAGE FEED WATER HEATER								
AVERAGE RPM										D. C. FEED WATER HEATER								
F.O. METER (END OF WATCH)										3RD STAGE FEED WATER HEATER								
F.O. CONSUMED								BOILER PARTICULARS TEMPERATURES PRESSURES		SUPER HEAT		P						
MACHINERY PARTICULARS PRESSURES		THROTTLE										S						
		H.P. AHEAD										F.O. TO BURNERS						
		L.P. AHEAD										AIR TO FURNACE		P				
		VACUUM												S				
		L.O. TO TURBINES										F.O. TEMP. IN SETTLING TANKS		P				
		AUX. STEAM												S				
		BACK PRESSURE										PORT BOILER UPTAKE						
		GLAND STEAM										STBD. BOILER UPTAKE						
		H.P. BLEEDER										F. O. BACK PRESSURE						
		I.P. BLEEDER										MAIN STEAM						
		L.P. BLEEDER										F.O. TO BURNERS						
		TEMPERATURES		STEAM AT THROTTLE							MAIN COND. SALINITY							
L. P. EXHAUST									ENGINE ROOM TEMPERATURE									
CONDENSATE									FIRE ROOM TEMPERATURE									
CIRC. WATER IN									NOZZLES IN USE									
CIRC. WATER OUT									NO. OF BURNERS IN USE		P							
L.O. TO COOLERS											S							
L.O. FROM COOLERS											P							
TEMPERATURE THRUST BEARING									BURNER TIP SIZE		S							
FORWARD H.P. ROTOR BEARING									CO ₂ % PORT BOILER									
AFT. H.P. ROTOR BEARING									CO ₂ % STBD. BOILER									
FORWARD L.P. ROTOR BEARING									OIL LEVEL MAIN SUMP									
AFT. L.P. ROTOR BEARING																		

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL							
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		DIESEL OIL	
1200 TO 1600													METER AT NOON			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			ON HAND AT START OF DAY				
													EXPENDED DURING DAY			RECEIVED				
1600 TO 2000													REMAINING ON BOARD			ON HAND				
													ON HAND AT START OF DAY			CONSUMED				
													EVAPORATED OR RECEIVED			ON HAND				
2000 TO 2400													ON HAND			RECEIVED				
													CONSUMED			CONSUMED				
													LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)							
2400 TO 0400													L.O. CENTRIFUGE - HOURS OPERATED							
													1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		
0400 TO 0800													SUMMARY							
													RUNNING TIME			PROPELLER SLIP (%)				
													DETENTION TIME			BBL FUEL/MI				
0800 TO 1200													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

Direct Sunlight

WATCH ENGR'S SIGNATURE-

[Signature]

1600-2000 WATCH

Port-Relief Watch. Plant secured as before. No. 2 Air Comp. running. Bilge satisfactory. Secured Mo. line.

WATCH ENGR'S SIGNATURE-

[Signature]

2000-2400 WATCH

Port-Relief Watch. Plant secured. Pumped L.R. & S.A. down.

WATCH ENGR'S SIGNATURE-

[Signature]

2400-0400 WATCH

Plant down.

WATCH ENGR'S SIGNATURE-

[Signature]

0400-0800 WATCH

Plant down.

WATCH ENGR'S SIGNATURE-

[Signature]

0800-1200 WATCH

Plant down.

WATCH ENGR'S SIGNATURE-

[Signature]

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

[Signature]

REMARKS

1200-1600 WATCH

PORT RELIEF WATCH. Plant secured as before. No 2 Air Comp. on line
Bilges satisfactory. 35.8°C.

WATCH ENGR'S SIGNATURE

1600-2000 WATCH

PORT RELIEF WATCH. Plant as before. Bilges satisfactory.

WATCH ENGR'S SIGNATURE

2000-2400 WATCH

PORT RELIEF WATCH. Plant secured. Pumped ER & JALPIS GOWD.

WATCH ENGR'S SIGNATURE

2400-0400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE

0400-0800 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE

0800-1200 WATCH

Plant Secured

Pl. 51.7 TO 4.1 + 2 on ~~Pl~~ STBD INBOARD + CUT BACK 120
FD SETTERS AT 104°C

WATCH ENGR'S SIGNATURE

CHIEF ENGINEER

BOILER WATER READY

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

CHIEF ENGR'S SIGNATURE

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

WATCH	GENERATORS												FUEL - WATER AND LUBE OIL											
	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL				BOILER WATER		LUBE OIL		DIESEL OIL			
1200 TO 1600													METER AT NOON				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				ON HAND AT START OF DAY							
													EXPENDED DURING DAY				RECEIVED							
													REMAINING ON BOARD				ON HAND							
													ON HAND AT START OF DAY				CONSUMED							
													EVAPORATED OR RECEIVED				RECEIVED							
1600 TO 2000													ON HAND				ON HAND							
													CONSUMED				RECEIVED							
													ON HAND				CONSUMED							
													CONSUMED				CONSUMED							
													ON HAND AT START OF DAY				ON HAND							
													EVAPORATED OR RECEIVED				RECEIVED							
2000 TO 2400													ON HAND				ON HAND							
													CONSUMED				RECEIVED							
													ON HAND				CONSUMED							
													CONSUMED				CONSUMED							
													ON HAND AT START OF DAY				ON HAND							
													EVAPORATED OR RECEIVED				RECEIVED							
2400 TO 0400													ON HAND				ON HAND							
													CONSUMED				RECEIVED							
													ON HAND				CONSUMED							
													CONSUMED				CONSUMED							
													ON HAND AT START OF DAY				ON HAND							
													EVAPORATED OR RECEIVED				RECEIVED							
0400 TO 0800													ON HAND				ON HAND							
													CONSUMED				RECEIVED							
													ON HAND				CONSUMED							
													CONSUMED				CONSUMED							
													ON HAND AT START OF DAY				ON HAND							
													EVAPORATED OR RECEIVED				RECEIVED							
0800 TO 1200													ON HAND				ON HAND							
													CONSUMED				RECEIVED							
													ON HAND				CONSUMED							
													CONSUMED				CONSUMED							
													ON HAND AT START OF DAY				ON HAND							
													EVAPORATED OR RECEIVED				RECEIVED							
LOW PRESS. EVAPORATORS (No. of hrs. operated)/(Fresh water made gals.)																								
L.O. CENTRIFUGE - HOURS OPERATED																								
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200														
SUMMARY																								
RUNNING TIME				PROPELLER SLIP (%)																				
DETENTION TIME				BBL FUEL MI																				
TOTAL REVOLUTIONS				WIND DIRECTION																				
AVERAGE R.P.M.				STATE OF SEA																				
TOTAL MILES BY ENGINE				STATE OF WEATHER																				
TOTAL MILES BY OBSERVATION																								

1200-1600 WATCH

PORT RELIEF WATER Plant secured as before. Bilges satisfactory. Steam on Inbd & Cutbd Setts. Temp. 90°

WATCH ENGR'S SIGNATURE-

[Signature] R/E

1600-2000 WATCH

PORT RELIEF WATER Plant same. Bilges OK 1830 Setts. 100°. Secured steam. Closed return by-pass at Setts. Valves thru trap open. Pumped ERE 5th SA & Engd Plat bilges. F.W. 3 1/2 8-6"

WATCH ENGR'S SIGNATURE-

[Signature] R/E

2000-2400 WATCH

PORT RELIEF WATER TO 2300 AS PER N/C. Bilges pumped last watch. Relinquishing to Ship's Eng' and crew for lighting off No 2 Eng Room as per N/C. *[Signature]* R/E

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

BOILER WATER GRADE

STBD	PORT
HOURS	HOURS
ANK	ALL
T-AND	T-AND
SAL.	SAL.
PROS.	PROS.
R-12	R-12

CHIEF ENGR'S SIGNATURE-

[Signature]