#2

ENGINE ROOM LOG

GEARED TURBINE DRIVE

USNS Pope

FROM 2 May **19**66 **TO** 6 June **19**66

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
Leon J Pope		@ Oakland			2-3 May 1966

	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	610	530	700	760	740	700
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST		122	108	102	96	94
CONDENSATE						
CIRC. WATER IN	58	57	59	60	60	60
CIRC. WATER OUT	63					
L.O. TO COOLERS		113	110	108	108	108
L.O. FROM COOLERS		111	108	107	107	106
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	106	106	105	106	106	
	1ST STAGE FEED WATER HEATER	112	111	110	118	116	
	O. C. FEED WATER HEATER	239	238	240	240	240	
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS	150	200	200	200	198	
	F. O. BACK PRESSURE						
	AIR TO FURNACE	108	108	95	95	94	
	UPTAKE						
	MAIN STEAM	530	530	520	520	525	
BOILER PARTICULARS – PRESSURES	SUPER HEAT	460	460	460	460	460	
	F.O. TO BURNERS	190	180	160	125	130	
	F.O. TEMP. IN SETTLING TANKS						
	PORT BOILER UPTAKE						
	STBD. BOILER UPTAKE						
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	69	73	70	81	79	
	FIRE ROOM TEMPERATURE						
	NOZZLES IN USE						
	NO. OF BURNERS IN USE	2	3	3	3	3	
	BURNER TIP SIZE	C	C	C	C	C	
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	NORM	NORM	NORM	NORM	NORM	

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	460	530	8	132	110		62	1200	1200	240
	4	1200	460	530	10	130	110		51	1200	1200	240
1600 TO 2000	3	1200	460	530	8	132	110		62	1150	1150	240
	4	1200	460	530	10	130	110		51	1250	1250	240
2000 TO 2400	3	1200	460	520	8	132	110		62	1150	1150	240
	4	1200	460	520	10	129	108		51	1150	1150	240
2400 TO 0400	3	1200	460	520	8	132	110		62			
	4	1200	460	520	10	132	114		51			
0400 TO 0800	3											
0800 TO 1200	3	1200	460	530	8	130	110		62	900	900	240
	4	1200	460	530	10	132	108		51	900	900	240

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	10880		ON HAND	
	ON HAND AT START OF DAY	4458		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	76		RECEIVED	
	REMAINING ON BOARD	4382		ON HAND	4200
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		OIL 2000		
	ON HAND				
	CONSUMED				

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

L.O. CENTRIFUGE - HOURS OPERATED

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

SUMMARY

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

REMARKS

1200-1600 WATCH
MAG AS BEFORE. #3 BLR. SECD H/N UNIT IDLING ON JACK GEAR. & L.O. VAC. SECD H/N UNIT.

F.O.M. #4 2375840 #3 6423670 WATCH ENGR'S SIGNATURE- W. Barrington

1600-2000 WATCH
ROUTINE PORT WATCH. BILGES AT SAFE LEVEL.
AT ~~1~~ ~~Fo~~ AT 1930 DOLAN F/WT ON 2000-2400 WATCH TELEPHONED IN. ~~#4~~ ~~#3~~ I WAS CALLED TO QUARTER DECK, TO ANSWER TELEPHONE. HE SAID HE HAD STOMACH CRAMPS AND LEG CRAMPS, AND WOULD NOT BE IN TO WORK. CALLED OUT GENE KRUPP TO STAND WATCH.
FWT ~~MCR~~ LEARY OILER MOREOS ELECT ON CALL LEVINER. EVAP UTILITY SHEPARD.

F.O.M. #4 2377070 #3 6423670 WATCH ENGR'S SIGNATURE- W. Yg 1/c

2000-2400 WATCH
VENTED #1 & 2 BOILERS @ 2200 BILGES AT SAFE LEVEL.
ROUTINE INSPECTIONS OF MAIN & AUX MACH. SPACES MADE AT REGULAR INTERVALS. MOONEY JR. ENGR. SHOWED UP FOR HIS WATCH REFERRED HIM TO MR. KNAPP.

FWT KRUPP OILER JHONSON ELECT ON CALL LEVINER EVAP. MT. SHEPARD

FOM #4 2377830 #3 6423670 WATCH ENGR'S SIGNATURE- W. Yg 1/c

2400-0400 WATCH
ROUTINE PORT WATCH
NO UNUSUAL HAPPENINGS
BILGES AT SAFE LEVEL

FOM #4 2377830 #3 6423670
FWT MOREOS OILER LEARY ELECT LAVINER EVAP MCINTYRE WATCH ENGR'S SIGNATURE- W. Yg 1/c

0400-0800 WATCH
BILGES KEPT TO SAFE LEVEL
ROUTINE INSPECTIONS OF MAIN & AUX MACH SPACES MADE AT REGULAR INTERVALS FOR FIRE & FLOODING.

EVAP UTILITY MC. INTYRE FOM #4 2378570 #3 6423670
FWT ~~Leary~~ OILER MOREOS ELECT LAVINER WATCH ENGR'S SIGNATURE- W. Yg

0800-1200 WATCH
MAG AS BEFORE SECD L.O. & JACK GEAR ON FWD & AFTER PUMPS.
CHANGED TO 2P/S POT TKS.
SECD L.P. EVAP SECD PURIFIER.

WATCH ENGR'S SIGNATURE- W. Barrington

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- M. Johnson

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Isaac J Pope		@ Oakland			3-4 Mar

	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						
23 F.O. METER (END OF WATCH)	93900	94830	80270	80570	81100	81500
F.O. CONSUMED		940	440	300	530	400
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN		58	58	58	57	57
CIRC. WATER OUT	74					
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	110	93	95	95	95	95
1ST STAGE FEED WATER HEATER	105	106	105	110	110	110
D. C. FEED WATER HEATER	238	238	238	238	238	237
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	168	160	120	120	150
F. O. BACK PRESSURE						
AIR TO FURNACE	93	93	95	95	95	97
UPTAKE						
MAIN STEAM	520	510	510	520	520	520
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	460	460	460
F.O. TO BURNERS	190	220	220	210	210	190
F.O. TEMP. IN SETTLING TANKS	85	80	82	84	85	85
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	73	73	73	73	73	73
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	520	8	132	110		62	900	900	240
	4	1200	460	520	10	130	107		51	900	900	240
1600 TO 2000	3	1200	460	510	8	132	110		62	900	900	240
	4	1200	460	510	10	129	108		51	900	900	240
2000 TO 2400	3	1200	460	510	8	132	110		62	850	850	240
	4	1200	460	510	10	128	107		51	900	900	240
2400 TO 0400	3	1200	460	520	8	132	110		62	850	850	240
	4	1200	460	520	10	128	107		51	850	850	240
0400 TO 0800	3	1200	460	520	8	132	109		62	950	950	240
	4	1200	460	520	10	128	106		51	925	925	240
0800 TO 1200	3	1200	460	520	8	130	110		62	900	900	240
	4	1200	460	520	10	126	108		51	900	900	240

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	4382		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	50		RECEIVED	
	REMAINING ON BOARD	4332		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		DIE 2000		
	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
0					

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
MACH AS BEFORE. CHANGED & CLEANED FO DISCH STRNRS.

WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL
ROUTINE INSPECTIONS OF MAIN & AUX MACH SPACES MADE AT REGULAR INTERVALS.

ELECT. ON CAPT JENKINS F.O. METER #3 6423670 #4 2379830
OILER SEGGERMAN FWT BELLA REETER GINTEL WATCH ENGR'S SIGNATURE- [signature] 1/C

2000-2400 WATCH
ROUTINE PORT WATCH
BILGES OK
NO UNUSUAL HAPPENINGS

ELECT ON CAPT JENKINS F.O METER #3 6423670 #4 ~~2380~~ 2380270
OILER SEGGERMAN FWT BELLA RELTER GINTEL WATCH ENGR'S SIGNATURE- [signature] 1/C

2400-0400 WATCH
BILGES KEPT TO SAFE LEVEL
NO UNUSUAL HAPPENINGS EXCEPT DAMPER ON #4 BOILER CLOSED ON AUTO @ 0200
SWITCHED OFF AUTO, WHEN STM PRESS RETURNED TO NORMAL PUT ON AUTO & SAME WORKED FINE.
ROUTINE INSPECTIONS OF MAIN & AUX MACH SPACES MADE AT REGULAR INTERVALS FOM #3 6423670 #4 2380570
OILER SEGGERMAN FWT LEDRY REETER HARDY WATCH ENGR'S SIGNATURE- [signature] 1/C

0400-0800 WATCH
AT 0420 CHANGED TO STBD OUTBOARD SETTLER
ROUTINE PORT WATCH
MACHINERY AS BEFORE
BILGES AT SAFE LEVEL

FOM #3 6423670 #4 2381100
OILER SEGGERMAN FWT LEDRY REETER HARDY WATCH ENGR'S SIGNATURE- [signature] 1/C

0800-1200 WATCH
MACH AS BEFORE. CHANGED & CLEANED #2 BURNER & F.O. DISCH STRNR

WATCH ENGR'S SIGNATURE- [signature]

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- M E Johnson

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
POPE		@4 NSC OAKLAND			4-5 May 66

	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						
238 F.O. METER (END OF WATCH)	1970	2410	2880	3300	3740	3880
F.O. CONSUMED	470	440	470	420	440	440
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN	56	56	56	56	50	50
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	94	94	94	93	96	98
	1ST STAGE FEED WATER HEATER	109	110	110	110	109	105
	D. C. FEED WATER HEATER	238	237	237	238	237	238
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS	150	150	150	150	150	150
	F. O. BACK PRESSURE						
	AIR TO FURNACE	92	92	92	92	92	92
	UPTAKE						
	MAIN STEAM	525	520	520	525	525	525
BOILER PARTICULARS – PRESSURES	SUPER HEAT	460	460	460	460	460	460
	F.O. TO BURNERS	145	165	165	160	160	180
	F.O. TEMP. IN SETTLING TANKS	80	80	80	80	80	85
	PORT BOILER UPTAKE						
	STBD. BOILER UPTAKE						
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	76	73	71	71	73	78
	FIRE ROOM TEMPERATURE						
	NOZZLES IN USE						
	NO. OF BURNERS IN USE	2	2	2	2	2	2
	BURNER TIP SIZE	C	C	C	C	C	C
	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	3	1200	460	525	8	130	109		62	950	950	240
	4	1200	460	525	10	128	108		51	950	950	240
1600 TO 2000	3	1200	460	520	8	132	110		62	900	900	240
	4	1200	460	520	10	130	110		51	850	850	240
2000 TO 2400	3	1200	460	530	8	132	110		62	900	900	240
	4	1200	460	530	10	130	110		51	880	880	240
2400 TO 0400	3	1200	460	525	8	132	110		62	900	900	240
	4	1200	460	525	10	130	110		51	800	800	240
0400 TO 0800	3	1200	460	525	8	132	110		62	900	900	240
	4	1200	460	525	10	130	110		51	900	900	240
0800 TO 1200	3	1200	460	525	8	130	110		62	900	900	240
	4	1200	460	525	10	130	110		51	900	900	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	3480	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1300		EVAPORATED OR RECEIVED	
	CONSUMED BY METER			ON HAND	
	ON HAND AT START OF DAY	4332		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	63		RECEIVED	
	REMAINING ON BOARD	4269		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		DIE. 2000		
	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
M/Acl AS BEFORE

WATCH ENGR'S SIGNATURE- W T Scarborough

1600-2000 WATCH
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL
MACHINERY AS BEFORE
ROUTINE INSPECTIONS OF MAIN + AUX MACH. SPACES MADE AT REGULAR INTERVALS

OILER MOROS FWT BELLA REEFER GINTIL ELEC ON CALL BROOKS WATCH ENGR'S SIGNATURE- W V Smith 2/c

2000-2400 WATCH
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL
MACHINERY AS BEFORE

OILER MOROS FWT BELLA REEFER GINTIL ELEC ON CALL BROOKS WATCH ENGR'S SIGNATURE- W V Smith 2/c

2400-0400 WATCH
ROUTINE PORT WATCH
BREW TUBES #4 BOILER 0305 TO 0315
BILGES AT SAFE LEVEL

OILER MOROS FWT LEARY REEFER HARDY ELEC BROOKS WATCH ENGR'S SIGNATURE- W V Smith 2/c

0400-0800 WATCH
MACHINERY AS BEFORE
BILGES AT SAFE LEVEL
AT 0655 RECEIVED CALL FROM WELCHER WIPER 389-6 SAID HE WAS SICK.
MADE VAGUE REMARK ABOUT HIS TEETH.

OILER MOROS FWT LEARY REEFER HARDY ELEC ON CALL BROOKS WATCH ENGR'S SIGNATURE- W V Smith 2/c

0800-1200 WATCH
M/Acl AS BEFORE. TOOK ON APPROX 2000 GALS L.O. TO L.O. STORAGE & SETTLING TKS
DRAINED L.O. FROM POT. WATER PUMP & REFILLED WITH NEW L.O.

WATCH ENGR'S SIGNATURE- W T Scarborough

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- M E Johnson

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen J Pope		@ OAKLAND			5-6 May 66

	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						
238 F.O. METER (END OF WATCH)	4640	5090	5490	5900	6350	6790
F.O. CONSUMED	460	450	400	410	450	440
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING						
	FORWARD L. P. ROTOR BEARING						
	AFT. L.P. ROTOR BEARING						
	HOTTEST GEAR BEARING FORWARD						
	HOTTEST GEAR BEARING AFT						
	AUX. COND. CONDENSATE	95	95	93	91	94	95
	1ST STAGE FEED WATER HEATER	107	105	109	107	106	105
	D. C. FEED WATER HEATER	237	238	238	237	237	238
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS	150	150	150	150	150	150
	F. O. BACK PRESSURE						
	AIR TO FURNACE	92	95	92	93	93	93
	UPTAKE						
	MAIN STEAM	520	520	520	520	520	520
BOILER PARTICULARS – PRESSURES	SUPER HEAT	460	460	460	460	460	460
	F.O. TO BURNERS	180	175	175	170	185	180
	F.O. TEMP. IN SETTLING TANKS	70	64	70	70	77	76
	PORT BOILER UPTAKE						
	STBD. BOILER UPTAKE						
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	80	78	77	74	73	77
	FIRE ROOM TEMPERATURE						
	NOZZLES IN USE						
	NO. OF BURNERS IN USE	2	2	2	2	2	2
	BURNER TIP SIZE	C	C	C	C	C	C
	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	3	1200	460	520	8	130	110		62	950	950	240
	4	1200	460	520	10	130	110		51	950	950	240
1600 TO 2000	3	1200	460	520	8	132	110		62	850	850	240
	4	1200	460	520	10	132	110		51	850	850	240
2000 TO 2400	3	1200	460	520	8	132	110		62	850	850	240
	4	1200	460	520	10	132	110		51	850	850	240
2400 TO 0400	3	1200	460	520	8	132	110		62	800	800	240
	4	1200	460	520	10	130	110		51	850	850	240
0400 TO 0800	3	1200	460	530	8	132	110		62	800	800	240
	4	1200	460	530	10	130	110		51	850	850	240
0800 TO 1200	3	1200	460	520	8	130	110		62	900	900	240
	4	1200	460	520	10	130	110		51	900	900	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	6790	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	5450		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	2604		ON HAND	
	ON HAND AT START OF DAY	4469		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	62		RECEIVED	
	REMAINING ON BOARD	4207		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED			012 2000	
	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
MACH AS BEFORE. TOPPED OFF INBD & OUTBD SETTLERS.

WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH
MACHINERY AS BEFORE.
ROUTINE PORT WATCH
ROUTINE INSPECTIONS OF AUX. + MAIN MACH. SPACES MADE AT REGULAR INTERVALS

OILER LINDBURGH, F/WT BELLA, REEFER, GINTIL ELEC PORTER WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
MACHINERY AS BEFORE
BILGES AT SAFE LEVEL
ROUTINE PORT WATCH

OILER SEEBERMAN F/WT BELLA REEFER GINTIL ELEC PORTER WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
MACHINERY AS BEFORE
BILGES OK
ROUTINE PORT WATCH

OILER MGREOS F/WT LEARY REEFER HEARDY ELEC PORTER WATCH ENGR'S SIGNATURE- [illegible]

0400-0800 WATCH
MACHINERY AS BEFORE
BILGES AT SAFE LEVEL
ROUTINE INSPECTIONS OF AUX + MAIN MAC. SPACES MADE AT REGULAR INTERVALS

OILER MGREOS F/WT LEARY REEFER HARDY CO ELEC PORTER WATCH ENGR'S SIGNATURE- [illegible]

0800-1200 WATCH
MACH AS BEFORE TEST RAN #1 & 2 LIFEBOAT ENGINES 5 min ENGL.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
GEN J POPE		@ OAKLAND			6-7 MAY 1966

	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						
238 F.O. METER (END OF WATCH)	7190	7610	8000	8420	8850	9270
F.O. CONSUMED	400	420	390	420	430	420
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	95	93	93	93	92	92
1ST STAGE FEED WATER HEATER	110	110	110	110	107	107
D. C. FEED WATER HEATER	238	238	238	238	238	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE	93	92	91	91	91	91
UPTAKE						
MAIN STEAM	520	520	520	520	515	515
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	440	440	440
F.O. TO BURNERS	180	175	175	170	185	150
F.O. TEMP. IN SETTLING TANKS	77	77	75	75	80	77
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	78	76	76	75	75	77
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
CO_2 % PORT BOILER						
CO_2 % STBD. BOILER						
OIL LEVEL MAIN SUMP	NORM.			✓	✓	✓

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	460	520	8	130	110		62	800	800	240
	4	1200	460	520	10	130	110		51	800	800	240
1600 TO 2000	3	1200	460	520	8	133	110		62	800	800	240
	4	1200	460	520	10	132	110		51	800	800	240
2000 TO 2400	3	1200	460	520	8	133	110		62	800	800	240
	4	1200	460	520	10	132	110		51	800	800	240
2400 TO 0400	3	1200	440	520	8	132	110		62	800	800	240
	4	1200	440	520	10	130	110		51	800	800	240
0400 TO 0800	3	1200	440	515	8	132	111		62	800	800	240
	4	1200	440	515	10	130	110		62	800	800	240
0800 TO 1200	3	1200	440	515	8	132	110		62	750	750	240
	4	1200	440	515	10	132	110		51	750	750	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	9270	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	6790		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	2480		ON HAND	
	ON HAND AT START OF DAY	4207		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	60		RECEIVED	
	REMAINING ON BOARD	4147		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		DIF. 2000		
	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
MACH. AS BEFORE – BILGES AT SAFE LEVEL

WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL

OILER SERGENMAN FWT BELLA REFER GINTER ELECT LEVINER WATCH ENGR'S SIGNATURE- W. H. Leggett Jr.

2000-2400 WATCH
ROUTINE PORT WATCH
BILGES OK
MACHINERY AS BEFORE.

OILER SERGENMAN FWT BELLA REFER GINTER ELECT LEVINER WATCH ENGR'S SIGNATURE- W. H. Leggett Jr.

2400-0400 WATCH
MACHINERY AS BEFORE.
PERMISSION NOT GRANTED TO BLOW TUBES.

OILER ~~FWT~~ MGREOS FWT-MCINTYRE REFER-HARDY ELECT-LEVINER WATCH ENGR'S SIGNATURE- William H. Leggett

0400-0800 WATCH
MACHINERY AS BEFORE
BLOW TUBES BY PERMISSION OF BRIDGE.

OILER-MGREOS FWT-MCINTYRE REFER-HARDY ELECT.-LEVINER WATCH ENGR'S SIGNATURE- William H. Leggett

0800-1200 WATCH
ROUTINE WATCH AS BEFORE. E.R. BILGES AT SAFE LEVEL.

OILER-MOONEY FWT-MCINTYRE REFER-HARVEY ELECT.-JENKINS WATCH ENGR'S SIGNATURE- William H. Leggett

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- M. E. Johnson

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
[redacted] ANDOPE		At NSC Cartagena.			7-8 May

	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						
238 F.O. METER (END OF WATCH)	9630	9 0050	0450	6840	91270	91720
F.O. CONSUMED	360	420	400	390	430	450
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	180	130	130	130	130	125
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	93	94	94	93	92	94
1ST STAGE FEED WATER HEATER	107	110	110	108	108	108
D. C. FEED WATER HEATER	238	237	237	238	238	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE	97	93	90	86	88	90
UPTAKE						
MAIN STEAM	520	520	520	520	520	530
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	460	460	440
F.O. TO BURNERS	160	150	150	160	170	175
F.O. TEMP. IN SETTLING TANKS	81	80	80	80	85	91
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	78	74	69	70	71	71
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	520	8	132	111		62	850	850	240
	4	1200	460	520	10	130	112		51	800	800	240
1600 TO 2000	3	1200	460	520	8	133	110		62	800	800	240
	4	1200	460	520	10	130	110		51	800	800	240
2000 TO 2400	3	1200	460	520	8	133	110		62	800	800	240
	4	1200	460	520	10	132	110		51	750	750	240
2400 TO 0400	3	1200	460	520	8	132	110		62	800	800	240
	4	1200	460	520	10	130	110		52	750	750	240
0400 TO 0800	3	1200	460	520	8	132	110		62	830	830	240
	4	1200	460	520	10	130	110		52	750	750	240
0800 TO 1200	3	1200	440	530	8	134	112		62	900	900	240
	4	1200	440	530	10	132	110		52	800	800	240

FUEL · WATER AND LUBE OIL

FUEL OIL	METER AT NOON	9720	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	9270		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	2450		ON HAND	
	ON HAND AT START OF DAY	4147		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	60		RECEIVED	
	REMAINING ON BOARD	4087		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED			DIE 2000	
	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
Routine Port Watch, Mach. As Before.
Routine inspections of Aux. Main Spaces Made At Regular Intervals.

Oiler Mooney Fwt Henry Eller Jenkins Refer Haney WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH
Routine Port Watch
Bilges At Safe Level.
Routine inspections of Aux. + Main Mach. Spaces Made

Oiler Sergeman Fwt Bezza Eller Jenkins Refer Gentil. WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
Routine Port Watch
Bilges ok

Oiler Sergeman Fwt Bezza Lafferty Jenkins Refer Gentil WATCH ENGR'S SIGNATURE- [illegible] 4E

2400-0400 WATCH
Routine Port Watch

Made Routine Inspection of Spaces & Machinery

Oiler McReds, Fwt. Leary, Electa. on call Jenkins, Refer Engr. Hardy.
WATCH ENGR'S SIGNATURE- H. J. Wenels, R/E.

0400-0800 WATCH
Routine Port Watch

Made Routine Inspection of Spaces & Machinery

Same Watch As Before WATCH ENGR'S SIGNATURE- H. J. Wenels, R/E.

0800-1200 WATCH
Routine Port Watch
Made inspection of Spaces & Machinery

Oiler Mooney, Fwt. McIntyre, Electa. C.W. Brooks, Refer Haney
WATCH ENGR'S SIGNATURE- H. J. Wenels, R/E

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
POPL		@ OAKLAND			8-9 W/ AUG 19 66

	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)	2120	2590	2990	3400	3840	4250
F.O. CONSUMED	450	470	400	410	440	410
MACHINERY PARTICULARS – PRESSURES: THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES: STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D): AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	95	94	94	94	92	93
1ST STAGE FEED WATER HEATER	106	110	110	107	108	107
D. C. FEED WATER HEATER	238	238	238	237	237	238
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES: F.O. TO BURNERS	130	130	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE	98	90	88	90	90	90
UPTAKE						
MAIN STEAM	520	520	525	525	550	53
BOILER PARTICULARS – PRESSURES: SUPER HEAT	460	460	460	440	430	440
F.O. TO BURNERS	160	150	175	170	175	180
F.O. TEMP. IN SETTLING TANKS	92	91	91	88	85	85
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS: ENGINE ROOM TEMPERATURE	70	70	69	79	80	80
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	520	8	133	110		62	900	900	240
	4	1200	460	520	10	131	111		51	800	800	240
1600 TO 2000	3	1200	460	520	8	133	110		62	900	900	240
	4	1200	460	520	10	132	110		51	860	860	240
2000 TO 2400	3	1200	460	525	8	133	110		62	850	850	240
	4	1200	460	525	10	132	111		51	850	850	240
2400 TO 0400	3	1200	440	520	8	132	110		62	850	850	240
	4	1200	440	520	10	130	110		52	800	800	235
0400 TO 0800	3	1200	430	540	8	132	110		62	800	800	240
	4	1200	430	540	10	130	110		52	800	800	235
0800 TO 1200	3	1200	440	530	8	132	110		62	850	850	240
	4	1200	440	530	10	130	110		52	850	850	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	4280	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	1720		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	2520		ON HAND	
	ON HAND AT START OF DAY	4087		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	60		RECEIVED	
	REMAINING ON BOARD	4027		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		DIST 2000		
	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

SECURED FIRE PUMP #2 @ 1400 MTR HEARING ON SANITARY OFF STICKER FROM FIRE MAIN. CO ASTERN @ 1510.
CHANGED TO STBD INBD F.O SETT @ 1200

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

OILER MCCLOY FWT MC INTYRE ELECT BROOKS REFER HARDY
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

OILER SEEGERMAN FWT BULLA ELEC BROOKS REFER SINTIL
ROUTINE PORT WATCH
MOVED SPARE WATER FROM BOILER TO #3 PORT BILGE TO TRIM SHIP
ROUTINE INSPECTIONS OF MAIN & AUX MACH SPACES MADE AT REGULAR INTERVALS

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

WATCH AS ABOVE
ROUTINE PORT WATCH
MADE ROUTINE INSPECTION OF SPACES & MACHINERY

WATCH ENGR'S SIGNATURE- H. J. Wenck, R/E.

0400-0800 WATCH

OILER MCREDS, FWT. LEARY, ELECT. BROOKS, REFER HARDY,
ROUTINE PORT WATCH
MADE ROUTINE INSPECTION OF SPACES & MACHINERY

WATCH ENGR'S SIGNATURE- H. J. Wenck, R/E.

0800-1200 WATCH

WATCH AS ABOVE
MACH AS BEFORE SECD FIRE MAIN & SANITARY SYST FOR REPAIRS.

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
POPE.		NSC OAKLAND			9-10-66

	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	4710					7220
259 F.O. METER (END OF WATCH)	~~3541~~	5140	5590	6030	6500	~~7980~~
F.O. CONSUMED	430	430	450	440	470	770
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN			~~[illegible]~~			
CIRC. WATER OUT						
L.O. TO COOLERS			80			
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D)	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
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	95	93	94	93	96	95
1ST STAGE FEED WATER HEATER	106	108	110	110	110	110
D. C. FEED WATER HEATER	233	238	238	237	237	235
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE	92	88	88	88	90	91
UPTAKE						
MAIN STEAM	560	540	570	540	560	550
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	460	450	460
F.O. TO BURNERS	190	175	175	190	200	190
F.O. TEMP. IN SETTLING TANKS	85	85	85	85	85	85
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE						
FIRE ROOM TEMPERATURE		75	75	73	75	75
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	540	8	131	110		62	850	850	240
	4	1200	460	540	10	133	110		52	850	850	240
1600 TO 2000	3	1200	460	540	8	132	110		62	775	775	240
	4	1200	460	540	10	132	110		52	775	775	240
2000 TO 2400	3	1200	460	540	8	132	110		62	850	850	240
	4	1200	460	540	10	132	110		52	850	850	240
2400 TO 0400	3	1200	460	540	8	132	110		62	900	900	240
	4	1200	460	540	10	130	110		62	900	900	240
0400 TO 0800	3	1200	450	560	8	132	110		62	1100	1100	240
	4	1200	450	560	10	132	111		52	1050	1050	235
0800 TO 1200												

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	7220	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	11280		EVAPORATED OR RECEIVED	
	CONSUMED BY METER			ON HAND	
	ON HAND AT START OF DAY	4027		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	70		RECEIVED	
	REMAINING ON BOARD	3957		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		Dia 2000		
	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
		2			4

SUMMARY

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

REMARKS

1200-1600 WATCH
MACH AS BEFORE. PUT SAN. SYST BACK ON @ 1230

WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH
ROUTINE PORT WATCH
BILGES OK
MACHINERY AS BEFORE.

OILER SEEGERMAN FWT BELLA REFER GENTIL ELECT PORTER WATCH ENGR'S SIGNATURE- [illegible] 3/E

2000-2400 WATCH
ROUTINE PORT WATCH
MACHINERY AS BEFORE EXCEPT STARTED L.O CIRC THROUGH #1+2 MAIN UNITS ALSO STARTED #1+2 L.O PURIFIERS ALSO PUT STM HEAT ON #1 LUBE OIL COOLER @ 2200
BILGES AT SAFE LEVEL. WICKS IN #1+2 MAIN SHAFT PUT IN. AT 2300 AT 2310 AFTER WHEEL CHANGEOVER FROM NIGHT RELIEF MATE STARTED JACKING GEARS #1+2.
OILER SEEGERMAN FWT BELLA REFER GENTIL ELECT PORTER WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
ROUTINE PORT WATCH
MACHINERY AS BEFORE
MADE ROUTINE INSPECTION OF SPACES & MACHINERY

OILER MCREOS, FWT. LEARY, REFER HARRY, ELECT. PORTER
WATCH ENGR'S SIGNATURE- H.J. Wenels, R/E

0400-0800 WATCH
ROUTINE PORT WATCH - AS BEFORE
MADE ROUTINE INSPECTION OF SPACES & MACHINERY
PUMPED BILGES & SHAFT ALLEY

OILER MCREOS, FWT. LEARY, REFER HARRY, ELECT. PORTER
WATCH ENGR'S SIGNATURE- H.J. Wenels, R/E.

0800-1200 WATCH
MACH AS BEFORE RAISED LAC. M/N UNIT @ 0800. RULED G.L. @ STD @ 0830 SHIFTING SHIP BELLS AS PER BELLBOOK.

WATCH ENGR'S SIGNATURE- [illegible]

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen J Pope		@ Oakland			5/10-11/66

	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						
235 L.O. METER (END OF WATCH)	7720	3288	~~[illegible]~~	4170	9650	2400 c/c
F.O. CONSUMED	450	580	~~[illegible]~~		450	500
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST	148	127	127	108	105	105
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	110	110	102	99	99	98
	1ST STAGE FEED WATER HEATER	107	107	116	112	112	110
	D. C. FEED WATER HEATER	238	238	238	238	238	238
	3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES	F.O. TO BURNERS	150	150	150	190	180	150
	F. O. BACK PRESSURE						
	AIR TO FURNACE	91	98	95	90	90	91
	UPTAKE						
	MAIN STEAM	525	525	525	520	525	530
BOILER PARTICULARS – PRESSURES	SUPER HEAT	460	460	460	460	460	460
	F.D. TO BURNERS	230	230		240	230	180
	F.O. TEMP. IN SETTLING TANKS	94	86	95	90	90	85
	PORT BOILER UPTAKE						
	STBD. BOILER UPTAKE						
MISCELLANEOUS	ENGINE ROOM TEMPERATURE	85	77	77	73	72	74
	FIRE ROOM TEMPERATURE						
	NOZZLES IN USE						
	NO. OF BURNERS IN USE	2	2	2	2	2	2
	BURNER TIP SIZE	C	C	C	C	C	C
	CO_2 % PORT BOILER						
	CO_2 % STBD. BOILER						
	OIL LEVEL MAIN SUMP	Room					

GENERATORS

WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS
1200 TO 1600	3	1200	460	530	8	130	110		62	1200	1200	240
	4	1200	460	530	10	130	110		52	1200	1200	240
1600 TO 2000	3	1200	460	525	8	132	110		62	1150	1150	240
	4	1200	460	525	10	132	110		52	1150	1150	240
2000 TO 2400	3	1200	460	525	8	132	110		62	1000	1000	240
	4	1200	460	525	10	133	110		52	1000	1000	240
2400 TO 0400	3	1200	460	525	8	132	110		62	900	900	240
	4	1200	460	525	10	130	110		50	950	950	240
0400 TO 0800	3	1200	460	525	8	132	110		62	950	950	240
	4	1200	460	525	10	130	110		52	900	900	240
0800 TO 1200	3	1200	460	530	8	130	110		62	950	950	240
	4	1200	460	530	10	130	110		52	950	950	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	2400	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	7220		EVAPORATED OR RECEIVED	
	CONSUMED BY METER			ON HAND	
	ON HAND AT START OF DAY	3957		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	45.00
	EXPENDED DURING DAY	68		RECEIVED	
	REMAINING ON BOARD	3889		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		DIE 2000		
	ON HAND				
	CONSUMED				

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

L.O. CENTRIFUGE - HOURS OPERATED

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

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

M/ACH AS BEFORE. M/AN UNIT ON JACK GEAR L.O. & PURIFIER ON

POT WATER M/CTGR - 04852/1 WATCH ENGR'S SIGNATURE- W. Brainerd

1600-2000 WATCH

ROUTINE PORT WATCH

BILGES AT SAFE LEVEL.

ROUTINE INSPECTIONS OF MAIN + AUX MACH. SPACE MADE AT REGULAR INTERVALS. VENTED DRUM VENT #1 BOILER & R.O.

CHANGED TO STBD OUTBOARD L.O. SETTLER.

BLEEDER. GENTL.

OILER SEEGERMAN FIRE PARKER KELLY-FARLFARMER WATCH ENGR'S SIGNATURE- W. [illegible]

2000-2400 WATCH

SECURED #1 M. UNIT JACKING GEAR + L.O. SERVICE PUMP NOTE LOW L.O. PRESS ALARM DID NOT WORK. @2130. AT 2220 CHANGED TO #1 FIRE PUMP. #2 HAS SHOT BEARINGS. NOISE IN SAME STARTED BETWEEN 2150 + 2220. AT 2300 SECURED #1 M. CIRC PUMP.

WATCH AS BEFORE. WATCH ENGR'S SIGNATURE- W. [illegible]

2400-0400 WATCH

MACH. AS BEFORE. ROUTINE INSPECTION OF MACH SPACES.

BILGES AT SAFE LEVELS. COMBUSTION CONTROL ON MANUAL.

ELECTRICIAN-LEVINER REEFER: HARDY

~~OILER~~ FIREMAN - LEARY OILER - MCGREDS WATCH ENGR'S SIGNATURE- C.R. Spector R/E

0400-0800 WATCH

SECURED JACKING GEAR, L.O. CIRCULATOR AND MAIN CIRCULATOR AT 0410.

SECURED L.O. PURIFIER @ 0412 ROUTINE INSPECTION OF MACH SPACES. BILGES O.K.

WATCH AS BEFORE. WATCH ENGR'S SIGNATURE- C.R. Spector R/E

0800-1200 WATCH

M/ACH AS BEFORE. STARTED M/UF EVAP ON POT. WATER.

WATCH ENGR'S SIGNATURE- W. Brainerd

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- M.E. Johnson

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Pope		at Oakland Dock	+ Warehouse Pier 7		5-11/12/66

	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						
240 F.O. METER (END OF WATCH)	0510	0910	1280	1680	2120	2530
F.O. CONSUMED	510	400	370	400	440	410
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN		62	62			
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	102	100	96	94	98	98
1ST STAGE FEED WATER HEATER	140	146	190	138	136	136
D. C. FEED WATER HEATER	236	239	234	234	232	234
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE	97	97	99	88	86	88
UPTAKE						
MAIN STEAM	~~530~~ 535	530	520	520	530	530
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	460	460	460
F.O. TO BURNERS	190	175	160	190	~~190~~ 205	180
F.O. TEMP. IN SETTLING TANKS	86	85	85	80	88	98
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	81	78	75	72	72	74
FIRE ROOM TEMPERATURE						
NOZZLES IN USE	2	2	2	2	2	2
NO. OF BURNERS IN USE	C	C	C	C	C	C
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	3	1200	460	530	8	130	110		62	1050	1050	240
	4	1200	460	530	10	132	110		52	1050	1050	240
1600 TO 2000	3	1200	460	530	8	133	110		62	900	900	240
	4	1200	460	530	10	132	110		52	900	900	240
2000 TO 2400	3	1200	460	520	8	132	110		62	800	800	240
	4	1200	460	520	10	132	110		52	900	900	240
2400 TO 0400	3	1200	460	520	8	132	110		60	850	850	240
	4	1200	460	520	10	130	110		52	900	900	240
0400 TO 0800	3	1200	460	530	8	132	110		60	900	900	240
	4	1200	460	530	10	132	110		50	900	900	240
0800 TO 1200	3	1200	460	530	8	130	114		62	950	950	240
	4	1200	460	530	10	133	117		52	950	950	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	2530	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	0610		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	2520		ON HAND	
	ON HAND AT START OF DAY	3889		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	60		RECEIVED	
	REMAINING ON BOARD	3829		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1600		CONSUMED	
	EVAPORATED OR RECEIVED		Dia 2000		
	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
11 | ACH | AS BEFORE. PUMPED DOWN L.O. SUMP TO GRAVITY TK.

WATCH ENGR'S SIGNATURE- W. Brainerd

1600-2000 WATCH
ROUTINE PORT WATCH
MACHINERY AS BEFORE
BILGES AT SAFE LEVEL

OILER SEEGMAN FWT PERRY REILLY, LINTELL CHIEF JENKINS

WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
ROUTINE PORT WATCH
MACHINERY AS BEFORE.
BILGES OK
ROUTINE INSPECTIONS OF MAIN + AUX MACH SPACES MADE AT REGULAR INTERVALS.

WATCH AS BEFORE

WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
MACHINERY AS BEFORE. ROUTINE INSPECTION OF MACH. SPACES.
BILGES AT SAFE LEVELS

OILER - MCREDS, FWT - LEARY, ELECTRICIAN CALL - JENKINS.

WATCH ENGR'S SIGNATURE- C.R. Specter R/E

0400-0800 WATCH
MACHINERY AS BEFORE. PUMPED BILGES IN #1 & 2 ENG. ROOMS AND SHAFT ALLEY.

WATCH AS BEFORE

WATCH ENGR'S SIGNATURE- C.R. Specter R/E

0800-1200 WATCH
MACH AS BEFORE

WATCH ENGR'S SIGNATURE- W. Brainerd

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
BEN J. POPE		@ OAKLAND			5-12/13-66

	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						
24 F.O. METER (END OF WATCH)	2940	3410	3840	4280	4760	
F.O. CONSUMED	410	470	430	440	480	
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	98	98	99	100	102	100
1ST STAGE FEED WATER HEATER	135	135	145	145	145	145
D. C. FEED WATER HEATER	234	234	234	235	236	234
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE	96	90	90	88	88	87
UPTAKE						
MAIN STEAM	520	520	530	520	520	520
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	460	460	460
F.O. TO BURNERS	160	200	180	200	220	180
F.O. TEMP. IN SETTLING TANKS	98	100	100	95	95	98
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	80	76	73	72	72	71
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	520	8	130	114		62	850	850	240
	4	1200	460	520	10	133	117		52	850	850	240
1600 TO 2000	3	1200	460	520	8	132	110		62	850	850	240
	4	1200	460	520	10	132	110		52	900	900	240
2000 TO 2400	3	1200	460	520	8	132	110		62	800	850	240
	4	1200	460	520	10	132	110		52	800	800	240
2400 TO 0400	3	1200	460	520	8	132	110		62	800	800	240
	4	1200	460	520	10	130	110		50	850	850	240
0400 TO 0800	3	1200	460	520	8	132	110		60	825	825	240
	4	1200	460	520	10	130	110		51	850	850	240
0800 TO 1200	3	1200	460	520	8	130	111		60	850	850	240
	4	1200	460	520	10	135	112		52	850	850	240

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	2520		ON HAND	
	ON HAND AT START OF DAY	8829		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	66		RECEIVED	
	REMAINING ON BOARD	3769		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		DIE 2000		
	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
W/ACH AS BEFORE. CHANGED & CLEANED FO. DISCH STRNRS.
STARTED #4 M/N FD PUMP.

WATCH ENGR'S SIGNATURE- [signature]

1600-2000 WATCH
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL
MACHINERY AS BEFORE.

OILER SEETERMAN FWT BERLA LIALT BROOKS REEFER GENTIL WATCH ENGR'S SIGNATURE- [signature]

2000-2400 WATCH
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL

WATCH AS ABOVE WATCH ENGR'S SIGNATURE- [signature]

2400-0400 WATCH
ROUTINE INSPECTION OF MACH. SPACES. BILGES AT SAFE LEVELS. UNABLE TO BLOW TUBES DUE TO UNFAVORABLE WIND CONDITIONS.

OILER - MCGREGS, FWT - LEARY, ELECT - BROOKS, REEFER - HANDY WATCH ENGR'S SIGNATURE- C.R. Specter R/E

0400-0800 WATCH
MACHINERY AS BEFORE. STARTED BLOWING TUBES ON #4 BOILER @ 0515. COMPLETED BLOWING TUBES @ 0535. BILGES AT SAFE LEVELS

WATCH AS ABOVE WATCH ENGR'S SIGNATURE- C.R. Specter R/E

0800-1200 WATCH
W/ACH AS BEFORE. CHANGED & CLEANED BOTH BURNERS.

WATCH ENGR'S SIGNATURE- [signature]

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [signature]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
					5/13-14/66

	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)	5530	6020	6420	6820	7260	7700
F.O. CONSUMED		490	400	400	340	440
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	135	135	135	135	135	135
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN				61		
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	102	100	99	100	99	100
1ST STAGE FEED WATER HEATER	145	120	155	156	155	155
D. C. FEED WATER HEATER	234	234	234	234	236	236
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE	4					
AIR TO FURNACE	98	92	91	91	91	
UPTAKE						
MAIN STEAM	520	520	520	520	520	520
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	460	460	460
F.O. TO BURNERS	125	170	160	160	160	
F.O. TEMP. IN SETTLING TANKS	98	98	98	80	80	80
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	77	75	75	80	80	80
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	520	8	130	110		62	900	900	240
	4	1200	460	520	10	135	112		52	900	900	240
1600 TO 2000	3	1200	460	520	8	130	110		62	750	750	240
	4	1200	460	520	10	130	110		52	750	750	240
2000 TO 2400	3	1200	460	520	8	131	110		62	800	800	240
	4	1200	460	520	10	132	110		52	700	700	240
2400 TO 0400	3	1200	460	520		130	110		62	700	700	240
	4	1200	460	520		132	110		52	700	700	240
0400 TO 0800	3	1200	460	520		132	110		62	750	750	240
	4	1200	460	520		135	110		52	750	750	240
0800 TO 1200	3	1200	460	520		132	110		62	800	800	240
	4	1200	460	520		135	110		52	800	800	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	7700	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON			EVAPORATED OR RECEIVED	
	CONSUMED BY METER	2520		ON HAND	
	ON HAND AT START OF DAY	3769		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	61		RECEIVED	
	REMAINING ON BOARD	3708		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		Die 2000		
	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
W/ACH AS BEFORE CHANGED & CLEANED F.O. DISCH STRNR
AT APPROX 1430 W/R. LEGGETT 3A/E RECEIVED BURN ON HAND FROM CUTTING
TORCH. HE WENT TO SHIP'S HOSPITAL FOR ATTENTION.

WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH
MACHINERY AS BEFORE
BILGES AT SAFE LEVEL
ROUTINE PORT WATCH

OILER SEEMAN FWT BELLA ELECT PORTER REFER GENTIL WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
MACHINERY AS BEFORE
BILGES AT SAFE LEVEL
ROUTINE PORT WATCH

OILER SEEMAN FWT BELLA ELECT PORTER REFER GINTIL WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
MACHINERY AS before
BLEW TUBES ON #4 BOILER B/P of Bridge.

OILER-MGRESS FWT-LEARY ELECT-~~LEVINER~~ PORTER REFER-HARDY WATCH ENGR'S SIGNATURE- William H. Leggett

0400-0800 WATCH
ROUTINE WATCH AS before.

OILER-MGRESS FWT-LEARY REFER-HARDY ELECT-PORTER WATCH ENGR'S SIGNATURE- William H. Leggett

0800-1200 WATCH
ROUTINE PORT WATCH AS before.

OILER-HARDING FWT-HOTTON ELECT-~~PORTER~~ LEVINER REFER-HARDY WATCH ENGR'S SIGNATURE- William H. Leggett

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Pope		AF Oakland Dock	Warehouse Pier 4		5/14-15/66

	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) 240	800	8540	8970	9360	9800	10250
F.O. CONSUMED	400	440	430	390	440	450
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN				62		
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	102	100	100	100	100	100
1ST STAGE FEED WATER HEATER	155	156	156	153	160	160
D. C. FEED WATER HEATER	232	230	230	232	232	232
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE						
UPTAKE						
MAIN STEAM	520	520	520	520	520	520
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	460	460	460
F.O. TO BURNERS	165	150	150	150	170	170
F.O. TEMP. IN SETTLING TANKS	84	85	85	90	90	90
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	80	77	75	77	78	74
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	520	8	133	115		62	750	750	240
	4	1200	460	520	10	134	110		52	850	850	240
1600 TO 2000	3	1200	460	520	8	131	110		62	750	750	240
	4	1200	460	520	10	133	107		52	850	850	240
2000 TO 2400	3	1200	460	520	8	131	110		62	800	800	240
	4	1200	460	520	10	133	107		52	800	800	240
2400 TO 0400	3	1200	460	520	8	132	110		62	800	800	240
	4	1200	460	520	10	135	110		52	800	800	240
0400 TO 0800	3	1200	460	520	8	132	110		62	800	800	240
	4	1200	460	520	10	135	110		52	800	800	240
0800 TO 1200	3	1200	460	520	8	131	110		62	800	800	240
	4	1200	460	520	10	132	108		52	800	800	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	0250	BOILER WATER	ON HAND AT START OF DAY	
	METER PREVIOUS NOON	7700		EVAPORATED OR RECEIVED	
	CONSUMED BY METER	2520		ON HAND	
	ON HAND AT START OF DAY	3780		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4500
	EXPENDED DURING DAY	60		RECEIVED	
	REMAINING ON BOARD	3720		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED			Dia 2000	
	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
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL
ROUTINE INSPECTIONS OF AUX & MAIN SPACES MADE AT REGULAR INTERVALS

ELECT LEVINE OILER HARDING FWT HUTTON REFER HARDY WATCH ENGR'S SIGNATURE- [illegible]

1600-2000 WATCH
ROUTINE PORT WATCH
BILGES OK
ROUTINE INSPECTIONS OF AUX & MAIN MACH SPACES MADE AT REGULAR INTERVALS

ELECT. LEVINE OILER SEGERSTEN FWT BELLS REFER SMITH WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
ROUTINE PORT WATCH
BILGES KEPT TO SAFE LEVEL

WATCH AS BEFORE WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
ROUTINE PORT WATCH AS BEFORE.

OILER-MORESS FWT-LEARY REFER-HARDY ELECT.-LEVINER WATCH ENGR'S SIGNATURE- William H. Leggett

0400-0800 WATCH
SAME AS BEFORE

OILER-MORESS FWT-LEARY REFER-HARDY ELECT-LEVINER WATCH ENGR'S SIGNATURE- William H. Leggett

0800-1200 WATCH
SAME AS BEFORE.

OILER-HARDING FWT-HUTTON REFER-HARDY ELECT.-JENKINS WATCH ENGR'S SIGNATURE- William H. Leggett

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE [illegible]

USNS Pope | VOYAGE NO. | FROM Oakland Dock & | TO Warehouse | TYPE OF VESSEL | DATE 5/15-16/66

	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)	~~1440~~	1110	1540	2000	2420	
F.O. CONSUMED	241 660 410	~~440~~ 450	~~1090~~ 430	460	420	

MACHINERY PARTICULARS

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
PRESSURES	THROTTLE						
	H.P. AHEAD						
	L.P. AHEAD						
	VACUUM						
	L.O. TO TURBINES						
	AUX. STEAM	130	130	130	130	130	130
	BACK PRESSURE	10	10	10	11	10	10
	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						

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						
	FORWARD L. P. ROTOR BEARING						
	AFT. L.P. ROTOR BEARING						
	HOTTEST GEAR BEARING FORWARD						
	HOTTEST GEAR BEARING AFT						
	AUX. COND. CONDENSATE	102	102	101	101	104	104
	1ST STAGE FEED WATER HEATER	155	156	156	154	157	157
	D. C. FEED WATER HEATER	234	234	232	232	234	236
	3RD STAGE FEED WATER HEATER						

BOILER PARTICULARS

		WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
TEMPERATURES	F.O. TO BURNERS	150	150	150	150	150	150
	F. O. BACK PRESSURE						
	AIR TO FURNACE	92	90	89	92	92	93
	UPTAKE						
	MAIN STEAM	520	520	530	530	530	525
PRESSURES	SUPER HEAT	460	460	460	460	460	460
	F.O. TO BURNERS	160	160	160	170	180	180
	F.O. TEMP. IN SETTLING TANKS	90	90	90	80	80	80
	PORT BOILER UPTAKE						
	STBD. BOILER UPTAKE						

MISCELLANEOUS

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
ENGINE ROOM TEMPERATURE	75	74	74	80	80	80
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	525	8	131	110		62	750	750	240
	4	1200	460	525	10	133	107		52	850	850	240
1600 TO 2000	3	1200	460	520	8	132	110		62	750	750	240
	4	1200	460	520	10	133	107		52	850	850	240
2000 TO 2400	3	1200	460	530	8	132	110		62	750	750	240
	4	1200	460	530	10	133	107		52	850	850	240
2400 TO 0400	3	1200	460	530	8	132	110		60	850	850	240
	4	1200	460	530	10	135	110		52	800	800	240
0400 TO 0800	3	1200	460	530	8	132	110		60	850	850	240
	4	1200	460	530	10	135	110		52	825	825	240
0800 TO 1200	3	1200	460	530	8	132	110		60	850	850	240
	4	1200	460	530	10	134	110		52	850	850	240

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	3750		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	60		RECEIVED	
	REMAINING ON BOARD	3600		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		Dia. 2000		
	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

ROUTINE PORT WATCH. DUE TO COMPARTMENTS FROM BRIDGE TOOK FRESH WATER ON TO TRIM SHIP. PUT SAME IN #3 STBD. DEEP TK. 1330 TO 1410

BILGES AT SAFE LEVEL.

BLOW DOWN M.O. EVAP.

OILER. HARDING FWT HUTTON REEFER HARDY ELECT JENKINS WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

ROUTINE INSPECTIONS OF AUX & MAIN MACH. SPACE.

CHANGED TO STBD OUTBOARD F.O SETTLER @ 1930

BILGES OK.

PORT & STBD #1 DEEP FEED WATER TANKS NOW EQUALIZED AT ABOUT 14' EACH BOTH SUCTION VALVES ARE NOW OPEN

OILER SEGREDO FWT BEAM REEFER HUTTIL ELEC JENKINS WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

BILGES AT SAFE LEVEL

MACHINERY AS BEFORE.

WATCH AS BEFORE WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

MACHINERY AS BEFORE. ROUTINE INSPECTION OF MAIN & AUX MACH. SPACES STARTED

BLOWING TUBES ON #4 BOILER @ 0350. COMPLETED BLOWING TUBES AT 0400.

BILGES AT SAFE LEVELS. #4 BOILER LOW WATER GLASS LEAKING. - SECURED SHUT-OFF VALVES TO GLASS.

OILER-MGREDS, FWT-LEARY, REEFER HARDY, ELEC JENKINS WATCH ENGR'S SIGNATURE- C.R. Spector LTJG

0400-0800 WATCH

MACH. AS BEFORE. BILGES AT SAFE LEVELS.

WATCH AS BEFORE WATCH ENGR'S SIGNATURE- C.R. Spector LTJG

0800-1200 WATCH

MACH AS BEFORE.

WATCH ENGR'S SIGNATURE- W. Bennington

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Pope		@ OAKLAND			5-/16-17/66

	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)	3250	3640	4050			5340
F.O. CONSUMED		390	410	370		
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	125	125	130
BACK PRESSURE	10	10.5	10.5	10.5	10.5	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE		102	100	100	100	110
1ST STAGE FEED WATER HEATER		146	146	148	148	142
D. C. FEED WATER HEATER		232	232	232	234	237
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS		150	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE		93	91			92
UPTAKE						
MAIN STEAM		520	520	520	520	525
BOILER PARTICULARS – PRESSURES – SUPER HEAT		460	440	460	460	460
F.O. TO BURNERS		140	140	140	160	150
F.O. TEMP. IN SETTLING TANKS		80	80	85	85	85
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE		75	73	69	69	81
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE		2	2	2	2	2
BURNER TIP SIZE		C	C	C	C	C
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	3	1200	160	525	8	130	110		62	900	900	240
	4	1200	160	525	10	132	110		52	900	900	240
1600 TO 2000	3	1200	520	520	8	131	110		62	875	875	240
	4	1200	520	520	10	132	110		52	875	875	240
2000 TO 2400	3	1200		520	8	131	110		62			240
	4	1200		520	10	132	110		52			240
2400 TO 0400	3	1200		520	8	132	110		62	750	750	240
	4	1200		520	10	135	110		52	750	750	240
0400 TO 0800	3	1200		520	8	130	110		62	850	850	240
	4	1200		520	10	130	110		52	850	850	240
0800 TO 1200	3	1200	160	520	8	130	110		62	850	850	240
	4	1200	160	520	10	132	110		50	850	850	240

FUEL - WATER AND LUBE OIL

FUEL OIL	METER AT NOON	
	METER PREVIOUS NOON	
	CONSUMED BY METER	2352
	ON HAND AT START OF DAY	3600
	RECEIVED DURING DAY	
	EXPENDED DURING DAY	50
	REMAINING ON BOARD	3604
DOMESTIC WATER	ON HAND AT START OF DAY	1400
	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	4300
	RECEIVED	
	ON HAND	
	CONSUMED	

DIE. 2000

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- W L Brassington

1600-2000 WATCH

Routine Port Watch

Bilges At Safe Level.

Routine inspections of Aux & Main Mach Spaces Made At Regular Intervals.

Oiler Seegarman Fwt. Diersfield Brooks Reefer Gentil WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH

Routine Port Watch

Machinery As Before

Bilges At Safe Level

Oiler Seegarman Fwt Diersfield Brooks Reefer Gentil WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH

Routine port watch Bilges @ safe level. Mchy. insps. made.

Oiler Mgreos 2WT Leary PFOM 2414420
Reefer Hardy, Elec. Brooks, WATCH ENGR'S SIGNATURE- Resp Michael B. Rudge

0400-0800 WATCH

Plant same as before

Oiler Mgreos 2WT Leary
Reefer Hardy Elect Brooks WATCH ENGR'S SIGNATURE- Resp Michael B. Rudge

0800-1200 WATCH

M/ACH AS BEFORE.

WATCH ENGR'S SIGNATURE- W L Brassington

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- M E Johnson

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Lou J Pope		@ OAKLAND			5/17-18/66

	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			6640	7010		
24 F.O. METER (END OF WATCH)	5740	6[illegible]0	~~7070~~	~~7440~~	7740	7850
F.O. CONSUMED	400	440	460	370	430	410
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	125	125	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	110	104	106	108	104	104
1ST STAGE FEED WATER HEATER	140	146	144	137	140	150
D. C. FEED WATER HEATER	234	232	230	232	232	232
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	152	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE	92	91	93	92	92	92
UPTAKE						
MAIN STEAM	530	525	525	520	520	530
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	445	445	460
F.O. TO BURNERS	180	160	150	150	150	160
F.O. TEMP. IN SETTLING TANKS	85	85	85	90	90	88
PORT BOILER-UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	86	78	71	69	69	74
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	530	8	132	110		62	900	900	240
	4	1200	460	530	10	131	113		51	900	900	240
1600 TO 2000	3	1200	460	525	8	130	110		62	850	850	240
	4	1200	460	525	10	134	113		51	850	850	240
2000 TO 2400	3	1200	460	525	8	131	110		62	850	850	240
	4	1200	460	525	10	132	107		51	850	850	240
2400 TO 0400	3	1200	450	520	8	132	110		62	850	850	235
	4	1200	450	520	10	135	110		51	850	850	235
0400 TO 0800	3	1200	450	520	8	132	110		62	850	850	235
	4	1200	450	520	10	135	110		51	850	850	235
0800 TO 1200	3	1200	460	530	8	132	110		62	900	900	240
	4	1200	460	530	10	135	110		51	900	900	240

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	2478		ON HAND	
	ON HAND AT START OF DAY	3604		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	59		RECEIVED	
	REMAINING ON BOARD	3545		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		DIE. 3000		
	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
MACH AS BEFORE.

WATCH ENGR'S SIGNATURE- L J Beaudoin

1600-2000 WATCH
ROUTINE PORT WATCH
BILGES OK
MACHINERY AS BEFORE.

OILER SEEGURMAN FWT DIERS REFER GENTILELLI. PORTER WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
ROUTINE PORT WATCH
BILGES & SAFE LEVEL PFOM 2416640
MACHINERY AS BEFORE
FOR THE 6TH TIME THIS MONTH (3 THE LAST 3 WORKING DAYS) FOUND BY PASS OPEN
ON STEAM TRAP FOR TOPSIDE HEATING STEAM RETURN, THIS BLOWS ATMOS DR TK
OVER & RESULTS IN A LOSS OF FEED OUT OF SYSTEM
OILER SEEGURMAN FWT DIERS REFER GENTILELLI PORTER WATCH ENGR'S SIGNATURE- [illegible]

2400-0400 WATCH
Routine port watch. Loss of vacuume
Same as before w/ drain th.

Oiler Mgnos PFOM 2417010
2WT Leary
Refer Hardy
Rsp. Michael D. Rudge R/E WATCH ENGR'S SIGNATURE-

0400-0800 WATCH
Routine port watch, loss of vacuume. Pumped
all bilges @ beginning o' watch.
2WT Leary
Oiler Mgreos PFOM 2417440
Refer Hardy
Rsp. Michael D. Rudge R/E WATCH ENGR'S SIGNATURE-

0800-1200 WATCH
MACH AS BEFORE. CHANGED TO STBD INBD SEAT @ 0810

WATCH ENGR'S SIGNATURE- L J Beaudoin

CHIEF ENGINEER
43
P 7.59
M 14.02
Cch 4.97
Pd 30
SD 14

CHIEF ENGR'S SIGNATURE [illegible]

USNS	VOYAGE NO.	FROM	TO	TYPE OF VESSEL	DATE
Gen. J. Pope		@ Oakland			18-19 May 66

	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						
24 F.O. METER (END OF WATCH)	8300	8700	9120	9540	9950	03/0
F.O. CONSUMED		400	420	420	410	420
MACHINERY PARTICULARS – PRESSURES – THROTTLE						
H.P. AHEAD						
L.P. AHEAD						
VACUUM						
L.O. TO TURBINES						
AUX. STEAM	130	130	130	130	130	130
BACK PRESSURE	10	10	10	10	10	10
GLAND STEAM						
H.P. BLEEDER						
I.P. BLEEDER						
L.P. BLEEDER						
MACHINERY PARTICULARS – TEMPERATURES – STEAM AT THROTTLE						
L.P. EXHAUST						
CONDENSATE						
CIRC. WATER IN						
CIRC. WATER OUT						
L.O. TO COOLERS						
L.O. FROM COOLERS						
TEMPERATURE THRUST BEARING						
FORWARD H.P. ROTOR BEARING						

	WATCH 1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
MACHINERY PARTICULARS (CONT'D) – TEMPERATURES (CONT'D) – AFT. H. P. ROTOR BEARING						
FORWARD L. P. ROTOR BEARING						
AFT. L.P. ROTOR BEARING						
HOTTEST GEAR BEARING FORWARD						
HOTTEST GEAR BEARING AFT						
AUX. COND. CONDENSATE	104	101	101	108	106	106
1ST STAGE FEED WATER HEATER	150	149	149	151	154	154
D. C. FEED WATER HEATER	232	230	230	232	232	234
3RD STAGE FEED WATER HEATER						
BOILER PARTICULARS – TEMPERATURES – F.O. TO BURNERS	150	150	150	150	150	150
F. O. BACK PRESSURE						
AIR TO FURNACE	93	92	91	91	91	92
UPTAKE						
MAIN STEAM	530	525	520	525	525	520
BOILER PARTICULARS – PRESSURES – SUPER HEAT	460	460	460	460	460	460
F.O. TO BURNERS	165	150	140	160	165	170
F.O. TEMP. IN SETTLING TANKS	88	85	85	85	85	85
PORT BOILER UPTAKE						
STBD. BOILER UPTAKE						
MISCELLANEOUS – ENGINE ROOM TEMPERATURE	79	75	70	70	68	68
FIRE ROOM TEMPERATURE						
NOZZLES IN USE						
NO. OF BURNERS IN USE	2	2	2	2	2	2
BURNER TIP SIZE	C	C	C	C	C	C
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	3	1200	460	530	8	132	111		62	750	750	240
	4	1200	460	530	10	135	110		51	750	750	240
1600 TO 2000	3	1200	460	525	8	132	110		62	750	750	240
	4	1200	460	525	10	135	110		51	750	750	240
2000 TO 2400	3	1200	460	520	8	132	109		62	750	750	240
	4	1200	460	520	10	135	110		51	750	750	240
2400 TO 0400	3	1200	460	525	8	132	110		62	750	750	240
	4	1200	460	525	10	135	110		50	750	750	240
0400 TO 0800	3	1200	460	525	8	132	110		62	800	800	240
	4	1200	460	525	10	135	110		51	800	800	240
0800 TO 1200	3	1200	460	520	8	132	110		62	800	800	240
	4	1200	460	520	10	135	110		51	800	800	240

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	3352		ON HAND	
	ON HAND AT START OF DAY	3325		CONSUMED	
	RECEIVED DURING DAY		LUBE OIL	ON HAND AT START OF DAY	4200
	EXPENDED DURING DAY	56		RECEIVED	
	REMAINING ON BOARD	3469		ON HAND	
DOMESTIC WATER	ON HAND AT START OF DAY	1400		CONSUMED	
	EVAPORATED OR RECEIVED		DIE 2000		
	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
MACH AS BEFORE.

WATCH ENGR'S SIGNATURE- W T Bassingthwaite

1600-2000 WATCH
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL
MACHINERY AS BEFORE.

OILER SEEGERMAN FWT PIERS ELECT LEVINER REEFER GENTIL WATCH ENGR'S SIGNATURE- [illegible]

2000-2400 WATCH
ROUTINE PORT WATCH
BILGES AT SAFE LEVEL
MACHINERY AS BEFORE.

REEFER GENTIL

OILER SEEGERMAN FWT DIAMANTOPOULOS LEVINER WATCH ENGR'S SIGNATURE- [illegible] R/E

2400-0400 WATCH

ROUTINE INSPECTION OF MAIN & AUX MACH. SPACES. MACHINERY IN OPERATION AS BEFORE.
SECURED PERMISSION AND BLEW TUBES ON #4 BOILER AT 0340. BILGES AT SAFE LEVELS.

OILER- MKAREOS. FWT- LEARY REEFER- HARDY. ELECT LEVINER WATCH ENGR'S SIGNATURE- C. R. Specter R/E

0400-0800 WATCH

MACHINERY AS BEFORE. ROUTINE PORT WATCH. BILGES AT SAFE LEVELS.

WATCH AS BEFORE WATCH ENGR'S SIGNATURE- C. R. Specter R/E

0800-1200 WATCH
MACH AS BEFORE

WATCH ENGR'S SIGNATURE- W T Bassingthwaite

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE- [illegible]