

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					90	240	MACHINERY PARTICULARS (CONT'D)					141	135
DETENTION TIME												140	130
REVOLUTION COUNTER (END OF WATCH)					234 6750	0736 9050						137	131
TOTAL REVOLUTIONS (FOR WATCH)					234 6750	0736 22300						160	160
AVERAGE RPM					85.7	92.9						155	144
F.O. METER (END OF WATCH)	3448 300	48880	8449 466	8450 150	51580	8454 320						108 102	110 110
F.O. CONSUMED	560	580	580	690	1430	2740						160	162
PRESSURES	THROTTLE					440						240	240
	H.P. AHEAD					420						240	240
	L.P. AHEAD					23						41	41
	VACUUM	25 ²⁸ 28	28 ²⁸ 28	28 ²⁸ 28	28 ²⁸ 28	28 ²⁸ 28						41	41
	L.O. TO TURBINES	14	14	14	14	14						185	185
	AUX. STEAM	150	150	150	150	150						128	128
	BACK PRESSURE	9	9	9	9	9						126	122
	GLAND STEAM	3	3	3	3	1.0						137	137
	H.P. BLEEDER											340	325
	I.P. BLEEDER					6						310	290
TEMPERATURES	L.P. BLEEDER					10	BOILER PARTICULARS					730	730
	STEAM AT THROTTLE					700						440	440
	L.P. EXHAUST	153	135 ¹¹² 113	132 ¹⁰⁸ 110	132	114						440	440
	CONDENSATE	126	96	97	98	100						130	130
	CIRC. WATER IN	90	90	88	90	89						200	200
	CIRC. WATER OUT	90	90	88	88	98						130	130
	L.O. TO COOLERS	112	112	112	112	124						96	96
	L.O. FROM COOLERS	110	110	110	110	109						108	108
	TEMPERATURE THRUST BEARING					125						100	100
	FORWARD H.P. ROTOR BEARING					130						6	6
TEMPERATURES							MISCELLANEOUS					4.2	4.2
												100	100
												100	100
												16	16
												2	2
												53/60	53/60
												53/60	53/60
												13	13
												12.5	12.5
												N	N

GENERATORS													FUEL - WATER AND LUBE OIL						
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		
1200 TO 1600	1	1200	440		9	124	116		62	650	650	240	METER AT NOON	38.760	ON HAND AT START OF DAY	117			
													METER PREVIOUS NOON	25.640	EVAPORATED OR RECEIVED	40			
1600 TO 2000	2	1200	440		7	147	134		72	650	650	240	CONSUMED BY METER	13.120	ON HAND	117			
	1	1200	440		9	125	115		62	600	600	240	ON HAND AT START OF DAY	58.54	CONSUMED	40			
													RECEIVED DURING DAY	—	ON HAND AT START OF DAY				
													EXPENDED DURING DAY	312	RECEIVED				
2000 TO 2400	2	1200	440		7	147	134		72	600	600	240	REMAINING ON BOARD	55.42	ON HAND				
	1	1200	440		9	125	114		62	650	650	240	ON HAND AT START OF DAY	1000	CONSUMED				
													EVAPORATED OR RECEIVED	96					
2400 TO 0400	2	1200	440		7	147	134		72	600	600	240	ON HAND	964					
	1	1200	440		9	125	114		62	650	650	240	CONSUMED	132					
0400 TO 0800	2	1200	440		7	144	132		70	650	650	240	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)						
	1	1200	440		9	123	114		62	650	650	240	1/4 4hrs. 4hrs. 12/4 142 4hrs.						
0800 TO 1200	2	1200	440		7	145	132		72	600	600	240	L.O. CENTRIFUGE - HOURS OPERATED						
	1	1200	440		9	123	114		62	600	600	240	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
	2	1200	440		7	145	132		72	600	600	240		4	4	4 hrs	4	4	
	1	1200	440		9	123	114		62	600	600	240	SUMMARY						
	2	1200	440		7	146	133		72	600	600	240	RUNNING TIME			PERCENT OF SLIP			
	1	1200	440		9	123	114		62	750	750	240	DETENTION TIME			BBL FUEL/MI			
	2	1200	440		7	146	132		72	750	750	240	TOTAL REVOLUTIONS			WIND DIRECTION			
	1	1200	440		9	123	114		62	750	750	240	AVERAGE R.P.M.			STATE OF SEA			
	2	1200	440		7	146	132		72	750	750	240	TOTAL MILES BY ENGINE			STATE OF WEATHER			
	1	1200	440		9	123	114		62	750	750	240	TOTAL MILES BY OBSERVATION						

STAY 0610 / S-CTR 02332560 / P-FOM 5879780 / DEPT. 0630 / S-CTR 02333900 / P-FOM -
TACK 02339310 / S-FOM 2570880 / TACK 02340750 / S-FOM -

REMARKS

1200-1600 WATCH

AT ANCHOR - ROUTINE PORT WATCH - FOLLOWING MACHINERY IN OPERATION - B2-G1+G2-M1
 MCI-MER-AI-ACI-AER-D2-P2-F1+F2-C1-L1-FS1-LCI-ACON-ACP-ACCW-JACKING GEAR ENGAGED
 JACKING OVER MN UNIT 1230 - CLOSED AUX STEAM EXH TO AFT ENG ROOM - 1240 CUT IN TO LB REDUCING STATION
 1245 - SPLIT PLANT, STARTED AUX COND. PUMP - START MN COND PUMP, STARTED TO BRING UP VAC ON MN UNIT
 1330 - STARTED F.D. FAN PORT BOILER PURGED FURNACE + BEGAN F.O. CIRCULATION - CUT IN PORT F.O. HEATER
 1445 - LIT OFF PORT BOILER 1/20-60 TIP - SUPER HEAT VENT OPEN TO ATMOSPHERE PORT BOILER. MAINTAINING
 ER BILGES @ SAFE LEVEL

WATCH ENGR'S SIGNATURE-

Al Kober

1600-2000 WATCH

SHIFTED DR'S. FROM 1ST STGE TO MN COND. GOT IN 1ST STGE AIR EJECT. RECIRC F.O. & LIT OFF F.O. P-OUTBO
 #2 BOILER; BLEW DOWN WATER GAGE COLUMNS, TRUE WATER LEVEL DETERMINED @ 1600' SEC.
 FIRING P. BOILER @ 1630' F.O. BURNERS & STRAINERS CLEANED; BURNER REGISTER DRAIN
 HOLES FREE; MACHINERY SPACES INSPECTED; BOILER & CONDSTE TESTS; INSTALLING
 NAME TAGS & STENCILING EQUIPMENT; VENTED #2 STM DRUM;

FW 3 1/2
 MUF 1 P/DW
 MU 0 1/2
 EVAP 3 1/2
 GALS. 5,000

2000-2400 WATCH

OILER-VALLERANO/FWT-MORIE/JANCA-PUCKETT/ELECT-POWER/REFER HARDY
 As Before, Except; changed & cleaned #1 Generator Lube oil Strainer -
 Hatch Sterilizing Lines & Machinery - Bilges @ Safe Level.

WATCH ENGR'S SIGNATURE-

W. J. P.

OUTDP. 2nd S.
 F.O. 1/2
 F.W. 3 1/2
 MUF - DOUBLE BOTTOM
 MU-U-3
 EVAP #1 3 1/2
 GALS - 5200

2400-0400 WATCH

Oiler-Bella/Finn/Hatch-Jackson Jr. Engr. Kelly
 AT ANCHOR - MACHINERY SAME AS BEFORE - COMPLYING NIGHT & STANDING ORDERS -
 BOILER FRONT AIR BOX DRAIN STB BOILER PLUGGED 1/2 TAR
 0630 LIT OFF PORT BOILER, SUP. HEAT VENT OPEN TO ATMOS. EASED MAIN + BULKHEAD STEAM STOPS PORT BOILER
 MAINTAINING ER BILGES @ SAFE LEVEL - BRINGING PORT BOILER UP SLOW - EASED ALL
 STEAM STOPS ON PORT BOILER

WATCH ENGR'S SIGNATURE-

Al Kober

0400-0800 WATCH

CONDITIONS AS BEFORE EXCEPT BLEW DOWN WATER COLUMNS P/S BOILERS, CUT IN #2 (P/L)
 BOILER @ 0415: BOILER & CONDSTE TESTS, MACHINERY SPACES INSPECTED, F.O. BURNERS
 & STRAINERS CLEANED: MN L.O. STRAINER CHECKED & CLEAN: BURNER REGISTER DRAIN HOLES
 FREE; P/S WINDOW DRAIN CLEAR: CLOCK SYNC. W/BRDG @ 0407: STBD STEERING MOTOR ENER-
 GIZED @ 0518: SCREW CLEARANCE FR/BRIDGE @ 0522: JACKING GEAR DISENGAGED & PULLING MN
 UNIT 0525: TELEG TESTED & TIME CHA @ 0536: STBY DGIO, BELLS AS PER BELL LOG DEPT. 0630 INCREASED
 SPEED TO 16 NOZ.; CLND SEAL REG SEC., SEAL LK. OFF OPEN TO MN COND.

WATCH ENGR'S SIGNATURE-

W. J. P.

0800-1200 WATCH

Machinery as Before, Except; Blew Tank #1 & #2 Boilers 0800-0815 -
 changed & cleaned Port Fuel oil Hot Strainers - changed to Inboard
 Settle @ 1130 - Pumped Eng. Spaces Bilges - Porter, Electrician, Repair
 Telephone "J" alarm -

FO - INBD.
 FW - 3 1/2
 MUF - DOUBLE BOTTOM
 MU - 6.4
 EVAP - #1 3 1/2
 GALS. - 10,600

WATCH ENGR'S SIGNATURE-

W. J. P.

CHIEF ENGINEER

KRUPP TRANS FO FROM NO. 6 TO PORT INBOARD (NO. 4 SETT)

1515 - COOLING WATER TO SPRING BEARINGS SECURED
 1535 - OPENED WATER TO SPRING BEARINGS.
 ELECT. POWER; REPORTED CARGO GEAR GYT SECURED @ 1840
 2 BOILER 1

701 P. ALK 11.68
 1110 T. ALK 16.35
 3.73 CHLO 6.21
 30 PH. 4 30
 35 SO. 3 70
 10.5 PH 10.5
 3728 WS. HRS. 3350
 1058 FS. HRS. 1040

CHIEF ENGR'S SIGNATURE-

J. O'Halloran

5879870

2570990

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	760				70	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	137	110			138
DETENTION TIME								FORWARD L. P. ROTOR BEARING	132	110			130
REVOLUTION COUNTER (END OF WATCH)						0240		AFT. L. P. ROTOR BEARING	132				131
TOTAL REVOLUTIONS (FOR WATCH)	0239 1560	2710 9227				8950		HOTTEST GEAR BEARING FORWARD	162				148
AVERAGE RPM	93.7	70				89.7		HOTTEST GEAR BEARING AFT	145				150
F.O. METER (END OF WATCH)	8456 360	58680	8459 256	8459 820	60410	8461 680		AUX. COND. CONDENSATE	5 P	110 104	105 105	102 100	98 105
F.O. CONSUMED	2040	2320	570	570	590	1270		1ST STAGE FEED WATER HEATER	160	128	108	107	208 160
MACHINERY PARTICULARS	THROTTLE	460	440			440		D. C. FEED WATER HEATER	240	240	240	240	240
	H.P. AHEAD	435	2728			420	BOILER PARTICULARS	2ND STAGE FEED WATER HEATER	41	41/7	4	41/7	4
	L.P. AHEAD	24				23		F.O. TO BURNERS	185	185	185	185	185
	VACUUM	28	28 28	28 28	28 28	28		D. BACK PRESSURE	41	0.41	4	41	4
	L.O. TO TURBINES	13.5	14	14	14	13.5		AIR TO FURNACE	148	143	139	136	135
	AUX. STEAM	150	150	150	150	150		UPTAKE	5 P	340 295	332	320	320 310
	BACK PRESSURE	9	9	9	9	9		MAIN STEAM	935				725
	GLAND STEAM	3	3	3	3	3		SUPER HEAT	480	440	440	440	440
	H.P. BLEEDER							F.O. TO BURNERS	200	140	125	125	220
	I.P. BLEEDER	7				6		F.O. TEMP. IN SETTLING TANKS	5 P	112 102	108 105	108 104	100 104
	L.P. BLEEDER	10				10	MISCELLANEOUS	PORT BOILER UPTAKE	6	2.0	2.	2	5.4
PRESSURES	STEAM AT THROTTLE	705				705		STBD. BOILER UPTAKE	5				6.2
	L.P. EXHAUST	115	170	158	150	145 102		ENGINE ROOM TEMPERATURE	100	100	100	100	100
	CONDENSATE	112	108	94	95	96		FIRE ROOM TEMPERATURE					
	CIRC. WATER IN	90	88	85	86	86		NOZZLES IN USE	16				16
	CIRC. WATER OUT	99	82	86	84	90 92		NO. OF BURNERS IN USE	6	2	2	2	6
	L.O. TO COOLERS	126	125	112	113	111		BURNER TIP SIZE	53/10	53/60	53/60	53/60	53/70
	L.O. FROM COOLERS	110	110	109	110	110		CO2 % PORT BOILER	13.5				
	TEMPERATURE THRUST BEARING	118	108			117		CO2 % STBD. BOILER	13				
	FORWARD H.P. ROTOR BEARING	132	120			125		OIL LEVEL MAIN SUMP	N	N	N	N	N

GENERATORS													FUEL - WATER AND LUBE OIL						
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL		
1200 TO 1600	1	1200	460	735	9	123	113		62	750	750	240	METER AT NOON	54.270	ON HAND AT START OF DAY	117			
													METER PREVIOUS NOON	38.760	EVAPORATED OR RECEIVED	87			
1600 TO 2000	2	1200	460	735	7	146	133		72	800	800	240	CONSUMED BY METER	15.510	ON HAND	160			
	1	1200	440		9	123	113		62	800	800	240	ON HAND AT START OF DAY	5542	CONSUMED	44			
													RECEIVED DURING DAY	-	ON HAND AT START OF DAY				
													EXPENDED DURING DAY	369	RECEIVED				
2000 TO 2400	2	1200	440		7	146	132		72	800	800	240	REMAINING ON BOARD	5173	ON HAND				
	1	1200	440		9	120	111		62	750	750	240	ON HAND AT START OF DAY	964	CONSUMED				
													EVAPORATED OR RECEIVED	141					
													ON HAND	976					
2400 TO 0400	2	1200	440		7	142	130		72	750	750	240	CONSUMED	129					
	1	1200	440		9	122	112		62	750	750	240	DOMESTIC WATER						
													LOW PRESS. EVAPORATORS	(No. of hrs. operated)	(Fresh water made gals.)				
													142 4 hrs	1-2/4 4 hrs	142 4 hrs	142/4 144 hrs			
0400 TO 0800	2	1200	440		7	143	131		72	700	700	240	L.O. CENTRIFUGE - HOURS OPERATED						
	1	1200	440		9	121	112		62	750	750	240	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						
0800 TO 1200	1	1200	440		9	123	113		62	700	700	240	RUNNING TIME		Sec	PERCENT OF SLIP			
	2												DETENTION TIME		Next	BBL FUEL/MI			
	2	1200	440		7	142	131		72	750	750	240	TOTAL REVOLUTIONS		page	WIND DIRECTION			
	1	1200	440		9	123	113		62	700	700	240	AVERAGE R.P.M.			STATE OF SEA			
													TOTAL MILES BY ENGINE			STATE OF WEATHER			
	2	1200	440		7	144	130		72	700	700	240	TOTAL MILES BY OBSERVATION						

STBY 4 1700 / S-CTR / P-F.O.M 3883510 / STBY: ON TELLG 1841 / SHARP
ARRIVAL / TACH. 02392270 / S-F.O.M 2574390 / PWE

REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1+B2-G1+G2
 M1-MC1-MER-A1-AC1-AER-D1+D2-P1+P2-F1+F2-C1-L1-FS1-LC1-A. CON. ACCP-ACCW-W1+
 COMPLYING W/ NIGHT + STANDING ORDERS - CHANGED OVER + CLEANED L.O. STRAINER MAIN
 TURBINE - PUMP BILGES - CHANGED OVER + CLEANED STBY F.O. DISCHARGE STRAINER -
 PERMISSION TO BLOW TUBES @ 1515 NOT GRANTED BY BRIDGE DUE TO DRILLS - 1517 STBY
 COLLISION DRILL ENGR'S PRESENT FOR DRILL FOX SEGERMAN - FREY - 1540 SEC. COLL. DRILL HT
 1540 - PERMISSION TO BLOW TUBES NOT GRANTED

WATCH ENGR'S SIGNATURE.

Al Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZ.: STBY YARR @ 1900; REDUCES SPEED TO MANEUVERING B/O
 BRIDGE: BELLS AS PER BELL LOG; TELE. ON STBY @ 1841 MN. STARS SECURED
 JACKING GEAR ENGAGED @ 1845; VAC. ON MN. UNIT; L.O. SYST. IN SERVICE; SECURED #1
 STOP BOILER @ 1845; F.O. BURNERS + STRAINERS CLEANED; BURNER REGISTER
 DRAIN HOLES + WINDBOX DRS FREE; MACHINERY SPACES INSPECTED; 1ST STGE HEATER
 DRS SHIFTED FR. MN. TO AUX CONDRS; 1 GAL L.O. TO #2 MN FEED PUMP

WATCH ENGR'S SIGNATURE.

Cliffrey

2000-2400 WATCH

Machinery as before, except; changed & cleaned #2 Generator Lube
 oil Strainers & J. Fry. Kelly Sterilizing J. Fry & Machinery - Rejected Main
 Astern Squelching Valve - Added Feed Water to #1 Boiler as needed -
 Bilge @ Safe Level -

WATCH ENGR'S SIGNATURE.

M. H. H.

2400-0400 WATCH

AT ANCHOR - MACHINERY AS BEFORE - COMPLYING W/ NIGHT + STAND. ORDERS
 MAINTAINING STEAM STBY BOILER - CLEANED GAUGE GLASS MAIN CONDENSOR - WORKING
 ON LEAKS AS FOLLOWS = 70 LB STATION; STBY MN FEED PUMP DISCHARGE VALVE BONNET TO B2* REPLACED
 LAGGING ON SAME - HI-PRESS STEAM STOP B2 TO AIR COND TURB - HIGH PRESS STEAM STOP B2 TO G1+G2 - REPLACED
 LAGGING @ UPPER GRATING AS WE COULD FIND IT - GLAND ON INTER STOP B2 TO MN TURBINE
 MAINTAINING BILGES @ SAFE LEVEL -

JR ENGR-HOUSER-DILER-ZIMMERMAN-FUT-DANDRIDGE

WATCH ENGR'S SIGNATURE.

Al Kober

0400-0800 WATCH

CONDITIONS AS BEFORE; F.O. STRAINERS CLEANED, BURNER REGISTER DRAIN HOLES FREE;
 MACHINERY SPACES INSPECTED; BOILER + CONDSTE TESTS; WATER GAGES GLASSES BLOWN @ 0400
 #1 MN FEED PUMP COUPLING, REMOVED GREASE + REPACHED; SIDE RODS CLEANED;
 IDENTIFICATION PLATES INSTALLED ON RESPECTIVE VALVES; BILGES IN E.R. PUMPED
 BLEW DOWN WATER GAGE GLASSES #1 BOILER & LIT OFF @ 0710; COMPLIED WITH
 DEPT. ORDERS; #1 BOILER SECURED @ 0845;

PUCKETT/VALLERAND/MORIE/HARDY

WATCH ENGR'S SIGNATURE.

Cliffrey

0800-1200 WATCH

Machinery as before, except; Blow Tank #2 Boiler 0800-0815 - @ 0825
 SET CLOCK - #1 Boiler on fire @ 0915 - Transferred Fuel oil from 6 E to
 Port Outboard & Port Inboard Lateral - Wheel clearance Mgmt Pelagoph Dist @ 0939 -
 S.B.R. @ 0945 - CTR-02395000 - P.F.M. - 5885920 - S.F.O.H. - 2574720 - Bells as per Bell Book -
 DEPT. @ 1030 - CTR-02395760 - S.F.M. - 2574800 - P.F.M. - 5886000 - Underway on 16 Nozzles -
 changed to Outboard Lateral @ 1130 - Pumped J. Fry - Spent Bilge -

WATCH ENGR'S SIGNATURE.

M. Roy

CHIEF ENGINEER

Chief Elect. Jenkins Reported all cargo stow in Satisfactory Condition 2000-2400 Watch - M. H.
 CARGO - ELECT JENKINS REPORTS NORMAL CONDITIONS

BOILER

2 1
 8.76 P. ALK 11.68
 11.68 T. ALK 15.77
 6.42 CHLO 6.21
 50 PH. 4 50
 52 SO. 3 65
 10.5 PH 10.5
 3752 WS. HRS. 35.60
 1082 FS. HRS. 10.46

CHIEF ENGR'S SIGNATURE.

J. H. H.

02399200 / P-F.O.M 5883840
 02394280 / S-F.O.M 2574650

FOOT LOG

USNS GEN. JOHN POPE VOYAGE NO. 38 FROM NHA TRANG CAM RANH BAY TO YOKOHAMA TYPE OF VESSEL P-2 DATE 28-29 JUNE 66

		WATCH								WATCH						
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200	
RUNNING TIME		240	240	240	240	240	240	MACHINERY PARTICULARS (CONT'D)	TEMPERATURES (CONT'D)	AFT. H. P. ROTOR BEARING	115	135	135	137	135	136
DETENTION TIME										FORWARD L. P. ROTOR BEARING	133	133	132	132	132	134
REVOLUTION COUNTER (END OF WATCH)		0243 1440	53880	0247 6300	0249 8700	21020	0254 3520			AFT. L.P. ROTOR BEARING	132	132	130	132	128	130
TOTAL REVOLUTIONS (FOR WATCH)		22490	22440	22420	22400	22320	22500			HOTTEST GEAR BEARING FORWARD	160	160	161	161	160	156
AVERAGE RPM		93.7	93.5	93.4	93.3	93.0	93.7			HOTTEST GEAR BEARING AFT	147	147	143	142	148	146
F.O. METER (END OF WATCH)		8464 340	66940	8469 540	8472 120	74710	8477 360			AUX. COND. CONDENSATE	112 106	98	110 115	114 106	102	110 120
F.O. CONSUMED		2680	2580	2600	2580	2590	2650			1ST STAGE FEED WATER HEATER	161	161	164	162	162	164
MACHINERY PARTICULARS		THROTTLE	450	450	445	450	440	440	D. C. FEED WATER HEATER	240	240	238	240	240	238	
		H.P. AHEAD	430	430	425	425	420	420	3RD STAGE FEED WATER HEATER	41	41.7	4	41	0.41	4	
		L.P. AHEAD	23	23	24	23	24.5	24	F.O. TO BURNERS	185	185	185	185	185	185	
		VACUUM	28	28	28"	28	28	28"	DR. BACK PRESSURE	141	0.41	4	41	0.41	4	
		L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5	13.5	AIR TO FURNACE	148	147	148	148	148	147	
		AUX. STEAM	150	150	150	150	150	150	UPTAKE	P S 320 330	315 305	335 320	335 345	340 345	310 320	
		BACK PRESSURE	9	9	9	10	9	9	MAIN STEAM	730	730	730	740	735	740	
		GLAND STEAM	3	0.5	1.5	1.5	1.5	1.5	SUPER HEAT	460	460	460	460	460	460	
		H.P. BLEEDER							F.O. TO BURNERS	210	220	215	230	225	228	
		I.P. BLEEDER	7	7	7	7	7	7	F.O. TEMP. IN SETTLING TANKS	P S 98 100	98	100 98	102 100	102 100	94 92	
L.P. BLEEDER	10	9	9	9	9	9	PORT BOILER UPTAKE	5.5	5.0	5.4	5.3	5.5	5.2			
TEMPERATURES		STEAM AT THROTTLE	705	700	705	710	705	740	STBD. BOILER UPTAKE	5.5	5.0	5.8	6.1	6.5	6.4	
		L.P. EXHAUST	116	116	117	119	120	118	ENGINE ROOM TEMPERATURE	100	105	105	105	100	105	
		CONDENSATE	117	112	116	120	117	116	FIRE ROOM TEMPERATURE							
		CIRC. WATER IN	89	88	88	90	88	90	NOZZLES IN USE	16	16	16	16	16	16	
		CIRC. WATER OUT	99	98	100	101	102	103	NO. OF BURNERS IN USE	6	6	6	6	6	6	
		L.O. TO COOLERS	126	126	126	126	125	125	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70	
		L.O. FROM COOLERS	110	110	110	110	110	109	CO ₂ % PORT BOILER	13.5	13	13	13	13.5	12.5	
		TEMPERATURE THRUST BEARING	118	118	118	118	118	115	CO ₂ % STBD. BOILER	13	12.5	13	13	13	13	
		FORWARD H.P. ROTOR BEARING	134	134	135	135	134	134	OIL LEVEL MAIN SUMP	N	N	N	N	N	N	

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	DOMESTIC WATER	LOW PRESS. 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REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACHINERY IN OPERATION B1-B2-G1-G2-M1-MC1
 A1-A2-AER-D1+D2-P1+P2-F1+F2-L1-FS1-LC1-A CON-ACCP-ACCW-W1-S2 - COMPLYING W/ NIGHT
 + STANDING ORDERS - 1310 NAVY MEDICS INSPECT ER - 1425 TOOK SUT. ON NO 3 P HOLD - CHANGED
 OVER + CLEANED STB F.O. DISCH. STRAINER - CHANGED OVER + CLEANED MN UNIT L.O. STRAINER
 1515 - BLEW TUBES W/ BRIDGE PERMISSION P/S BOILERS -

WATCH ENGR'S SIGNATURE-

Al Kober

1600-2000 WATCH

UNDERWAY ON 16 NOZ. OPERATIONS AS BEFORE F.O. BURNERS + STRAINERS CLEANED,
 BURNER REGISTER'S DRAIN HOLES W/ WIND BOX DR'S FREE; BOILER CONDSTE TESTS; WATER
 GAGE GLASSES BLOWN; MN L.O. STRAINER CHECKED + CLEAN; MACHINERY SPACES
 STEERING GEAR INSPECTED; BOILER EXT. INSP. GLAND SEAL SECURED EXCESS LEAK
 OFF OPEN; COMPLIED W/ DEPT ORDERS; MN + AUX CIRCULATORS @ MIN RHEO.:

WATCH ENGR'S SIGNATURE-

C. W. Fry

2000-2400 WATCH

Machinery as Before, Except; - changed & cleaned #1 Hunter Lube
 oil Strainers - changed & cleaned Lower Fuel oil Burners - changed to
 Inboard Settler @ 2330 - Pumped frg. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - COMPLYING W/ NIGHT + STANDING ORDERS - 0130 SEC.
 No. 1 EVAP - CHANGED + CLEANED TOP FUEL OIL BURNERS BOTH BOILERS -
 PUMPED BILGES - TIGHTENED LEAKING FLANGE 70LB. STATION - CHANGED + CLEANED
 L.O. DISCH. STRAINER

WATCH ENGR'S SIGNATURE-

Al Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES: CONDIT. AS BEFORE EXCEPT SECURED AUX AIR EJECT.
 CIRC. CONDSTE. PUMPS; BOILER CONDSTE TESTS, F.O. STRAINER CLEANED
 MN L.O. STRAINER CHECKED + CLEAN, P/S WATER GAGE GLASSES BLOWN, BOILER
 EXT. INSP. MACHINERY SPACES STEERING GEAR INSP. ADDED 1/2 GAL. L.O. TO #2
 MN. FEED PUMP; CH/ENGR IN E.R 07:00 - 07:15;

WATCH ENGR'S SIGNATURE-

C. W. Fry

0800-1200 WATCH

Machinery as Before, Except; Blew Tube #1/2 Boilers 0800-0815
 Transferred Fuel oil from 7P & 7L into Port Inboard & Port outboard Settlers -
 changed & cleaned Port fuel oil hot Strainers - Pumped frg. Space of 1P hold
 Bilges - changed to Outboard Settler @ 1130 -

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

G. KROPP, TRANS F.O. No 64 TO PORT IN. + OUT. SETT.

2 BOILER 1

793 P. ALK 11.68
 1285 T. ALK 15.77
 539 CHLO 6.21
 30 PH. 4 50
 63 SO. 3 65
 10.5 PH 10.5
 3774 WS. HRS. 3584
 1764 FS. HRS. 1070

CHIEF ENGR'S SIGNATURE-

J. O. Holloman

		WATCH								WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME		240	240	140	240		240	MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	137	135	135	136	136	137
DETENTION TIME									FORWARD L. P. ROTOR BEARING	132	131	131	132	133	133
REVOLUTION COUNTER (END OF WATCH)		0256 5980	88270	0261 0910	0263 3370	55860	0267 8460		AFT. L.P. ROTOR BEARING	132	132	130	131	131	131
TOTAL REVOLUTIONS (FOR WATCH)		22460	22290	22640	22460	22490	22600		HOTTEST GEAR BEARING FORWARD	158	158	158	157	157	157
AVERAGE RPM		93.5	92.9	94.3	93.5	93.7	94.1		HOTTEST GEAR BEARING AFT	146	146	146	147	147	147
F.O. METER (END OF WATCH)		8479 970	82620	8485 290	8487 990	90580	8493 210		AUX. COND. CONDENSATE	114 104	104	115 115	115	100	114 115
F.O. CONSUMED		2610	2650	2670	2600	2690	2630		1ST STAGE FEED WATER HEATER	162	160	164	163	160	162
MACHINERY PARTICULARS	PRESSURES	THROTTLE	445	450	445	450	450	445	D. C. FEED WATER HEATER	240	240	238	240	240	238
		H.P. AHEAD	420	435	420	425	430	425	3RD STAGE FEED WATER HEATER	.41	.41/7	.4	.41	.41/7	.4
		L.P. AHEAD	22	24	23.5	23	24	23.5	F.O. TO BURNERS	185	185	185	185	185	185
		VACUUM	28	28	28"	28	28	28"	BACK PRESSURE	0.41	.4	.4	0.41	.4	.4
		L.O. TO TURBINES	13.5	13.5	13.5	13.5	13.5	13.5	AIR TO FURNACE	147	148	148	148	146	146
		AUX. STEAM	150	150	150	150	150	150	UPTAKE	360 305	380 290	340 295	360 305	370 305	325 296
		BACK PRESSURE	9	9	9	9	9	9	MAIN STEAM	750	735	735	740	735	740
		GLAND STEAM	3	1.5	1.	2	1.5	1.5	SUPER HEAT	460	460	460	460	460	460
		H.P. BLEEDER							F.O. TO BURNERS	225	200	210	200	200	190
		I.P. BLEEDER	7	7	7	7	7	7	F.O. TEMP. IN SETTLING TANKS	108 112	108 112	112 110	112 110	108 110	96 104
TEMPERATURES	TEMPERATURES	L.P. BLEEDER	9	9	9	9	9	9	PORT BOILER UPTAKE	6.5	6.0	6.6	6	6.5	6.
		STEAM AT THROTTLE	720	705	705	710	705	705	STBD. BOILER UPTAKE	6.5	4.5	5.	5	5.5	4.8
		L.P. EXHAUST	117	117	117	117	116	116	ENGINE ROOM TEMPERATURE	105	105	105	105	100	100
		CONDENSATE	114	114	116	115	113	114	FIRE ROOM TEMPERATURE						
		CIRC. WATER IN	90	90	90	88	88	90	NOZZLES IN USE	16	16	16	16	16	16
		CIRC. WATER OUT	101	101	102	100	100	100	NO. OF BURNERS IN USE	6	6	6	6	6	6
		L.O. TO COOLERS	126	126	125	126	126	126	BURNER TIP SIZE	53/70	53/70	53/70	53/70	53/70	53/70
		L.O. FROM COOLERS	110	110	109	110	109	110	CO ₂ % PORT BOILER	13.5	13.5	13.5	13.5	13.	13.5
		TEMPERATURE THRUST BEARING	118	118	118	118	118	118	CO ₂ % STBD. BOILER	13	13.5	13.	13.	12.5	13
		FORWARD H.P. ROTOR BEARING	135	135	134	134	134	133	OIL LEVEL MAIN SUMP	N	N	N	N	N	N

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	FUEL OIL	BOILER WATER	LUBE OIL	
1200 TO 1600	1	1200	440	750	9	126	116		62	700	700	METER AT NOON	117.520	ON HAND AT START OF DAY	160
												METER PREVIOUS NOON	85.630	EVAPORATED OR RECEIVED	37
	2	1200	440	750	7	148	134		72	700	700	CONSUMED BY METER	31.890	ON HAND	155
1600 TO 2000	1	1200	450	730	9	126	116		62	700	700	ON HAND AT START OF DAY	4426	CONSUMED	42
												RECEIVED DURING DAY	1	ON HAND AT START OF DAY	
	2	1200	450	730	7	148	134		72	700	700	EXPENDED DURING DAY	759	RECEIVED	
2000 TO 2400	1	1200	445	735	9	126	116		62	700	700	REMAINING ON BOARD	3667	ON HAND	
												ON HAND AT START OF DAY	1114	CONSUMED	
	2	1200	445	735	7	148	134		72	700	700	EVAPORATED OR RECEIVED	183		
2400 TO 0400	1	1200	450	740	9	125	116		62	750	750	ON HAND	1224		
												CONSUMED	73		
0400 TO 0800	1	1200	450	730	9	125	116		62	600	600	LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)			
												1-2/4 HRS	1-2/4 HRS	1-2/4 HRS	1-2/4 HRS
	2	1200	445	735	7	148	134		70	700	700	L.O. CENTRIFUGE - HOURS OPERATED			
0800 TO 1200	1	1200	450	740	9	125	115		62	700	700	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400
												4	4	4	4
	2	1200	445	740	7	146	134		92	700	700	SUMMARY			
												RUNNING TIME	1440	PERCENT OF SLIP	8.51
	2	1200	450	730	7	148	134		72	600	600	DETENTION TIME	✓	BBL FUEL/MI	1.53-1.68
	1	1200	445	740	9	125	115		62	700	700	TOTAL REVOLUTIONS	132,120	WIND DIRECTION	210°-18kts
												AVERAGE R.P.M.	91.05	STATE OF SEA	Cloudy-Rain
	2	1200	445	740	7	146	134		92	700	700	TOTAL MILES BY ENGINE	493	STATE OF WEATHER	210°-5ft
												TOTAL MILES BY OBSERVATION	451		

REMARKS

1200-1600 WATCH

UNDERWAY ON 16 NOZZLES - FOLLOWING MACH IN OPERATION - B1+B2 - G1+G2 - M1-MK1 F.O. No 4
 MER-E1+E2 - D1+D2 - P1+P2 - F1+F2 - C1-L1-S2-FS1-LC1-A.CON - ACCP - ACCW - COMPLYING 1/2 NIGHT F.W. No 3 P43
 + STANDING ORDERS - CHANGED OVER + CLEANED L.O. STRAINER MN. UNIT - PUMPED BILGES - MU-U 4.2 T
 CHANGED OVER + CLEANED F.O. DISCH. STRAINER SHD. - 1516 DRILLS - PERMISSION TO BLOW GAL-D 9400
 TUBES @ 1515 NOT GRANTED - ENGRS PRESENT FOR DRILLS - FOX - FREE - CHIEF ENGR O'HALLARAN - 1st ASST CLEW
 1528 BOAT DRILL - 1538 4H

WATCH ENGR'S SIGNATURE-

Al Kober

1600-2000 WATCH

UNDERWAY AS BEFORE 16 NOZ.; BLEW TUBES P/S BOILERS; BLEW DOWN
 WATER GAGE GLASSES P/S BOILERS; BOILER CONDSTE TESTS: F.O. BURNERS F.W. 3 1/2
 + STRAINERS CLEANED; REGISTER & WIND BOX DRAIN HOLES FREE; MN. L.O. STRAINER MU-U 6
 CHECKED + CLEAN; BOILER EXT. INSP. MACHINERY SPACES INSPECTED + STEERING EVAP 35
 GEAR: E.R. BILGES PUMPED; COMPLIED W/DEPT ORDERS; CONDUCTED ENGINEERING GAL-D 10100
 CASUALTY DRILL E-5 HIGH SALINITY IN BOILER FEED WATER, 4 MEN BRIDGE NOTIFIED
 W.T.D'S SEC FR. BRIDGE @ 1916;

WATCH ENGR'S SIGNATURE-

CW Fry

2000-2400 WATCH

Machinery as Before, Except; changed & cleaned Lower Fuel oil F.O. INBD
 Burners - changed & cleaned #1 generator lube oil strainers - Fireman F.W. 3 1/2
 cleaning on station - J. Engr. & oiler Sterilizing Line & Machinery - MU-U 6.4
 Held Eng. Casualty Drill E-5 @ 2200-2220 - 4 men present - Bridge notified - EVAP 142-3
 changed to Inboard Settler @ 2330 - Pumped Eng. Space Bilges GAL-D 970

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

UNDERWAY ON 16 NOZZLES - COMPLYING 1/2 NIGHT + STANDING ORDERS - CHANGED F.O. No 3 (INBD)
 + CLEANED TOP F.O. BURNER IN EACH BOILER - HELD ENG. CASUALTY DRILL E-5 @ 0100 F.W. 3 1/2
 0130, 4 MEN PRESENT, BRIDGE NOTIFIED - PUMPED BILGES - MU-U 4.2
 EVAP 142
 GAL-D 9900

WATCH ENGR'S SIGNATURE-

Al Kober

0400-0800 WATCH

UNDERWAY ON 16 NOZZLES: CONDIT. AS BEFORE: P/S WATER GAGE GLASSES BLOWN F.O. INBD
 TEST BOILER WATER + CONDSTE.: F.O. DISCH. STRAINER CLEANED. MN L.O. F.W. 3 1/2
 STRAINER CHECKED + CLEAN; BURNER REGISTER'S + WIND BOX DRAIN HOLES FREE: MU-U 6.4
 BOILER EXT. INSP.: STEERING GEAR & MACHINERY SPACES INSP.: PUMPED BILGES EVAP 142
 GAL-D 9700
 ADDED 1/2 GAL TO #2 MN FEED PUMP:

WATCH ENGR'S SIGNATURE-

CW Fry

0800-1200 WATCH

Machinery as Before, Except; Blew Tube #1 & 2 Boilers 0800-0815 F.O. OUTBD
 Transferred Fuel oil from 74 to Port outboard & Port Inboard Settlers - N.B.C. F.W. 3 1/2
 Drilled S.B.E. @ 1020 4H @ 1044 - Ship's Force Working on Bilge X-over MU-U 7.5
 Valve - changed to Outboard Settler @ 1130 - Bilge @ Safe Level - EVAP 142-3
 J. Engr. & oiler Sterilizing Line & Machinery - GAL-D 10100

WATCH ENGR'S SIGNATURE-

M. Fox

CHIEF ENGINEER

G. KRUPP-TRANS F.O. No 74 TO INBOARD & OUTBOARD SETTLERS

CH/ELECT COMPLETED WEEKLY TESTS OF ALL SAFETY DEVICES AS PER
 CHECK-OFF LIST, ALL SAFE:

2 BOILER

6.21 P. ALK 11.68
 9.11 T. ALK 15.77
 5.39 CHLO 5.39
 3.5 PH. 4 3.5
 5.3 SO. 3 7.0
 10.5 PH 10.5
 3798 WS. HRS. 3008
 1128 FS. HRS. 1094

CHIEF ENGR'S SIGNATURE-

G. O'Hallaran

WATCH							WATCH						
	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME	240	240	240				MACHINERY PARTICULARS (CONT'D)	AFT. H. P. ROTOR BEARING	137	138	137		
DETENTION TIME								FORWARD L. P. ROTOR BEARING	132	133	133		
REVOLUTION COUNTER (END OF WATCH)	0210 1380	24800	02174 8180					AFT. L. P. ROTOR BEARING	132	133	131		
TOTAL REVOLUTIONS (FOR WATCH)	22920	23420	23380					HOTTEST GEAR BEARING FORWARD	158	160	160		
AVERAGE RPM	95.5	97.6	97.4					HOTTEST GEAR BEARING AFT	147	149	148		
F.O. METER (END OF WATCH)	8495 670	98830	8501 780					AUX. COND. CONDENSATE	114 115	113	115		
F.O. CONSUMED	2460	3160	2950					1ST STAGE FEED WATER HEATER	161	162	164		
PRESSURES	THROTTLE	440	450	445				D. C. FEED WATER HEATER	240	240	237		
	H.P. AHEAD	420	425	425				2ND STAGE FEED WATER HEATER	41	41	41		
	L.P. AHEAD	28	29	28.5				F.O. TO BURNERS	185	185	185		
	VACUUM	28"	28	28"				F.O. BACK PRESSURE TEST	41	0.41	.4		
	L.O. TO TURBINES	13.5	13.5	13.5				AIR TO FURNACE	147	146	147		
	AUX. STEAM	150	150	150				UPTAKE	330 295	345 300	320 305		
	BACK PRESSURE	9	9	9				MAIN STEAM	750	745	740		
	GLAND STEAM	3	2.0	2				SUPER HEAT	460	460	460		
	H.P. BLEEDER							F.O. TO BURNERS	210	215	220		
	I.P. BLEEDER	7	7	7				F.O. TEMP. IN SETTLING TANKS	96 108	98 96	98 96		
TEMPERATURES	L.P. BLEEDER	9	1	6			BOILER PARTICULARS	PORT BOILER UPTAKE	8	7.5	7		
	STEAM AT THROTTLE	740	745	710				STBD. BOILER UPTAKE	7	5.5	5		
	L.P. EXHAUST	116	117	118				ENGINE ROOM TEMPERATURE	100	100	100		
	CONDENSATE	114	113	117				FIRE ROOM TEMPERATURE	-				
	CIRC. WATER IN	88	88	88				NOZZLES IN USE	18	18	18		
	CIRC. WATER OUT	100	100	100				NO. OF BURNERS IN USE	6	6	6		
	L.O. TO COOLERS	126	127	126				BURNER TIP SIZE	53/70	53/70	53/70		
	L.O. FROM COOLERS	110	110	109				CO2 % PORT BOILER	13.5	13	13.5		
	TEMPERATURE THRUST BEARING	118	118	118				CO2 % STBD. BOILER	13	13.5	13.5		
	FORWARD H.P. ROTOR BEARING	132	135	135				OIL LEVEL MAIN SUMP	N	N	N		

GENERATORS													FUEL - WATER AND LUBE OIL					
WATCH	GENERATOR NUMBER	R.P.M.	STEAM PRESSURE	STEAM TEMP.	L.O. PRESSURE	L.O. TO COOLER	L.O. FROM COOLER	TEMP. OF HOTTEST BEARING	L.O. GOVERNOR PRESSURE	AMPS POSITIVE	AMPS NEGATIVE	VOLTS	FUEL OIL		BOILER WATER		LUBE OIL	
1200 TO 1600	1	1200	440	950	9	125	116		62	700	700	240	METER AT NOON	35.030	ON HAND AT START OF DAY	155	EVAPORATED OR RECEIVED	18
	2	1200	440	950	7	148	134		70	700	-	240	METER PREVIOUS NOON	17.520		ON HAND		155
1600 TO 2000	1	1200	440		9				62	650	650	240	CONSUMED BY METER	17.510	ON HAND AT START OF DAY		3667	CONSUMED
	2	1200	440		7				70	650	650	240	ON HAND AT START OF DAY	3667		ON HAND AT START OF DAY		
2000 TO 2400	1	1200	445	740	9	124	114		62	700	700	240	RECEIVED DURING DAY		RECEIVED			ON HAND
	2	1200	445	740	7	146	132		70	700	700	240	EXPENDED DURING DAY	417		ON HAND		
2400 TO 0400	1	1200	445	740	9	124	114		62	700	700	240	REMAINING ON BOARD	3250	CONSUMED			
	2	1200	445	740	7	146	132		70	700	700	240	ON HAND AT START OF DAY	1224		CONSUMED		
0400 TO 0800	1	1200	445	740	9	124	114		62	700	700	240	EVAPORATED OR RECEIVED	86	ON HAND		1257	
	2	1200	445	740	7	146	132		70	700	700	240	ON HAND	1257		CONSUMED	53	
0800 TO 1200	1	1200	445	740	9	124	114		62	700	700	240	LOW PRESS. EVAPORATORS	1-2/4	(No. of hrs operated) (Fresh water made gals.)			
	2	1200	445	740	7	146	132		70	700	700	240	4HRS	1-2/4	1-2/4			
													L.O. CENTRIFUGE - HOURS OPERATED					
1200 TO 1600	1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200												
	4	4	4															
SUMMARY																		
RUNNING TIME		720	PERCENT OF SLIP		9.21													
DETENTION TIME		✓	BBL FUEL/MI		1.64-1.79													
TOTAL REVOLUTIONS		68,460	WIND DIRECTION		210°-18													
AVERAGE R.P.M.		96.08	STATE OF SEA		4'													
TOTAL MILES BY ENGINE		255	STATE OF WEATHER		cloudy													
TOTAL MILES BY OBSERVATION		232	Dir 81															

REMARKS

1200-1600 WATCH

UNDERWAY ON 18 NOZZLES - FOLLOWING MACHINERY IN OPERATION - B1+B2 - C1+C2
 M1-M2 - MER-E2 - D1+D2 - P1+P2 - F1+F2 - C1-L1 - S2 - F51-LC1 - A.C.O.N. - ACCP - ALLW - COMPLYING
 W/RIGHT + STANDING ORDERS SEC No 1 EVAP - 1345 PUT MNTURB ON 18 NOZZLES - 1420 STARTED
 No 1 EVAP - CH. ENGR IN ER 1345/1400 - 1515 BLEW TUBES BOTH BOILER W/BIDGE PERMISSION
 PUMPED BILGES 1535 SEC BLOWING TUBES -

WATCH ENGR'S SIGNATURE-

Al Kober

GAL.D 1900

1600-2000 WATCH

UNDERWAY ON 18 NOZZLES: CONDITIONS AS BEFORE; WATER GAGE GLASSES BLOWN;
 BOILER & CONDSTE TESTS; F.O. & L.O. STRAINERS CLEANED; REGISTER'S AND
 WIND BOX DRAIN HOLES FREE; BOILER EXTERIOR, MACHINERY SPACES AND
 STEERING GEAR INSPECTED; E.R. BILGES PUMPED & SECTION STRAINER CLEANED
 W.T.O'S SEC. FR. BRIDGE @ 1845;

WATCH ENGR'S SIGNATURE-

C. W. Fry

2000-2400 WATCH

Machinery as Before, Except; changed & cleaned #1 Generator Lube oil
 Strainers - changed & cleaned Lower Fuel oil Burners - Held Eng. Casualty
 Drill "E-6" 2200-2220 - 4 men Present - Notified Bridge - Blew Tubes
 #2 Boiler 2250-2300 - Stack Temperature 390°F - changed to Inboard Settler @ 2330 -
 J. Engr. & oiler Sterilizing - Pumped Eng. Space Bilges -

WATCH ENGR'S SIGNATURE-

M. Fox

2400-0400 WATCH

0400-0800 WATCH

0800-1200 WATCH

CHIEF ENGINEER

G. KRUPP - TRANS. F.O. FROM No 8 P + No 7 S To INBOARD + OUTBOARD SETT.

1200-1400	No 1 P 60.4
	No 1 S 73.7
	133
	No 2 P 60
	No 2 S 64
	No 3 P 280
	No 3 S 226
	No 4 253
	FP 152
	AP 126
	1161

Fuel Oil Sounding corrected to
 3200 B Bb Bg Sounding

2 BOILER 1
 1051 P. ALK 11.68
 1460 T. ALK 15.77
 6.21 CHLO 6.21
 40 PH. 4 45
 56 SO. 3 73
 10.5 PH 10.5
 3870 WS. HRS. 3620
 1140 FS. HRS. 1106

CHIEF ENGR'S SIGNATURE-

J. O'Halloran

[illegible]