

REMARKS

1200-1600 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Capt Wilson R/S.

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Capt Wilson R/S.

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Capt Wilson R/S.

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Craig

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Craig

0800-1200 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Craig

CHIEF ENGINEER

BLRS.	
P.A.K.	
T.A.K.	
CHL.	
PHOS.	
P.H. Cond.	
P.H.D.C.	
CHEMICALS ADDED	
ADJ.	
G.C.	
A.R.C.	
STEAMING HOURS	
F.S.	
W.S.	

CHIEF ENGR'S SIGNATURE-

J. J. Craig

[illegible]

REMARKS

1200-1600 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

Plant SECURED Bilges at safe level
Steam on #5 & DBT

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

<input checked="" type="checkbox"/>	BLS.	<input checked="" type="checkbox"/>
<input type="checkbox"/>	P.A.K.	<input type="checkbox"/>
<input type="checkbox"/>	T.A.K.	<input type="checkbox"/>
<input type="checkbox"/>	CHL.	<input type="checkbox"/>
<input type="checkbox"/>	PHOS.	<input type="checkbox"/>
<input type="checkbox"/>	P.H. Cond.	<input type="checkbox"/>
<input type="checkbox"/>	P.H.-D.C.	<input type="checkbox"/>
CHEMICALS ADDED		
<input type="checkbox"/>	ADJ.	<input type="checkbox"/>
<input type="checkbox"/>	G.C.	<input type="checkbox"/>
<input type="checkbox"/>	A.R.C.	<input type="checkbox"/>
STEAMING HOURS		
<input type="checkbox"/>	F.S.	<input type="checkbox"/>
<input type="checkbox"/>	W.S.	<input type="checkbox"/>

CHIEF ENGR'S SIGNATURE-

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
13-17		13-17		HARLAN		13-17		12-12-22		9/16-17/68			
WATCH													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
WATCH													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
RUNNING TIME													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)													
F.O. CONSUMED													
MACHINERY PARTICULARS													
PRESSURES													
THROTTLE													
H.P. AHEAD													
L.P. AHEAD													
VACUUM													
L.O. TO TURBINES													
AUX. STEAM													
BACK PRESSURE													
GLAND STEAM													
H.P. BLEEDER													
I.P. BLEEDER													
L.P. BLEEDER													
TEMPERATURES													
STEAM AT THROTTLE													
L.P. EXHAUST													
CONDENSATE													
CIRC. WATER IN													
CIRC. WATER OUT													
L.O. TO COOLERS													
L.O. FROM COOLERS													
TEMPERATURE THRUST BEARING													
FORWARD H.P. ROTOR BEARING													
MACHINERY PARTICULARS (CONT'D)													
AFT. H. P. ROTOR BEARING													
FORWARD L. P. ROTOR BEARING													
AFT. L. P. ROTOR BEARING													
HOTTEST GEAR BEARING FORWARD													
HOTTEST GEAR BEARING AFT													
AUX. COND. CONDENSATE													
1ST STAGE FEED WATER HEATER													
D. C. FEED WATER HEATER													
3RD STAGE FEED WATER HEATER													
BOILER PARTICULARS													
TEMPERATURES													
F.O. TO BURNERS													
F. O. BACK PRESSURE													
AIR TO FURNACE													
UPTAKE													
MAIN STEAM													
PRESSURES													
SUPER HEAT													
F.O. TO BURNERS													
F.O. TEMP. IN SETTLING TANKS													
PORT BOILER UPTAKE													
STBD. BOILER UPTAKE													
ENGINE ROOM TEMPERATURE													
FIRE ROOM TEMPERATURE													
MISCELLANEOUS													
NOZZLES IN USE													
NO. OF BURNERS IN USE													
BURNER TIP SIZE													
CO ₂ % PORT BOILER													
CO ₂ % STBD. BOILER													
OIL LEVEL MAIN SUMP													

GENERATORS													
#WATCH													
GENERATOR NUMBER													
R.P.M.													
STEAM PRESSURE													
STEAM TEMP.													
L.O. PRESSURE													
L.O. TO COOLER													
L.O. FROM COOLER													
TEMP. OF HOTTEST BEARING													
L.O. GOVERNOR PRESSURE													
AMPS POSITIVE													
AMPS NEGATIVE													
VOLTS													
1200 TO 1600													
1600 TO 2000													
2000 TO 2400													
2400 TO 0400													
0400 TO 0800													
0800 TO 1200													
FUEL - WATER AND LUBE OIL													
FUEL OIL													
METER AT NOON													
METER PREVIOUS NOON													
CONSUMED BY METER													
ON HAND AT START OF DAY													
RECEIVED DURING DAY													
EXPENDED DURING DAY													
REMAINING ON BOARD													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
DOMESTIC WATER													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)													
L.O. CENTRIFUGE - HOURS OPERATED													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
SUMMARY													
RUNNING TIME													
DETENTION TIME													
TOTAL REVOLUTIONS													
AVERAGE R.P.M.													
TOTAL MILES BY ENGINE													
TOTAL MILES BY OBSERVATION													
PERCENT OF SLIP													
BBL FUEL/MI													
WIND DIRECTION													
STATE OF SEA													
STATE OF WEATHER													

REMARKS

1200-1600 WATCH

PLANT SECURED - Bilges AT safe level

WATCH ENGR'S SIGNATURE-

Thos Lund

1600-2000 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

Lloyd Wilson Jr.

2000-2400 WATCH

Plant secured

WATCH ENGR'S SIGNATURE-

Lloyd Wilson Jr.

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J 2 Eng 6 AK

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J 2 Eng 6

0800-1200 WATCH

Plant SECURED - Bilges at safe level

WATCH ENGR'S SIGNATURE-

Thos Lund

CHIEF ENGINEER

CHIEF ENGR'S SIGNATURE-

W. S. Thompson

<input checked="" type="checkbox"/>	BLRS.	<input type="checkbox"/>
<input type="checkbox"/>	PALK	<input type="checkbox"/>
<input type="checkbox"/>	TALK.	<input type="checkbox"/>
<input type="checkbox"/>	CHL.	<input type="checkbox"/>
<input type="checkbox"/>	PHOS.	<input type="checkbox"/>
<input type="checkbox"/>	P.H. Cond.	<input type="checkbox"/>
<input type="checkbox"/>	P.H.-D.C.	<input type="checkbox"/>
CHEMICALS ADDED		
<input type="checkbox"/>	ADJ.	<input type="checkbox"/>
<input type="checkbox"/>	G.C.	<input type="checkbox"/>
<input type="checkbox"/>	A.R.C.	<input type="checkbox"/>
STEAMING HOURS		
<input type="checkbox"/>	F.S.	<input type="checkbox"/>
<input type="checkbox"/>	W.S.	<input type="checkbox"/>

[illegible]

REMARKS

1200-1600 WATCH

Plant Secured, Ship force working on ship marking list.

WATCH ENGR'S SIGNATURE-

[Signature]

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

[Signature]

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

[Signature]

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

[Signature]

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

[Signature]

0800-1200 WATCH

Plant secured - Bilges at safe level

WATCH ENGR'S SIGNATURE-

[Signature]

CHIEF ENGINEER

BLRS.	
P.A.R.	
T.A.R.	
CHL.	
PHOS.	
P.H. Cond.	
P.H.D.C.	
CHEMICALS ADDED	
ADJ.	
G.C.	
A.R.C.	
STEAMING HOURS	
F.S.	
W.S.	

CHIEF ENGR'S SIGNATURE-

[Signature]

[illegible]

REMARKS

1200-1600 WATCH

Plant Secured, Ship free working on ship work list

WATCH ENGR'S SIGNATURE-

[Signature]

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

[Signature]

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

[Signature]

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

[Signature]

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

[Signature]

0800-1200 WATCH

Plant Secured, Ship on shore power, bilge dry

WATCH ENGR'S SIGNATURE-

[Signature]

CHIEF ENGINEER

<input checked="" type="checkbox"/>	BLS. /	
<input checked="" type="checkbox"/>	PAK	
<input checked="" type="checkbox"/>	TALK.	
<input checked="" type="checkbox"/>	CHL.	
<input checked="" type="checkbox"/>	PHOS.	
<input checked="" type="checkbox"/>	P.H. Cond.	
<input checked="" type="checkbox"/>	P.H.-D.C.	
CHEMICALS ADDED		
<input checked="" type="checkbox"/>	ADJ.	
<input checked="" type="checkbox"/>	G.C.	
<input checked="" type="checkbox"/>	A.R.C.	
STEAMING HOURS		
<input checked="" type="checkbox"/>	F.S.	
<input checked="" type="checkbox"/>	W.S.	

CHIEF ENGR'S SIGNATURE-

[Signature]

REMARKS

1200-1600 WATCH

Plant Secured, Skips on shore power
filge dry. cleaning machinery space.

WATCH ENGR'S SIGNATURE-

[Signature]

1600-2000 WATCH

Plant Secured - as before.

WATCH ENGR'S SIGNATURE-

[Signature]

2000-2400 WATCH

Plant Secured - as before

WATCH ENGR'S SIGNATURE-

[Signature]

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

[Signature]

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

[Signature]

0800-1200 WATCH

Plant Secured, filge on safe level

WATCH ENGR'S SIGNATURE-

[Signature]

CHIEF ENGINEER

	BERS.	
	P.A.K.	
	T.A.K.	
	CHL.	
	PHOS.	
	P.H. Cond.	
	P.H.D.C.	
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C.	
STEAMING HOURS		
	F.S.	
	W.S.	

CHIEF ENGR'S SIGNATURE-

[Signature]

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
12-13-02		13-17		14-17		15-17		12-13-02		9/20-21/60			
WATCH													
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200													
WATCH													
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200													
RUNNING TIME													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)													
F.O. CONSUMED													
MACHINERY PARTICULARS													
PRESSURES													
THROTTLE													
H.P. AHEAD													
L.P. AHEAD													
VACUUM													
L.O. TO TURBINES													
AUX. STEAM													
BACK PRESSURE													
GLAND STEAM													
H.P. BLEEDER													
I.P. BLEEDER													
L.P. BLEEDER													
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)													
TEMPERATURES (CONT'D)													
AFT. H. P. ROTOR BEARING													
FORWARD L. P. ROTOR BEARING													
AFT. L. P. ROTOR BEARING													
HOTTEST GEAR BEARING FORWARD													
HOTTEST GEAR BEARING AFT													
AUX. COND. CONDENSATE													
1ST STAGE FEED WATER HEATER													
O. C. FEED WATER HEATER													
3RD STAGE FEED WATER HEATER													
PRESSURES													
F.O. TO BURNERS													
F. O. BACK PRESSURE													
AIR TO FURNACE													
UPTAKE													
MAIN STEAM													
SUPER HEAT													
F.O. TO BURNERS													
F.O. TEMP. IN SETTLING TANKS													
PORT BOILER UPTAKE													
STBD. BOILER UPTAKE													
TEMPERATURES													
ENGINE ROOM TEMPERATURE													
FIRE ROOM TEMPERATURE													
NOZZLES IN USE													
NO. OF BURNERS IN USE													
BURNER TIP SIZE													
CO ₂ % PORT BOILER													
CO ₂ % STBD. BOILER													
OIL LEVEL MAIN SUMP													
MISCELLANEOUS													
GENERATORS													
WATCH													
GENERATOR NUMBER													
R.P.M.													
STEAM PRESSURE													
STEAM TEMP.													
L.O. PRESSURE													
L.O. TO COOLER													
L.O. FROM COOLER													
TEMP. OF HOTTEST BEARING													
L.O. GOVERNOR PRESSURE													
AMPS POSITIVE													
AMPS NEGATIVE													
VOLTS													
1200 TO 1600													
1600 TO 2000													
2000 TO 2400													
2400 TO 0400													
0400 TO 0800													
0800 TO 1200													
FUEL - WATER AND LUBE OIL													
METER AT NOON													
METER PREVIOUS NOON													
CONSUMED BY METER													
ON HAND AT START OF DAY													
RECEIVED DURING DAY													
EXPENDED DURING DAY													
REMAINING ON BOARD													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
DOMESTIC WATER													
ON HAND													
CONSUMED													
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gal.)													
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													
DETENTION TIME													
TOTAL REVOLUTIONS													
AVERAGE R.P.M.													
TOTAL MILES BY ENGINE													
TOTAL MILES BY OBSERVATION													
PERCENT OF SLIP													
BBL FUEL/MI													
WIND DIRECTION													
STATE OF SEA													
STATE OF WEATHER													

REMARKS

1200-1600 WATCH

Plant Secured, Ship force working on
various work list - bilge sump level

WATCH ENGR'S SIGNATURE-

R. Lane

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Capt. Wilson R.E.

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Capt. Wilson R.E.

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. Laigb

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. Laigb

0800-1200 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. Laigb

CHIEF ENGINEER

<input checked="" type="checkbox"/>	BERS.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	P.A.K.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	T.A.K.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	CHL.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	PHOS.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	P.H. Cond.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	P.H.-D.C.	<input checked="" type="checkbox"/>
CHEMICALS ADDED		
<input checked="" type="checkbox"/>	ADJ.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	G.C.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	A.R.C.	<input checked="" type="checkbox"/>
STEAMING HOURS		
<input checked="" type="checkbox"/>	F.S.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	W.S.	<input checked="" type="checkbox"/>

CHIEF ENGR'S SIGNATURE-

J. Laigb

[illegible]

REMARKS

1200-1600 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Charles Wilson Jr

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Charles Wilson Jr

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Charles Wilson Jr

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Long

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Long

0800-1200 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Long

CHIEF ENGINEER

<input checked="" type="checkbox"/>	BLS.	<input type="checkbox"/>
<input type="checkbox"/>	P.A.K.	<input type="checkbox"/>
<input type="checkbox"/>	T.A.K.	<input type="checkbox"/>
<input type="checkbox"/>	CHL.	<input type="checkbox"/>
<input type="checkbox"/>	PHOS.	<input type="checkbox"/>
<input type="checkbox"/>	P.H. Cond.	<input type="checkbox"/>
<input type="checkbox"/>	P.H.-D.C.	<input type="checkbox"/>
CHEMICALS ADDED		
<input type="checkbox"/>	ADJ.	<input type="checkbox"/>
<input type="checkbox"/>	G.C.	<input type="checkbox"/>
<input type="checkbox"/>	A.R.C.	<input type="checkbox"/>
STEAMING HOURS		
<input type="checkbox"/>	F.S.	<input type="checkbox"/>
<input type="checkbox"/>	W.S.	<input type="checkbox"/>

CHIEF ENGR'S SIGNATURE-

Charles Wilson Jr

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
13-A		13-A		13-A		13-A		13-A		13-A	
WATCH											
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200											
MACHINERY PARTICULARS (CONT'D)											
AFT. H. P. ROTOR BEARING											
FORWARD L. P. ROTOR BEARING											
AFT. L. P. ROTOR BEARING											
HOTTEST GEAR BEARING FORWARD											
HOTTEST GEAR BEARING AFT											
AUX. COND. CONDENSATE											
1ST STAGE FEED WATER HEATER											
D. C. FEED WATER HEATER											
3RD STAGE FEED WATER HEATER											
F.O. TO BURNERS											
F. O. BACK PRESSURE											
AIR TO FURNACE											
UPTAKE											
MAIN STEAM											
SUPER HEAT											
F.O. TO BURNERS											
F.O. TEMP. IN SETTLING TANKS											
PORT BOILER UPTAKE											
STBD. BOILER UPTAKE											
ENGINE ROOM TEMPERATURE											
FIRE ROOM TEMPERATURE											
NOZZLES IN USE											
NO. OF BURNERS IN USE											
BURNER TIP SIZE											
CO ₂ % PORT BOILER											
CO ₂ % STBD. BOILER											
OIL LEVEL MAIN SUMP											

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

REMARKS

1200-1600 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Charles Wilson R/C

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Charles Wilson R/C

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Charles Wilson R/C

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Wright

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Wright

0800-1200 WATCH

Plant Secured, Drain #3 & #4 failed of water, flow same with air pressure.

WATCH ENGR'S SIGNATURE-

R. Stone

CHIEF ENGINEER

	BLKS. #	
	P.A.L.K.	
	T.A.L.K.	
	CHL.	
	PHOS.	
	P.H. Cond.	
	P.H.-D.C.	
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.C.	
STEAMING HOURS		
	F.S.	
	W.S.	

CHIEF ENGR'S SIGNATURE-

R. Stone

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
13A		13A		13A		13A		13A		13A			
WATCH													
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200													
WATCH													
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200													
RUNNING TIME													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)													
F.O. CONSUMED													
MACHINERY PARTICULARS (CONT'D)													
AFT. H. P. ROTOR BEARING													
FORWARD L. P. ROTOR BEARING													
AFT. L. P. ROTOR BEARING													
HOTTEST GEAR BEARING FORWARD													
HOTTEST GEAR BEARING AFT													
AUX. COND. CONDENSATE													
1ST STAGE FEED WATER HEATER													
D. C. FEED WATER HEATER													
3RD STAGE FEED WATER HEATER													
F.O. TO BURNERS													
F. O. BACK PRESSURE													
AIR TO FURNACE													
UPTAKE													
MAIN STEAM													
SUPER HEAT													
F.O. TO BURNERS													
F.O. TEMP. IN SETTLING TANKS													
PORT BOILER UPTAKE													
STBD. BOILER UPTAKE													
ENGINE ROOM TEMPERATURE													
FIRE ROOM TEMPERATURE													
NOZZLES IN USE													
NO. OF BURNERS IN USE													
BURNER TIP SIZE													
CO ₂ % PORT BOTLER													
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													
FUEL - WATER AND LUBE OIL													
METER AT NOON													
METER PREVIOUS NOON													
CONSUMED BY METER													
ON HAND AT START OF DAY													
RECEIVED DURING DAY													
EXPENDED DURING DAY													
REMAINING ON BOARD													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
DOMESTIC WATER													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)													
L.O. CENTRIFUGE - HOURS OPERATED													
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200													
SUMMARY													
RUNNING TIME													
DETENTION TIME													
TOTAL REVOLUTIONS													
AVERAGE R.P.M.													
TOTAL MILES BY ENGINE													
TOTAL MILES BY OBSERVATION													
PERCENT OF SLIP													
BBL FUEL/MI													
WIND DIRECTION													
STATE OF SEA													
STATE OF WEATHER													

REMARKS

1200-1600 WATCH

Plant Secured, Drain off #3 & #4 boilers with air pressure. Fills safe level

WATCH ENGR'S SIGNATURE-

R. Lane

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

W. Wilson

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

W. Wilson

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

W. Wilson

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

W. Wilson

0800-1200 WATCH

Plant Secured, open fire box of #3 & #4 boilers for cleaning, fills safe level

WATCH ENGR'S SIGNATURE-

R. Lane

CHIEF ENGINEER

#	BURS. #	
	PAK.	
	YAK.	
	CHL.	
	PHOS.	
	P.H. Cond.	
	P.H.-D.C.	
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.P.P.	
STEAMING HOURS		
	F.S.	
	W.S.	

CHIEF ENGR'S SIGNATURE-

W. Wilson

[illegible]

REMARKS

1200-1600 WATCH

Plant Secured, Ship full mark on #3 & #4
boilers, cleaning same, inside fire box.
bilge dry & evap. flat.

WATCH ENGR'S SIGNATURE-

[Signature]

1600-2000 WATCH

Plant Secured.

WATCH ENGR'S SIGNATURE-

[Signature]

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

[Signature]

2400-0400 WATCH

plant SECURED

WATCH ENGR'S SIGNATURE-

[Signature]

0400-0800 WATCH

plant SECURED

WATCH ENGR'S SIGNATURE-

[Signature]

0800-1200 WATCH

Plant Secured, open all doors of #3 & #4
boiler headers, & cleaning fire side box.
bilge dry

WATCH ENGR'S SIGNATURE-

[Signature]

CHIEF ENGINEER

	BLRS.	
	P.A.L.K.	
	T.A.L.K.	
	CHL.	
	PHOS.	
	P.H. Cond.	
	P.H.-D.C.	
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.P.F.	
STEAMING HOURS		
	F.S.	
	W.S.	

CHIEF ENGR'S SIGNATURE-

[Signature]

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE			
4-10-10-10-10		13-H		Huntington		D. 7.		12-12-12		4/25-4/68			
WATCH													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
WATCH													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
RUNNING TIME													
DETENTION TIME													
REVOLUTION COUNTER (END OF WATCH)													
TOTAL REVOLUTIONS (FOR WATCH)													
AVERAGE RPM													
F.O. METER (END OF WATCH)													
F.O. CONSUMED													
MACHINERY PARTICULARS (CONT'D)													
AFT. H. P. ROTOR BEARING													
FORWARD L. P. ROTOR BEARING													
AFT. L.P. ROTOR BEARING													
HOTTEST GEAR BEARING FORWARD													
HOTTEST GEAR BEARING AFT													
AUX. COND. CONDENSATE													
1ST STAGE FEED WATER HEATER													
D. C. FEED WATER HEATER													
3RD STAGE FEED WATER HEATER													
F.O. TO BURNERS													
F. O. BACK PRESSURE													
AIR TO FURNACE													
UPTAKE													
MAIN STEAM													
SUPER HEAT													
F.O. TO BURNERS													
F.O. TEMP. IN SETTLING TANKS													
PORT BOILER UPTAKE													
STBD. BOILER UPTAKE													
ENGINE ROOM TEMPERATURE													
FIRE ROOM TEMPERATURE													
NOZZLES IN USE													
NO. OF BURNERS IN USE													
BURNER TIP SIZE													
CO2 % PORT BOILER													
CO2 % STBD. BOILER													
OIL LEVEL MAIN SUMP													
MACHINERY PARTICULARS													
THROTTLE													
H.P. AHEAD													
L.P. AHEAD													
VACUUM													
L.O. TO TURBINES													
AUX. STEAM													
BACK PRESSURE													
GLAND STEAM													
H.P. BLEEDER													
I.P. BLEEDER													
L.P. BLEEDER													
STEAM AT THROTTLE													
L.P. EXHAUST													
CONDENSATE													
CIRC. WATER IN													
CIRC. WATER OUT													
L.O. TO COOLERS													
L.O. FROM COOLERS													
TEMPERATURE THRUST BEARING													
FORWARD H.P. ROTOR BEARING													
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													
FUEL - WATER AND LUBE OIL													
METER AT NOON													
METER PREVIOUS NOON													
CONSUMED BY METER													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
ON HAND AT START OF DAY													
EXPENDED DURING DAY													
RECEIVED													
ON HAND													
CONSUMED													
ON HAND AT START OF DAY													
EVAPORATED OR RECEIVED													
ON HAND													
CONSUMED													
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)													
L.O. CENTRIFUGE - HOURS OPERATED													
1200 TO 16001600 TO 20002000 TO 24002400 TO 04000400 TO 08000800 TO 1200													
SUMMARY													
RUNNING TIME													
PERCENT OF SLIP													
DETENTION TIME													
BBL FUEL/MI													
TOTAL REVOLUTIONS													
WIND DIRECTION													
AVERAGE R.P.M.													
STATE OF SEA													
TOTAL MILES BY ENGINE													
STATE OF WEATHER													
TOTAL MILES BY OBSERVATION													

REMARKS

1200-1600 WATCH

Plant Secured, Ships on shore power, cleaning economizers of #3 & #4 boilers & open all side doors of water well. keels bilge dry

WATCH ENGR'S SIGNATURE-

R. Lane

1600-2000 WATCH

Plant Secured - as before

WATCH ENGR'S SIGNATURE-

Clyde Wilson Jr.

2000-2400 WATCH

Plant Secured - as before

WATCH ENGR'S SIGNATURE-

Clyde Wilson Jr.

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. Craig

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. Craig

0800-1200 WATCH

Plant Secured, Ships full working on #3 & #4 boilers, cleaning same, bilge dry.

WATCH ENGR'S SIGNATURE-

R. Lane

CHIEF ENGINEER

	BLRS. #	
	PALK.	
	TALK.	
	CHL.	
	PHOS.	
	P.H. Cond.	
	P.H.D.C.	
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.R.P.	
STEAMING HOURS		
	F.S.	
	W.S.	

CHIEF ENGR'S SIGNATURE-

W. H. Chamberlain

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
13-A		Hunters Point, Calif.						H-13		9/26-27/68	
WATCH											
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200											
WATCH											
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200											
RUNNING TIME											
DETENTION TIME											
REVOLUTION COUNTER (END OF WATCH)											
TOTAL REVOLUTIONS (FOR WATCH)											
AVERAGE RPM											
F.O. METER (END OF WATCH)											
F.O. CONSUMED											
MACHINERY PARTICULARS (CONT'D)											
AFT. H. P. ROTOR BEARING											
FORWARD L. P. ROTOR BEARING											
AFT. L. P. ROTOR BEARING											
HOTTEST GEAR BEARING FORWARD											
HOTTEST GEAR BEARING AFT											
AUX. COND. CONDENSATE											
1ST STAGE FEED WATER HEATER											
D. C. FEED WATER HEATER											
3RD STAGE FEED WATER HEATER											
MACHINERY PARTICULARS (CONT'D)											
F.O. TO BURNERS											
F. O. BACK PRESSURE											
AIR TO FURNACE											
UPTAKE											
MAIN STEAM											
SUPER HEAT											
F.O. TO BURNERS											
F.O. TEMP. IN SETTLING TANKS											
PORT BOILER UPTAKE											
STBD. BOILER UPTAKE											
ENGINE ROOM TEMPERATURE											
FIRE ROOM TEMPERATURE											
NOZZLES IN USE											
NO. OF BURNERS IN USE											
BURNER TIP SIZE											
CO2 % PORT BOILER											
CO2 % STBD. BOILER											
OIL LEVEL MAIN SUMP											
MACHINERY PARTICULARS											
THROTTLE											
H.P. AHEAD											
L.P. AHEAD											
VACUUM											
L.O. TO TURBINES											
AUX. STEAM											
BACK PRESSURE											
GLAND STEAM											
H.P. BLEEDER											
I.P. BLEEDER											
L.P. BLEEDER											
STEAM AT THROTTLE											
L.P. EXHAUST											
CONDENSATE											
CIRC. WATER IN											
CIRC. WATER OUT											
L.O. TO COOLERS											
L.O. FROM COOLERS											
TEMPERATURE THRUST BEARING											
FORWARD H.P. ROTOR BEARING											
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											
FUEL - WATER AND LUBE OIL											
METER AT NOON											
METER PREVIOUS NOON											
CONSUMED BY METER											
ON HAND AT START OF DAY											
RECEIVED DURING DAY											
EXPENDED DURING DAY											
REMAINING ON BOARD											
ON HAND AT START OF DAY											
EVAPORATED OR RECEIVED											
ON HAND											
CONSUMED											
ON HAND AT START OF DAY											
RECEIVED											
ON HAND											
CONSUMED											
DOMESTIC WATER											
ON HAND AT START OF DAY											
EVAPORATED OR RECEIVED											
ON HAND											
CONSUMED											
LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)											
L.O. CENTRIFUGE - HOURS OPERATED											
1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200											
SUMMARY											
RUNNING TIME											
DETENTION TIME											
TOTAL REVOLUTIONS											
AVERAGE R.P.M.											
TOTAL MILES BY ENGINE											
TOTAL MILES BY OBSERVATION											
PERCENT OF SLIP											
BBL FUEL/MI											
WIND DIRECTION											
STATE OF SEA											
STATE OF WEATHER											

REMARKS

1200-1600 WATCH

Plant Secured, Skip foul washing on #3 & #4
triles water wall headers. Bilge dry

WATCH ENGR'S SIGNATURE-

R. Lane

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Capt. Wilson R.E.

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Capt. Wilson R.E.

2400-0400 WATCH

// PLANT SECURED

WATCH ENGR'S SIGNATURE-

C. J. Long

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

C. J. Long

0800-1200 WATCH

Plant Secured, Skip on Skid power
Cleaning #3 & #4 bilge & pull out hand
hole plate with end of water wall. Bilge
dry

WATCH ENGR'S SIGNATURE-

R. Lane

CHIEF ENGINEER

<input checked="" type="checkbox"/>	BERS.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	P.A.K.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	T.A.K.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	CHL.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	PHOS.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	P.H. Cond.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	P.H.-D.C.	<input checked="" type="checkbox"/>
CHEMICALS ADDED		
<input checked="" type="checkbox"/>	ADJ.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	G.C.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	A.R.C.	<input checked="" type="checkbox"/>
STEAMING HOURS		
<input checked="" type="checkbox"/>	F.S.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	W.S.	<input checked="" type="checkbox"/>

CHIEF ENGR'S SIGNATURE-

M. S. Thompson

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE	
13-A		13-A		HARPER		13-A		13-A		9/27-28/68	
WATCH		WATCH		WATCH		WATCH		WATCH		WATCH	
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200	
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200	
RUNNING TIME		DETENTION TIME		REVOLUTION COUNTER (END OF WATCH)		TOTAL REVOLUTIONS (FOR WATCH)		AVERAGE RPM		F.O. METER (END OF WATCH)	
F.O. CONSUMED		THROTTLE		H.P. AHEAD		L.P. AHEAD		VACUUM		L.O. TO TURBINES	
AUX. STEAM		BACK PRESSURE		GLAND STEAM		H.P. BLEEDER		I.P. BLEEDER		L.P. BLEEDER	
STEAM AT THROTTLE		L.P. EXHAUST		CONDENSATE		CIRC. WATER IN		CIRC. WATER OUT		L.O. TO COOLERS	
L.O. FROM COOLERS		TEMPERATURE THRUST BEARING		FORWARD H.P. ROTOR BEARING		AFT. H.P. ROTOR BEARING		FORWARD L.P. ROTOR BEARING		AFT. L.P. ROTOR BEARING	
HOTTEST GEAR BEARING FORWARD		HOTTEST GEAR BEARING AFT		AUX. COND. CONDENSATE		1ST STAGE FEED WATER HEATER		D. C. FEED WATER HEATER		3RD STAGE FEED WATER HEATER	
F.O. TO BURNERS		F. O. BACK PRESSURE		AIR TO FURNACE		UPTAKE		MAIN STEAM		SUPER HEAT	
F.O. TO BURNERS		F.O. TEMP. IN SETTLING TANKS		PORT BOILER UPTAKE		STBD. BOILER UPTAKE		ENGINE ROOM TEMPERATURE		FIRE ROOM TEMPERATURE	
NOZZLES IN USE		NO. OF BURNERS IN USE		BURNER TIP SIZE		CO ₂ % PORT BOILER		CO ₂ % STBD. BOILER		OIL LEVEL MAIN SUMP	
GENERATORS		FUEL - WATER AND LUBE OIL		FUEL OIL		DOMESTIC WATER		L.O. CENTRIFUGE - HOURS OPERATED		SUMMARY	
GENERATOR NUMBER		R.P.M.		STEAM PRESSURE		STEAM TEMP.		L.O. PRESSURE		L.O. TO COOLER	
L.O. FROM COOLER		TEMP. OF HOTTEST BEARING		L.O. GOVERNOR PRESSURE		AMPS POSITIVE		AMPS NEGATIVE		VOLTS	
METER AT NOON		METER PREVIOUS NOON		CONSUMED BY METER		ON HAND AT START OF DAY		EVAPORATED OR RECEIVED		ON HAND	
ON HAND AT START OF DAY		RECEIVED DURING DAY		EXPENDED DURING DAY		REMAINING ON BOARD		ON HAND AT START OF DAY		EVAPORATED OR RECEIVED	
ON HAND		CONSUMED		ON HAND		CONSUMED		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		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	
1200 TO 1600		1600 TO 2000		2000 TO 2400		2400 TO 0400		0400 TO 0800		0800 TO 1200	
RUNNING TIME		DETENTION TIME		TOTAL REVOLUTIONS		AVERAGE R.P.M.		TOTAL MILES BY ENGINE		TOTAL MILES BY OBSERVATION	
PERCENT OF SLIP		BBL FUEL/MI		WIND DIRECTION		STATE OF SEA		STATE OF WEATHER			

REMARKS

1200-1600 WATCH

Plant Secured, working on #3 & #4 piles
filz & dry

WATCH ENGR'S SIGNATURE-

L. Lane

1600-2000 WATCH

Plant Secured,

WATCH ENGR'S SIGNATURE-

Lynde Wilson R.E.

2000-2400 WATCH

Plant Secured.

WATCH ENGR'S SIGNATURE-

Lynde Wilson R.E.

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

W. J. Laigle

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

W. J. Laigle

0800-1200 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

W. J. Laigle

CHIEF ENGINEER

<input checked="" type="checkbox"/>	BLS.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	PALK	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	TALK	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	CHL.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	PHOS.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	P.H. Cond.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	P.H.-D.C.	<input checked="" type="checkbox"/>
CHEMICALS ADDED		
<input checked="" type="checkbox"/>	ADJ.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	G.C.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	P.A.P.	<input checked="" type="checkbox"/>
STEAMING HOURS		
<input checked="" type="checkbox"/>	P.S.	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	M.S.	<input checked="" type="checkbox"/>

CHIEF ENGR'S SIGNATURE-

W. J. Laigle

USNS <i>John Pope</i>		VOYAGE NO. <i>13-7</i>	FROM <i>Houston, Texas, U.S.</i>	TO	TYPE OF VESSEL <i>R2-S2 R2</i>	DATE <i>9/25-29/68</i>	
		WATCH					
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200
RUNNING TIME							
DETENTION TIME							
REVOLUTION COUNTER (END OF WATCH)							
TOTAL REVOLUTIONS (FOR WATCH)							
AVERAGE RPM							
F.O. METER (END OF WATCH)							
F.O. CONSUMED							
MACHINERY PARTICULARS	PRESSURES	THROTTLE					
		H.P. AHEAD					
		L.P. AHEAD					
		VACUUM					
		L.O. TO TURBINES					
		AUX. STEAM					
		BACK PRESSURE					
		GLAND STEAM					
		H.P. BLEEDER					
		I.P. BLEEDER					
	L.P. BLEEDER						
	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					
TEMPERATURES (CONT'D)		AFT. H. P. ROTOR BEARING					
	FORWARD L. P. ROTOR BEARING						
	AFT. L. P. ROTOR BEARING						
	HOTTEST GEAR BEARING FORWARD						
	HOTTEST GEAR BEARING AFT						
	AUX. COND. CONDENSATE						
	1ST STAGE FEED WATER HEATER						
	D. C. FEED WATER HEATER						
	3RD STAGE FEED WATER HEATER						
	PRESSURES	F.O. TO BURNERS					
F. O. BACK PRESSURE							
AIR TO FURNACE							
UPTAKE							
MAIN STEAM							
SUPER HEAT							
F.O. TO BURNERS							
F.O. TEMP. IN SETTLING TANKS							
PORT BOILER UPTAKE							
STBD. BOILER UPTAKE							
MISCELLANEOUS	ENGINE ROOM TEMPERATURE						
	FIRE ROOM TEMPERATURE						
	NOZZLES IN USE						
	NO. OF BURNERS IN USE						
	BURNER TIP SIZE						
	CO ₂ % PORT BOILER						
	CO ₂ % STBD. BOILER						
	OIL LEVEL MAIN SUMP						

GENERATORS											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	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	RECEIVED DURING DAY	EXPENDED DURING DAY	REMAINING ON BOARD	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED																																					
1200 TO 1600																																																																	
1600 TO 2000																																																																	
2000 TO 2400																																																																	
2400 TO 0400																																																																	
0400 TO 0800																																																																	
0800 TO 1200																																																																	
LOW PRESS. EVAPORATORS (No. of hrs. operated) (Fresh water made gals.)																																																																	
L.O. CENTRIFUGE - HOURS OPERATED																																																																	
1200 TO 1600											1600 TO 2000											2000 TO 2400											2400 TO 0400											0400 TO 0800											0800 TO 1200										
SUMMARY																																																																	
RUNNING TIME																						PERCENT OF SLIP																																											
DETENTION TIME																						BBL FUEL/MI																																											
TOTAL REVOLUTIONS																						WIND DIRECTION																																											
AVERAGE R.P.M.																						STATE OF SEA																																											
TOTAL MILES BY ENGINE																						STATE OF WEATHER																																											
TOTAL MILES BY OBSERVATION																																																																	

REMARKS

1200-1600 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Clyde Wilson 9/2.

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Clyde Wilson 9/2.

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

Clyde Wilson 9/2.

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Wright

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Wright

0800-1200 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Wright

CHIEF ENGINEER

<input type="checkbox"/>	BURS.	<input type="checkbox"/>
<input type="checkbox"/>	P.A.K.	<input type="checkbox"/>
<input type="checkbox"/>	T.A.K.	<input type="checkbox"/>
<input type="checkbox"/>	CHL.	<input type="checkbox"/>
<input type="checkbox"/>	PHOS.	<input type="checkbox"/>
<input type="checkbox"/>	P.H. Cond.	<input type="checkbox"/>
<input type="checkbox"/>	P.H.-D.C.	<input type="checkbox"/>
CHEMICALS ADDED		
<input type="checkbox"/>	ADJ.	<input type="checkbox"/>
<input type="checkbox"/>	G.C.	<input type="checkbox"/>
<input type="checkbox"/>	ART	<input type="checkbox"/>
STEAMING HOURS		
<input type="checkbox"/>	F.S.	<input type="checkbox"/>
<input type="checkbox"/>	W.S.	<input type="checkbox"/>

CHIEF ENGR'S SIGNATURE-

W. J. Chamberlain

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

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

REMARKS

1200-1600 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

W. J. Wilson Jr.

1600-2000 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

W. J. Wilson Jr.

2000-2400 WATCH

Plant Secured

WATCH ENGR'S SIGNATURE-

W. J. Wilson Jr.

2400-0400 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Craig

0400-0800 WATCH

PLANT SECURED

WATCH ENGR'S SIGNATURE-

J. J. Craig

0800-1200 WATCH

Plant Secured, Skips on shore power
Ship force cleaning up tanks of #3 & #4
bills bilge dry

WATCH ENGR'S SIGNATURE-

J. J. Craig

CHIEF ENGINEER

<input checked="" type="checkbox"/>	BERS.	<input type="checkbox"/>
<input type="checkbox"/>	P.A.K.	<input type="checkbox"/>
<input type="checkbox"/>	T.A.K.	<input type="checkbox"/>
<input type="checkbox"/>	CHL.	<input type="checkbox"/>
<input type="checkbox"/>	PHOS.	<input type="checkbox"/>
<input type="checkbox"/>	P.H. Cond.	<input type="checkbox"/>
<input type="checkbox"/>	P.H.-D.C.	<input type="checkbox"/>
CHEMICALS ADDED		
<input type="checkbox"/>	ADJ.	<input type="checkbox"/>
<input type="checkbox"/>	G.C.	<input type="checkbox"/>
<input type="checkbox"/>	W.S.	<input type="checkbox"/>
STEAMING HOURS		
<input type="checkbox"/>	F.S.	<input type="checkbox"/>
<input type="checkbox"/>	W.S.	<input type="checkbox"/>

CHIEF ENGR'S SIGNATURE-

W. J. Wilson Jr.

[illegible]

REMARKS

1200-1600 WATCH

Plant Seamed, Ship on Shore power,
cleaning up take of #5 & #4. Boiler will
all valve of #5 & #3, fresh water tank &
open small hole plate.

WATCH ENGR'S SIGNATURE-

J. Lane

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

Capt. Wilson

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

Capt. Wilson

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

<input checked="" type="checkbox"/>	BERS. #	
<input type="checkbox"/>	P.A.L.K.	
<input type="checkbox"/>	T.A.L.K.	
<input type="checkbox"/>	CHL.	
<input type="checkbox"/>	PHOS.	
<input type="checkbox"/>	P.H. Cond.	
<input type="checkbox"/>	P.H.-D.C.	
CHEMICALS ADDED		
<input type="checkbox"/>	ADJ.	
<input type="checkbox"/>	G.C.	
<input type="checkbox"/>	...	
STEAMING HOURS		
<input type="checkbox"/>	F.S.	
<input type="checkbox"/>	W.S.	

CHIEF ENGR'S SIGNATURE-

J. Lane

USNS		VOYAGE NO.		FROM		TO		TYPE OF VESSEL		DATE															
		WATCH						WATCH																	
		1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200			1200 TO 1600	1600 TO 2000	2000 TO 2400	2400 TO 0400	0400 TO 0800	0800 TO 1200										
RUNNING TIME								MACHINERY PARTICULARS (CONT'D) TEMPERATURES (CONT'D)		AFT. H. P. ROTOR BEARING															
DETENTION TIME										FORWARD L. P. ROTOR BEARING															
REVOLUTION COUNTER (END OF WATCH)										AFT. L. P. ROTOR BEARING															
TOTAL REVOLUTIONS (FOR WATCH)										HOTTEST GEAR BEARING FORWARD															
AVERAGE RPM										HOTTEST GEAR BEARING AFT															
F.O. METER (END OF WATCH)										AUX. COND. CONDENSATE															
F.O. CONSUMED										1ST STAGE FEED WATER HEATER															
MACHINERY PARTICULARS		PRESSURES						MACHINERY PARTICULARS (CONT'D) TEMPERATURES		D. C. FEED WATER HEATER															
										3RD STAGE FEED WATER HEATER															
										F.O. TO BURNERS															
										F. O. BACK PRESSURE															
										AIR TO FURNACE															
										UPTAKE															
										MAIN STEAM															
										SUPER HEAT															
										F.O. TO BURNERS															
										F.O. TEMP. IN SETTLING TANKS															
PRESSURES		PORT BOILER UPTAKE																							
		STBD. BOILER UPTAKE																							
		ENGINE ROOM TEMPERATURE																							
		FIRE ROOM TEMPERATURE																							
		NOZZLES IN USE																							
		NO. OF BURNERS IN USE																							
		BURNER TIP SIZE																							
		CO ₂ % PORT BOILER																							
		CO ₂ % STBD. BOILER																							
		OIL LEVEL MAIN SUMP																							
TEMPERATURES		MISCELLANEOUS																							
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	METER AT NOON	METER PREVIOUS NOON	CONSUMED BY METER	ON HAND AT START OF DAY	EVAPORATED OR RECEIVED	ON HAND	CONSUMED	ON HAND AT START OF DAY	RECEIVED	ON HAND	CONSUMED	
1200 TO 1600																									
1600 TO 2000																									
2000 TO 2400																									
2400 TO 0400																									
0400 TO 0800																									
0800 TO 1200																									
LOW PRESS. EVAPORATORS (No. of hrs. operated)(Fresh water made gals.)												L.O. CENTRIFUGE - HOURS OPERATED													
												1200 TO 1600 1600 TO 2000 2000 TO 2400 2400 TO 0400 0400 TO 0800 0800 TO 1200													
SUMMARY																									
RUNNING TIME												PERCENT OF SLIP													
DETENTION TIME												BBL FUEL/MI													
TOTAL REVOLUTIONS												WIND DIRECTION													
AVERAGE R.P.M.												STATE OF SEA													
TOTAL MILES BY ENGINE												STATE OF WEATHER													
TOTAL MILES BY OBSERVATION																									

REMARKS

1200-1600 WATCH

WATCH ENGR'S SIGNATURE-

1600-2000 WATCH

WATCH ENGR'S SIGNATURE-

2000-2400 WATCH

WATCH ENGR'S SIGNATURE-

2400-0400 WATCH

WATCH ENGR'S SIGNATURE-

0400-0800 WATCH

WATCH ENGR'S SIGNATURE-

0800-1200 WATCH

WATCH ENGR'S SIGNATURE-

CHIEF ENGINEER

	BLAS.	
	PAK	
	YALK.	
	ONL.	
	PHOS.	
	P.H. Cond.	
	P.H.D.C.	
CHEMICALS ADDED		
	ADJ.	
	G.C.	
	A.C.	
STEAMING HOURS		
	F.S.	
	W.S.	

CHIEF ENGR'S SIGNATURE-

[illegible]