1963 Shipyard Refit

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

	PORT	DATE
S/S Esso Gettysburg		

Machinery

Boilers - Firesides

Open up firesides of (2) main boilers for examination by USCG and ABS. After examination close in good order. Scrape, wirebrush and clean all external heating surfaces.

Boilers - Waterside

Open up watersides of (2) main boilers including all manhole plates and (12) handhole plates each boiler. After examination close in good order and prove tight with working pressure hydrostatic test. All removed manhole and handhole plates are to be hardened up after boilers are steamed to 400 lbs.

Boiler Safety Valves - Consolidated 1557-JA & 1557 HC

Remove the Starboard Boiler Drum Forward Safety Vale and send to an approved service shop for overhaul. Renew defective parts, make tight, prove tight and set for 965 P.S.I. Reinstall using new gasket and renew defective nuts and bolts. Remove lifting gear and assist in setting boiler safety valves and superheater relief valve and connect up lifting gear on (4) Boiler safety valves and (2) superheater relief valve

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED

DATE

BY

SUPERVISING ENGINEER

THIS FORM TO BE MADE OUT IN QUADRUPLICATE.

ORIGINAL - TO BE HANDED TO THE REPAIR INSPECTOR OR IN HIS ABSENCE TO THE AGENT.

(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 320).

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

/S Esso Gettysburg	PORT	DATE

Boiler Safety valves. Consolidated 1557-JA
Remove two (2) Drum Safety Valves from
Main Boilers, ~~Port Boiler Aft~~ FWD S.tbd Boiler
Forward. Stbd superheater safety valve.
Send to approved service shop
for overhaul. Renew any defective parts.
Prove tight and set to 965 PSI gauge
under steam pressure.

Re-install using new gaskets. Renew any
defective bolts & Nuts. Replace removals in
way of work. Test and prove valves in good
condition. Follow up on nuts when valves
are hot.

Test out main and superheater safety valves
after steam has been raised. Set valves
to requirements of U.S.C.G. Connect lifting
gear and replace all removals in good
order.

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED _____ BY _____

DATE SUPERVISING ENGINEER

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(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 320).

1963 Shipyard Repair.

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

Boiler Brickwork

Repair brickwork and refractories of two (2) main boilers. Remove slag and level furnace floors. Renew corbels in way of water wall headers and lower drum. Renew superheater baffles and patch front wall. If necessary, renew shaped burner arches, short bladed cones and diffusers in way of twelve (12) burner openings. Note that Starboard Boiler has left hand rotation short bladed cones and diffusers. Apply one coat of brick-seal to all brick surfaces except the floor. Remove debris from fireroom and vessel as it is removed from furnaces. Approximately 3000 lbs. Kaocast and 250 sq. ft. brick required. (Bladed cones and diffusers supplied by vessel).

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

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(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 320).

* Means on 1762 Shipyard Repair List but wasn't done.

1962 Shipyard Repairs

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

	PORT	DATE
S/S Esso Gettysburg		

* Main Condenser

Open main condenser for examination, remove access cover plates, thoroughly brush and clean tubes and tube-sheets. Renew zinc plates and any defective studs and nuts. Repair any damaged areas of Neoprene coating. Test condenser to 15 lbs. hydrostatic pressure and prove tight with Spectrotest. Make tight all leaks. Special attention to be given to tube packing. Tighten all packing if necessary and renew as necessary. Close up in good order with new gaskets. Harden up on exhaust flange. Shore up condenser for hydrostatic test before felling. Upon completion of work condenser is to be drained and shores removed.

(Note: For about a year now there has been salt in the condensate which comes and goes in much the same manner as happened three years ago, when the tube packing was found to be leaking. It is not much and we have been using sawdust to seal the leaks for about a year. It has been necessary to keep the boilers on the evaporator almost constantly and consequently the consumption of boiler chemicals has been enormous.)

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

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1963 Shipyard Repairs

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

Steam Lines - Engine Room

* Renew one (1) 1¼" welded steel union in the steam supply line to the Generator Steam Seal Regulating Valve.

* Remove to shop one (1) steam inlet piece to port main air ejector. Remove lower blank cover over strainer and machine seat in way of steam cuts which are now filled with uciduvum. Take equal amount off blank cover and make tight using new gaskets. Reinstall in good order renewing any defective studs, bolts and nuts. Replace insulation in good order.

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED

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SUPERVISING ENGINEER

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(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 320).

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

/S Esso Gettysburg | PORT | DATE

Renew twelve (12) feet x/4" straight flanged copper pipe on sanitary line, aft shaft alley, stbd side #3 Fuel Pump. Underneath floor plates. DONE IN SAN PEDRO

Renew one (1) section of bent, flanged X heavy steel pipe 12 ft x 6" Two (2) bends one 5# 90° elbow flanged side outlet, one (1) 2½" flanged side outlet one (1) 1½" threaded spud. Main drain line at the drain collection tank.

Renew 12 ft. section 4" copper pipe bent, flanged with 1- 1½" side outlet. LP Evaporator salt water supply

Water outlet from #1&2 M.C.P. Turbine. Renew approx. 6 feet double bends, flanged, 3" copper pipe, reduced one end to 2", with 2, 1 inch side outlets

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

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REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

/S Esso Gettysburg	PORT	DATE

Salt water cooling Circulating Pump.
Warren 6-DBV-11 Serial 47603

Remove pump to shop. Build up casing in way of bearings & wearing rings. Machine bearing landings & wearing rings in alignment. Renew parts as necessary. Close up in good order with new packing. Note: There are 10 defective shafts in the scrap pile, taken from this pump. Shafts are either broken or worn egg-shaped in way of bearings. Align pump to motor, drilling and reaming new dowel holes

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED
DATE

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REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

Dead Overhaul relief valve on 90# steam line. Remove to shop, machine disc & seat as necessary. Test and set to 180 lbs. 2½" valve.

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

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REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

/S Esso Gettysburg	PORT	DATE

Valves - Engine Room.

Remove to shop, overhaul, renew defective parts, machine as necessary, grind in, lap & re-assemble, prove tight & and re-install in good order using new gaskets, renew defective stud & nuts.

One (1) 6" Exhaust valve, Spring Loaded, #3 Feed Pump.

One (1) 5" Stop Check valve

~~One (1) 4" Overboard Gate valve from Air Conditioning Condenser.~~ Valve has been freed up. E.C.W.

Renew One (1) 4" flanged globe valve between Sanitary Pump discharge line and cooling water reducing valve. Valve has been ordered.

Renew one (1) 3" Globe Stop Check Valve (supplied by vessel) from cooling salt water service 30# line to Generator Coolers. Note: Valve has been removed and blanks installed. New 3" valve ordered 12/15/62.

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

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REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

Ahead & Astern Throttles.

Open up ahead & astern throttles. Grind in, Machine discs & seat if necessary. Renew rings. Renew slack motain between disc & stem. Re-pack. Close up in good order using new gaskets.

Renew gaskets in steam line at throttle manifold and gasket on strainer cover.

Warm-up line to Main Turbine

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED _____ DATE

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1963 Shipyard Repair

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

Electric Motor Starting Boxes - D.E.

Repair or renew the panel boards in the following motor starting boxes:

Starting Box for Main Circulating Pump
" " " Fwd. Port Forced Draft Blower
" " " Aft. " "
" " " Aft. Stbd. " "

Renew panel disconnect switches and any defective cable, lugs, studs, nuts, etc.

Boards are burnt in way of bolts holding switch. Require an inserted patch or renewal of entire board.

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

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* Means on 1762 Shipyard Repair list but wasn't done.

1763 Shipyard Repairs.

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

* Circulating and Feed Water Supply Pump - L.P. Double Effect Distilling Plant

Disconnect and remove present pump and motor from foundation. Make necessary alterations to pipe lines, foundation, etc. and install original pump and motor, supplied by vessel. Connect up, test and prove in good order.

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

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1963 Shipyard Repair

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

* Aft Fuel Oil Service Pump - De Laval

Remove the aft fuel oil service pump to shop. Open for examination. Remove rotor, housing, bearings, washers, etc. Build up shaft by welding in way of packing and bearings as necessary. Machine to original size. Renew sleeves, bushings, bearings, washers and end plates. Check and adjust end clearances. Reassemble in good order using new gasket and renewing any defective studs, bolts and nuts. Reinstall and connect up pump and motor in true alignment. Repack stuffing box with approved packing. Pack coupling with approved grease. Test and prove in good order.

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

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196 Shipyard Repairs

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

Steam Stripping Pumps - Port and Starboard - Warren 16 X 14 X 18

Open up and overhaul two (2) Warren 16 X 14 X 18 Vertical Duplex Cargo Stripping Pumps. Rebush valve gear, renew or repair defective parts, remove lost motion and readjust. Repack. Open up liquid end valve chests. Remove and machine suction and discharge valve seats and replace in good order. Renew defective parts, supplied by vessel. Reassemble and close up in good order using new gaskets and renewing any defective studs, bolts and nuts. Test and prove in good order.

Note: There has been frequent trouble with the rods (steam and liquid) becoming loose in the crossheads. Machine these rods and crossheads as necessary to make them tight and prevent their loosening in service, (Rough service, that is).

The lower plug in the inboard liquid cylinder of the Port Stripping Pump is loose and is prevented from backing out more by a wood wedge driven underneath it. There is only about 3/4" space between plug and foundation plate. Plug is recessed for square tool. Tighten up and braze it in place. Notably defective moving pump.

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

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(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 320).

* means on 1962 shipyard repair list but work not done.

1963 Shipyard Repair

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

* Paint Starboard Aft Potable Water Tank (48 Ton Capacity)

Thoroughly scrape, wirebrush, clean and remove all scale, rust and debris from the starboard aft potable water tank and from vessel. Upon completion of satisfactory cleaning and preparation apply Owner approved paint for drinking water tanks as directed by Owner's Representative. It may be necessary to sand-blast.

* Drain Lines - Stewards Dry Stores Storeroom

Alter drain pipe lines passing through Stewards' Storeroom to conform with new U. S. Public Health rules. (Pipe fittings and plugs must be welded).

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

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(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 320).

1953 Shipyard Repairs

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

Galley

Remove splash-backs and pan-racks from two (2) electric ranges and install stainless steel sheet on aft bulkhead in way of racks and splash-backs. Require approximately 3 ft. 6 inch high by 9 ft. long stainless steel sheet. (See Mr. Hodges, Port Steward, if additional information required).

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED

DATE

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SUPERVISING ENGINEER

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(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 320).

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

/S Gettysburg	PORT	DATE

~~Gettysburg~~

Renew steam lines on cargo heating coils from manifolds to tanks. Pipe to be installed with fittings as original. Approx. 40 ft each of ~~1½" steel pipe~~. #4 S, 5 P&S, #1 P&S #2 P&S, #8 P&S, #7 P&S. Total of eleven (11) 2" X heavy steel Pipes

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

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REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

/S Pettyplung	PORT	DATE

After Anchor Windlass.
Renew thrust washers on intermediate shaft.
Renew guard over gears. Thrust washers are ~~on Order 7/11/62~~ on board.

9 Mooring Winch
Renew section 3" steel steam line. 2 flanges, 1 - 90° bend. Approx 12'-6" long.
One section 18" long. 1 - 90° bend. 2 flanges.

Renew hydraulic tubing on brake cylinders on mooring winches. 3/8" steel tubing approx 2 ft long. With fittings. Suggest stainless steel tubing. Total 12 winches.

Install steam stop valve on midship Cargo winch. 2 1/2" Globe valve.
No Valve.

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED _____ DATE

BY _____ SUPERVISING ENGINEER

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196? Shipyard Repairs

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

Tailshaft

Take wear down wedge and submit reading to Owner's Representative.

Zinc Plates – Rudder, Rudder Horn and Stern Frame

Renew as necessary welded strap type zinc plates, size 12" x 6" x 1" each on stern frame, rudder horn, and rudder.

Stern Gland

Repack Stern Gland using packing of the proper size and approved by Owner's Representative. Supply vessel with two (2) additional turns for spare. Special attention to be given to location of lantern ring.

Repack Rudder Post

SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED _____ DATE

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1963 Shipyard Repairs.

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

* No. 1 Main Feed Pump Turbine - G.E. 575 H.P. - Removed Renew defective parts of No. 1 feed pump turbine. (Turbine was removed ~~Sept~~ Oct. and Nov. 1961 Shipyard period, and stored midship. A new casing was ordered at that time with delivery anticipated in about 6 weeks). Reinstall in good order and prove in good order. Remove rust and paint areas requiring paint. Renew insulation as original. To be supervised by G.E. Service Engineer.

J. F. Smith
SIGNATURE CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED
DATE

BY
SUPERVISING ENGINEER

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(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 320).

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1963 Shipyard Repairs.

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

* No. 1 Main Feed Pump Turbine - G.E. 575 H.P. - Removed Renew defective parts of No. 1 feed pump turbine. (Turbine was removed [redacted] Oct. and Nov. 1961 Shipyard period, and stored midships. A new casing was ordered at that time with delivery anticipated in about 6 weeks). Reinstall in good order and prove in good order. Remove rust and paint areas requiring paint. Renew insulation as original. To be supervised by G.E. Service Engineer.

J. F. Smith
SIGNATURE OF CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED
DATE

BY
SUPERVISING ENGINEER

QUADRUPLICATE - TO BE RETAINED IN THE MASTER'S FILES.

(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 820)

EXX-MOR-006143

1963 Shipyard Refit

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

S/S Esso Gettysburg	PORT	DATE

Machinery

Boilers - Firesides

Open up firesides of (2) main boilers for examination by USCG and ABS. After examination close in good order. Scrape, wirebrush and clean all external heating surfaces.

Boilers - Waterside

Open up waterrides of (2) main boilers including all manhole plates and (12) handhole plates each boiler. After examination close in good order and prove tight with working pressure hydrostatic test. All removed manhole and handhole plates are to be hardened up after boilers are steamed to 400 lbs.

Boiler Safety Valves - Consolidated 1557-JA+ 1557 HC

Remove the Starboard Boiler Drum Forward Safety Vale and send to an approved service shop for overhaul. Renew defective parts, make tight, prove tight and set for 965 P.S.I. Reinstall using new gasket and renew defective nuts and bolts. Remove lifting gear and assist in setting boiler safety valves and superheater relief valves and connect up lifting gear on (4) boiler safety valves and (2) superheater relief valves

SIGNATURE OF CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

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(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 820)

EXX-MOR-006144

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

/S Esso Tittysburg	PORT	DATE

Salt Water Cooling Circulating Pump.
Warren 6-DCV-11 Serial 47603

Remove pump to shop. Build up casing in way of bearings + wearing rings. Machine bearing landings + wearing rings in alignment. Renew parts as necessary. Close up in good order with new packing. Note: There are 10 defective shafts in the scrap pile taken from this pump. Shafts are either broken or worn egg-shaped in way of bearings. Align pump to motor drilling and reaming new dowel holes

SIGNATURE OF CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

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(REFER TO MARINE REGULATIONS, CHAPTER VIII, SECTION 1, ARTICLE 820)

REQUIREMENTS FOR MAINTENANCE & REPAIRS OF VESSEL — PRELIMINARY WORK SHEET GEN-MAR-SH-39C

/S T. Hyburg | PORT | DATE

After Anchor Windlass.
Renew thrust washers on intermediate shaft.
Renew guard over gears. Thrust washers are
~~on order 7/11/62~~ on board.

1 Mooring Winch
Renew section 3" steel steam line. 2
flanges 1 10° bend. approx 12'-6" long.
Own section 18" long. 1-10° bend. 2 flanges.

Renew hydraulic tubing on brake cylinders on mooring winches. 3/8" steel tubing
approx 2 ft long. With fittings. Suggest stainless steel tubing. Total 12 winches.

Install steam stop valve on midship
cargo winch. 2½" slab valve.

SIGNATURE OF CHIEF ENGINEER OR CHIEF OFFICER

SIGNATURE MASTER

APPROVED
DATE

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SUPERVISING ENGINEER

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