

Newport News Shipbuilding and Dry Dock Company

JOB ORDER

Order No. 717-S(Supt. 1) April 23 1963

For SS ESSO GETTYSBURG

By Contract \$..... DESCRIPTION

CANCEL ITEM 57 - THIS ITEM COVERED ON 690-S

ole 87,961

MESSRS:

Rutter  
Boykin  
Howell  
Borders  
Feddeman  
ALL FOREMEN  
Hiemenz  
Knight  
Challoner  
Hassell  
USCG-1  
ABS-1

mlh/120

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Humble Oil & Ref. Co.  
Ordered By thru Mr. Challoner  
Proceed with work and charge to J. O. 717-S  
L. C. Robertson  
Cost Engineer Manager of Ship Repair

# Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S (Supt., 2) April 29 19 63

For SS ESSO GETTYSBURG

By Contract \$ DESCRIPTION

CANCEL ITEM 58 AND REPLACE WITH THE FOLLOWING:

9200  
58-A. HULL PAINTING (113)

A. All bare and rusty areas of the entire exterior shell surface from keel to rail to be thoroughly sand-swept. Oil and grease to be removed using approved solvent, then washed down with fresh water under pressure, and Humble paints applied as specified.

B. Keel to Light Load Line, Rudder and Stern Frame  
Apply two (2) coats of modified epoxy primer #566 to all bare areas. Then apply one (1) full coat of modified #567 and one (1) full coat of modified epoxy #591. (This does not include 7300 sq. ft. of sandblasted surface covered in separate item).

C. Light to Deep Load Line  
All bare spots to be touched up with two (2) coats of modified epoxy #566. Then apply one (1) full coat of modified #567 and one (1) full coat of modified epoxy #591.

D. Deep Load Line to Rail (topsides)  
Touch up all bare spots with two (2) coats of modified epoxy #566. Then apply one (1) full coat of modified epoxy #567 and one (1) full coat of modified epoxy #597.

E. Miscellaneous  
Repaint vessel's name, hailing port, plimsol marks and draft marks.

F. General - Paint will be supplied by Owners. Paint may be sprayed on. Drying time allowed between each coat of primer or paint to be in full accordance with Manufacturer's recommendations. All surfaces to be inspected and approved by Owner's Representative before applying priming coat and before applying each additional coat. No painting to be done except during clear and dry weather.

59-A. DECK SANDBLASTING AND COATING

Substitute After Boat Deck and Fidley Deck in lieu of Poc'sle  
MESSRS: and Fwd. Main Deck.

Rutter

Boykin

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mlh/65

Humble Oil &amp; Ref. Co.

Ordered By thru Mr. Challoner

Proceed with work and charge to J. O. 717-S

L. C. Robertson

Cost Engineer

Manager of Ship Repair

Klink

Newport News Shipbuilding and Dry Dock Company

JOB ORDER

Order No. 717-S(Supt. 3) May 2 1953

For SS ESSO GETTYSBURG

By Contract \$.....

DESCRIPTION

CANCEL ITEM 89 - THIS ITEM HAS BEEN TRANSFERRED TO  
J.O. 728-S.

MESSRS:

Rutter  
Boykin  
Howell  
Borders  
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ALL FOREMEN  
Hiemenz  
Knight  
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L. C. Robertson  
Cost Engineer Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 4) May 6 1963For S.S. ESSO GETTYSBURG

By Contract \$..... DESCRIPTION

CANCEL ITEM 84.

CANCEL ITEM 50 PARA. "B"

CANCEL ITEM 70

66-A. VENTILATION

Change this item to read ventilation to void space under steward's store room.

67-A. AIR SUCTIONChange title of item to "AFT FIRE ROOM VENTILATION SUCTION".  
Cancel stainless steel insect screen.

## MESSRS:

Rutter  
Boykin  
Howell  
Borders  
Feddeman  
ALL FOREMEN  
Hiemenz  
Knight  
Challoner  
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Godsey  
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Ordered By thru Mr. ChallonerProceed with work and charge to J. O. 717-SL. C. Robertson  
Cost Engineer Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 5) May 7 19 63

For SS ESSO GETTYSBURG

By Contract \$

## DESCRIPTION

4150

97.

*Insurance Claim No.*STARBOARD 750 KW GENERATOR AND 7.5 KW EXCITER

a. Make necessary removals, disconnect starboard 750 KW generator and 7.5 KW exciter, remove from vessel, crate and ship via prepaid motor freight to:

General Electric Shop  
1403 Ingram Avenue  
Richmond, Virginia  
Attention: Mr. R. O. Anderson  
MARKED: From SS ESSO GETTYSBURG

b. Take delivery of Owner furnished repaired 750 KW generator and 7.5 KW exciter, install on vessel, connect up coupling in correct alignment, connect up leads, and replace all removals in good order. Test and prove generator in good working order.

2600

98.

*Insurance Claim No.*MAIN CIRCULATOR PUMP MOTOR -GE,HP-200 - (303)

Disconnect and remove to shop the main circulator pump motor. Thoroughly clean rotor and stator windings with approved solvent. Bake until satisfactory megger readings are obtained, apply one (1) coat of approved insulation varnish. Renew stator shaft (furnished by Owners), install coupling, (remove from broken shaft). Reassemble, renew ball bearings (bearings to be packed with approved grease). Reinstall and connect up motor in true alignment and prove in good operating condition.

1400

99.

*Insurance Claim No.*MAIN CIRCULATING PUMP -WARREN- SIZE 3 USLMV-GPM 25000 (303)

Open up main circulating pump for examination. If necessary install spare impeller assembly. Prove grease connections clear. Close up, adjust clearances, rejoin, repack, test and prove in good working order. Replace all removals in good order.

## MESSRS:

Rutter  
Boykin  
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Feddeman  
Overman  
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Hiemenz  
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ABS-1  
mlh/85

Mr. Ireland, Humble Oil & Ref. Co.  
Ordered By.....thru Mr. Challoner

Proceed with work and charge to J. O. 717-S

L. C. Robertson

Cost Engineer

Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S (Supt. 6)

May 8

19 63

For SS ESSO GETTYSBURG

By Contract \$.....

## DESCRIPTION

## 100. 750 KW STARBOARD GENERATOR TURBINE AND GEARS

## INSURANCE CLAIM NO.

A. Take delivery of Owner furnished turbine and gears and send to shop.

Disconnect and remove to shop bottom and top turbine casing of starboard generator turbine.

Rebuild ship's turbine using parts from Owners furnished turbine under supervision of DeLaval Service Engineer.

Reinstall and realign.

Open reduction gear casings for examination, check and record all clearances. Renew worn bearings and adjust to proper clearances. Open up lube oil pump, check all parts for wear and defects. Renew defective parts, examine all orifice plates in lube oil system for wear. Open for examination nozzle strainer for gears, clean, renew gaskets and replace in good order. Renew all enlarged orifice plates, also overhaul and adjust all relief valves. Open up governor and control, check relays, valves, etc. for wear and renew defective parts. Upon completion of work close up all in good order. Clean oil sumps on completion of work and close immediately after being inspected by Owner's Representative. (Parts and bearings furnished by Owners). Furnish five (5) typewritten copies of all readings before and after adjustments are made, to Owner's Rep.

Disconnect, clean and connect all oil piping.

Thoroughly clean, test, and prove lube oil coolers tight, renew zinc plates.

Upon completion of work, close up all in good order. Test and adjust overspeed trip and prove turbines, gears and generator in good operating condition under load.

B. Generator Turbine Atmospheric Relief Valve -Size 8". Remove to shop atmospheric relief valve, open up, repair fracture in valve body at flange, hydrostatic test, prove tight, machine, seat and disc, grind in, renew worn or defective parts, re-assemble, renew bonnet gasket, defective bolts and nuts, test to required pressure, prove tight, and in good working condition. Return and install on generator turbine, renewing flange gaskets, bolts and nuts, prove tight.

C. One (1) 20" expansion joint stainless steel, 20" dia. one end, 24" dia. other end, for generator exhaust line. Ordered by Mr. Ireland Humble Oil & Ref. Co. thru Mr. Challoner 717-S. Proceed with work and charge to J. O.

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Howell

Borders

Feddeman

Baxter

Overman

Klink

Webb

Schmidt

Hiemenz

Cost Engineer

Knight

Challoner

Hassell

Godsey

USCG-1

ARS-1

L. C. Robertson

Manager of Ship Repair

mlh/80

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 8) May 9 1963For SS ESSO GETTYSBURG

By Contract \$.....

## DESCRIPTION

- 520 21-A. CONTROLLERS (303)  
Repair controller for fwd. stbd. force draft fan motor,  
HP 175.
- N.C. 26-A. CARGO PIPE (523)  
(d). Use galvanize pipe.  
(e) Cancel galvanize pipe. Sandblast pipe inside and outside  
and coat with Humble Rust Ban 191.

CANCEL ITEM 59 DECK SANDBLASTING AND COATING

- 43-A. ANCHOR CHAINS (103)  
Cancel "Renew one (1) patent link stbd. anchor chain".  
(Renewed at last port).

- 2000 91-A. ALCOHOL AND SOLVENT CONVERSION  
(M) Discharge and Loading Lines on Main Deck *credit 2100*  
Use 6" instead of 8" for filling or drop lines, install  
as per sketch.  
Cancel the two (2) 8" loading and discharge lines for-  
ward of midship house.

(P) CANCEL - GRatings Forward Main Deck *credit 3865*

- 2000 (W) Furnish four (4) drawings of the completed Alcohol  
and Solvent System.

## MESSRS:

Rutter  
Boykin  
Howell  
Borders  
Feddeman  
ALL FOREMEN  
Hiemenz  
Cooper  
Challoner  
Hassell  
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Mr. Ireland, Humble Oil & Ref. Co.  
Ordered By..... thru Mr. Challoner.....

Proceed with work and charge to J. O. 717-S

L. C. Robertson  
Cost Engineer Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S (Supt. 8)

May 9

1963

For SS ESSO GETTYSBURG

By Contract \$

## DESCRIPTION

13600

## 101. CARGO TANK BALLAST PIPING (523)

Renew the following sections of cargo tank ballast piping (using extra heavy steel pipe). Sandblast pipe inside and outside and coat with Humble Rust Ban 191, also 12" Dresser couplings. Hydrostatic test pipe to 125 lbs. Prove tight

#10 Center- 12" dia. x 36'-6" long, two bends, 2 dresser couplings - one butt weld.

#9 Center - 12" dia. x 36'-6" long, straight, 2 Dresser couplings, one butt weld.

#8 Center - 12" dia. x 36'-9" long, straight, 2 Dresser couplings, one butt weld.

#7 Center - 12" dia. x 36'-9" long, straight, 2 Dresser couplings, one butt weld.

#6 Center - 12" dia. x 35'-8" long, straight, 2 Dresser couplings, one butt weld; one (1) 12" dia. long side outlet, one (1) 12" dia. x 17" long bottom outlet.

One section port to stbd.-12" dia. x 43' long, straight, 2 Dresser couplings, 3 welds, one (1) 12" dia. x 17" long top outlet welded to above bottom outlet.

One section 12" dia. approx. 8'-9" long, one bend, flanged one end, welded to above side outlet, one 12" flange gasket with one (1) 8" dia. side outlet approx. 4" long.

One section 8" dia. approx. 30" long, straight, flanged one end, 90 deg. welded elbow other end, welded to above 8" side outlet, 1 - 8" flange gasket.

#4 center - one (1) section 12" dia. approx. 9' long, straight, flanged one end, 90 deg. welded elbow other end, one 12" flange gasket.

One section port to stbd.-12" dia. x 43' long, straight, 2 Dresser Couplings, three welds, one (1) 12" dia. x 18" long top outlet welded to above 90 deg. elbow, one (1) 12" dia. x 12" long side outlet.

One section 12" dia. approx. 8' long, one bend, flanged one end, welded to above side outlet, one 12" flange gasket, one 8" dia. x 4" side outlet.

One section 8" dia. approx. 30" long, straight, flanged one end, 90 deg. welded elbow other end, welded to above side outlet, one (1) 8" flange gasket.

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Cost Engineer

Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 9) May 10 1963

For SS ESSO GETTYSBURG

By Contract \$ DESCRIPTION

- 3525 102. CARGO PUMP TURBINES (503) - G.E.  
Open governor control valves of #1, #2 and #4 cargo pump turbines for examination, renew worn and damaged parts, test main valve seat for tightness, renew if found leaking, examine air operated valve and speed changer. Check all parts for wear and defects, renew defective parts. Reassemble, renew gaskets, defective cap bolts, studs and nuts. Test and adjust overspeed trip, low pressure trip, prove in good operating condition. Renew or replace disturbed insulation as original. Parts furnished by vessel. Work to be under supervision of G. E. Service Engineer.
- 2800 103. CARGO TANK BALLAST PUMP TURBINE (503) -G.E.  
Open casing and bearings for examination, check clearances. Renew defective bearings. Polish rotor shaft and housing in way of carbon packing. Renew carbon rings, install four rings each end of turbine instead of three. Open lube oil pump and speed changer, check all parts for wear and defects, renew defective parts. Clean bearing housings and strainers, test lube oil cooler, prove tight. Reassemble, renew gaskets, defective studs, bolts, hex head bolts and nuts.  
  
Open governor control valve for examination, renew worn and damaged parts, test main valve seat for tightness, renew if found leaking. Examine air operated valve and speed changer check all parts for wear and defects, renew defective parts. Reassemble, renew gaskets, defective cap bolts, studs and nuts. Test and adjust overspeed trip, low pressure trip, prove in good operating condition. Renew or replace disturbed insulation as original. Parts furnished by vessel. Work to be under supervision of G. E. Service Engineer.
- 150 104. CARGO TANK BALLAST PUMP, WORTHINGTON 8LN18V01 (503)  
Remove seal cage in coupling end packing box of cargo tank ballast pump. Give ring clearance. Repack with approved 1/2" packing.
- 50 105. 8" GATE VALVE  
Remove from Owner's storage in yard one (1) 8" gate valve. Deliver to engine room ESSO GETTYSBURG. Valve marked 513-S, in Bldg. #543.

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MESSRS:  
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Boykin  
Howell  
Borders  
Feddeman  
Baxter  
Overman  
Klink  
Webb  
Schmidt

Mr. Ireland, Humble Oil & Ref.  
Ordered By Co. thru Mr. Challoner

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L. C. Robertson  
Cost Engineer Manager of Ship Repair

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Challoner  
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Godsey  
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ABS-1  
mlh/80

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S (Supt. 10) May 10 1963

For SS ESSO GETTYSBURG

By Contract \$.....

## DESCRIPTION

## 59-B. DECK SANDBLASTING AND GOATING (CORROSION PROJECT)

Shipyard is to supply all equipment, labor, power, materials (not including paint), lighting, etc., required to carry out this item. Suitable covers over all cowl and vent openings will be required to prevent sand and dust from filtering into any machinery space. Doors and skylights to be taped shut where possible. Emergency generator room and engine room to be vacuumed upon completion if dust accumulation in these spaces is excessive. Sand blast to white metal approximately ten thousand five hundred (10,500) square feet of deck surfaces as follows:

Boat deck aft; boat deckhouse top; Fidley deck, including top of galley; deck locker; battery locker; emergency diesel generator room; fan rooms, including approximately three inches of coaming and deckhouse in way of sandblasted decks.

Blasting to be scheduled in such a manner that surfaces will be reasonably bright at the time of coating application.

Spray apply two (2) coats of Humble Epoxy-Mastic 9664 Red.

Minimum dry film thickness per coat - five mils - drying time between coats - twenty-four hours.

NOTE: The drying time indicated above for the body and finish coats of the coating system are the so-called "normal" drying periods required for the coating materials to be applied. The "normal" drying times are offered for guidance only.

For any particular coating application, the prevailing atmospheric conditions may shorten or extend the required drying time beyond the "normal" period. Accordingly, the decision as to when each particular coating is ready for overcoating, etc., will be made by the Owner's Representative or appointed inspector.

Surface preparation and application of coating to meet approval of Owner's Representative.

Paint will be supplied by Owners.

## MESSRS:

Rutter  
Boykin  
Howell  
Borders  
Feddeman  
Neill  
McWilliams  
Klink  
Hiemenz  
Knight

Mr. Ireland, Humble Oil & Ref.

Ordered By Co. thru Mr. Challoner

Proceed with work and charge to J. O. 717-S

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Cost Engineer

Manager of Ship Repair

Challoner

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Newport News Shipbuilding and Dry Dock Company

JOB ORDER

Order No. 717-S(Supt. 11) May 13 1963

For SS ESSO GETTYSBURG.

By Contract \$..... DESCRIPTION

118. STEAM LINE TO DEEP TANK HEATING COILS(103)  
Crop and renew one (1) section 1" dia. x 9' long, bent, flanged  
one end, X-heavy steel pipe in steam line to deep tank heating  
coils, located fwd. pump room, at manifold.

MESSRS:

Rutter  
Boykin  
Howell  
Borders  
Feddeman  
ALL FOREMEN  
Hiemenz  
Knight  
Challoner  
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L. C. Robertson  
Cost Engineer Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 11) May 13 1963For SS ESSO GETTYSBURG

By Contract \$..... DESCRIPTION

CANCEL ITEM 28 - CARGO HEATING STEAM PIPE200 99-B. MAIN CIRCULATING PUMP-Warren-Size 3USLMV-6PM 25000 (303)INSURANCE CLAIM NO.

Remove complete defective rotating element, including casing rings, bearings and couplings. Crate and ship via motor freight, prepaid, to:

U. S. Metallic Packing Company

150-170 Lynhurst Avenue

Rose Bank

Staten Island 5, New York

MARKED: "FROM SS ESSO GETTYSBURG

Repair and Return to Vessel"

300 10-A. MAIN CONDENSER (303)

Renew five (5) air nozzle baffle plates for main condenser water box. Brass, approx. size 1/2" x 10" x 5", drilled with 1" dia. orifice in center of each hole, and two (2) 13/16" holes.

80 106. BOILER VALVES (303)

Renew one (1) packing gland eye bolt and renew welded steel lug for gland eye bolt, one each for two 3/4" boiler valve bonnets. Bonnets removed and replaced by ship's crew. Approx. size each bolt 7/16" dia. x 2 1/2" long.

125 107. LOW PRESSURE DOUBLE EFFECT DISTILLING PLANT (303)

- a. Crop 1 1/2" Cu-Ni feed line to 2nd effect in way of defective weld, install 1 1/2" brass tee.
- b. Renew two (2) 1 1/4" steel flanges in feed line to 1st effect  
Use brass flanges.

275 108. STRAINER BASKET FOR SALT WATER REDUCING VALVE STRAINER(303)

Renew one (1) strainer basket for salt water reducing valve strainer. As per sample. Approx. size 7 1/2" I.D. x 10". Use monel material.

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Cost Engineer

Manager of Ship Repair

- 250 18-A. RELIEF VALVE FOR FEED PUMPS (303)  
Remove from vessel to shop one (1) 2½" feed pump discharge relief valve, open, machine, seat and disc, grind in, renew defective parts, reassemble, renew bonnet gasket, test, prove tight at required pressure (1150 lbs). Deliver to vessel's Engine Dept. storeroom.
- 275 87-A. VALVES - ENGINE ROOM (303)  
Scrap 8" globe stop check valve.  
Install Owner's furnished 8" gate valve.  
Furnish and install one (1) 8" dia. x 7½" flanged Cu-Ni spool in way of above gate valve and pipe.
- 300 109. MAIN CONDENSER  
INSURANCE CLAIM NO.  
Remove LP turbine inspection plate and inspection plate from condenser well for examination. Clean bottom of condenser and condenser well. Replace inspection plates, renew gaskets, prove tight.
- 150 18-B. ENGINE ROOM ATMOSPHERIC VALVE ESCAPE PIPE (303)  
Install in 5" elbow of escape pipe from engine room atmospheric valve one (1) 4" dia. x 9" long flanged nipple. Install bolted blank.
- cancelled 110. STEAM OUT LINE TO MAIN CIRCULATOR SEA CHESTS (303)  
Renew defective section of 3/4" dia., flanged, bent pipe, steam out line to main circulator sea chests. Use extra heavy steel pipe, approx. 16 ft. long.
- 75 111. DRAIN LINE FROM STBD. IK SOOTBLOWERS (303)  
Reweld 1/4" steel nipple drain from bottom IK sootblower starboard boiler.
- 200 112. GASKETS -MACHINERY SPACE (303)  
a. Renew 1½" flexitallic gasket inlet flange of angle cutout valve to air ejector reducing valve.  
b. Renew inlet flange gasket of 5" master steam smothering valve.
- cancelled 113. STEERING GEAR OIL VALVE (303)  
Remove to shop one (1) 1½" valve tagged D on top of port forward steering gear room. Vee out porous weld and reweld. Test to required pressure, prove tight and reinstall using new gaskets. Remove air from system. Test and prove in good operating condition.
- 750 25-A. CARGO VALVES AND REACH RODS (513)  
Disconnect and remove to shop the following cargo tank ballast valves. Open, machine seats and discs, grind in, renew bonnet gaskets, repack valve stem, reassemble, renew defective bolts and nuts. Test to required pressure, prove tight, Reinstall, renew gaskets, bolts and nuts, prove tight.  
#4 center tank - one (1) 8" ballast stripper valve, free up reach rod.  
#6 center tank - one (1) 8" ballast stripper valve, free up reach rod.

- 640 114. DECK STEAM LINE (103)  
(a) Renew one (1) section 3" dia. extra heavy steel pipe, approx. 9' long, 2 bends, flanged, in steam line to #8 Mooring winch (next to valve). Renew gaskets, bolts and nuts. Renew pipe hanger (1). Insulate pipe and cover with water proof coating.  
  
(b) Renew one (1) section 5" dia. x-heavy steel pipe, flanged, straight, approx. 18' long with one (1) 2½" flanged outlet approx. 6" long, One (1) 1" threaded spud and one (1) 3/4" threaded spud, in deck steam line at cargo winch steam valve connection.
- 125 115. STEAM SMOTHERING SYSTEM (103)  
a. Renew one (1) section 3" dia. extra heavy steel pipe approx. 32" long, flanged, bent, steam line smothering to manifold for #4 and #5 cargo tanks.  
  
b. Renew one (1) section of 1½" dia. extra heavy steel pipe, approx. 19'-6" long, 4 bends, 1 union, 1 elbow (90 deg.), 2 flanges, steam smothering pipe as designated.
- 173 116. COOLING AND SANITARY WATER LINE TO MIDSHIPS (103)  
Renew bulkhead flanged spool aft bhd. of pumpman's locker midships. Approx. size 3" dia. x 12" long. Use 90-10 CU-NI pipe.
- 125 117. AFT WOODEN DOOR NAVIGATING BRIDGE DECK (103)  
Refit and adjust aft wooden door navigating bridge deck. Prove door in good working condition.
- 850 39-A. RADAR MAST (103)  
a. Renew twenty-seven (27) 3-electric cable hangers, approx. size 1/8" x 1" x 5½" x 2" legs; five (5) 2-cable and three (3) 1-cable hangers on radar mast.  
  
b. Renew eight (8) wave guide hangers approx. size 1/8" x 1" x 4" x 1" legs. Renew eight (8) wave guide guard clips, approx. size 1/8" x 1" x 2" long. Move and replace in good order light storage box.  
  
Apply two (2) coats of primer and one (1) coat of color paint to new clips and damaged areas.
- 900 44-A. SEA VALVES, CHESTS AND STRAINERS (103)  
Disconnect 30" main condenser overboard discharge valve, remove to shop. Install blank shell opening. Open up valve. Renew valve stem nut (brass). Remove defective rubber coating from valve, sandblast (NOTE: protect gate seats while blasting), and apply two (2) coats of Poxitar to areas. Allow overnight drying before applying 2nd coat. True up valve stem, threads. Reassemble, renew bonnet gasket, repack valve stem, test, prove tight. Replace, renew flange gaskets, bolts and nuts. Prove in good working order and tight.

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 12) May 13 19 63

For SS ESSO GETTYSBURG

By Contract \$.

## DESCRIPTION

1335

## 101-A. CARGO TANK BALLAST PIPING BULKHEAD SPOOLS (523)

Sandblast inside of eleven (11) bulkhead spools for cargo tank ballast piping, size 12" dia. x approx. 5 ft. long and coat with Humble Rust Ban 191. Located in the following tanks: #4 port, center, stbd.; #5 center;; #6 port, center, stbd.; #7 center; #8 center; #9 center; and #10 center

Remove and replace six (6) 12" valves for blasting and coating of spools.

Remove sand and clean the above tanks.

## MESSRS:

Rutter  
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L. C. Robertson  
Cost Engineer Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 13) May 14 1963

For SS ESSO GETTYSBURG

By Contract \$..... DESCRIPTION

275 6-A. ASTERN THROTTLE VALVE (303)  
Crop and renew brass stem nut approx. 3-9/16" dia. x 12" long, welded to gear. Renew two ball bearings. Adjust clearance between valve stem and valve disc.

650 100-A. 750 KW STARBOARD GENERATOR TURBINE AND GEARS  
INSURANCE CLAIM NO.  
C. of Item 100 to read: Furnish and install.

~~650~~ STARBOARD THROTTLE VALVE FOR STARBOARD GENERATOR TURBINE  
Disconnect and remove to shop throttle valve for starboard generator turbine. Open for examination, machine seat and disc as found necessary, grind in, renew bonnet gaskets, repack, check valve spindle and nut, also overspeed trip latch gear and renew all worn parts as required. Test valve, prove tight. Replace valve, renew gaskets, defective studs and nuts, test, prove tight and in good working order. Replace insulation as original. Size 3".

325 98-A. MAIN CIRCULATOR PUMP MOTOR - G.E., HP 200  
INSURANCE CLAIM NO.  
Machine slip rings, refit brushes.  
Dynamically balance rotor.

MESSRS:  
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Cost Engineer Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 14) May 15 19 63For SS ESSO GETTYSBURG

By Contract \$.....

## DESCRIPTION

- 4400 50-A. INSURANCE CLAIM NO. 270(En Route Boston to Newport News)  
CARGO TANK BULKHEADS  
 Vee out and reweld the following fractured transverse bulkhead angle stiffeners where stiffeners weld to shell and longitudinal bulkhead thru brackets:  
#6 Port Cargo Tank - Fwd. Bhd.  
     Inboard - #12, #13 stiffeners = 2 fracture  
     At shell - #7, 8, 9, 10, 11, 12, 13, 14, 15 & 17 = 10 fractures  
#6 Stbd. Cargo Tank - Fwd. Bhd.  
     Inboard - #10, 11, 12, 13 - = 4 fractures  
     Shell - #9, 10, 11, 12, 13, 14 = 6 fractures  
#7 Port Cargo Tank - Fwd. Bhd.  
     Shell - #8, 9, 10, 11, 12, 13, 14, 15 = 8 fractures  
#7 Port Cargo Tank - Aft. Bhd.  
     Shell - #8, 9, 10, 11, 12, 13, 14, 15 = 8 fractures  
#9 Port Cargo Tank - Fwd. Bhd.  
     Shell - #11, 12 = 2 fractures
- 180 91-B. ALCOHOL AND SOLVENT CONVERSION  
 Sandblast inside and outside and coat with Humble Rust Ban 191 two (2) 6" visible wedge valves. (Owner furnished).  
 NOTE: Protect wedges, ring, seats and threads during blasting and coating.
- 420 76-A. CARGO PIPE AFT PUMPROOM (523)  
 Renew one (1) section cargo pipe in aft pumproom. Use extra heavy steel pipe. Sandblast and coat with Rust Ban 191 inside and outside, dia. 16" x 16-3/4", flanged one end, starboard inboard line at 16" gate valve.
- 750 77-A. NO. 3 CARGO PUMP TURBINE & GEARS (503)  
 Chrome plate and machine to original size governor and journal, metal spray and machine to original size in way of carbon packing coupling end turbine rotor #3 cargo pump turbine. Balance rotor.
- 75 82-A. FORWARD ANCHOR WINDLASS (303)  
 c. Renew steam valve stem. Material size 2" dia. x 19" long.

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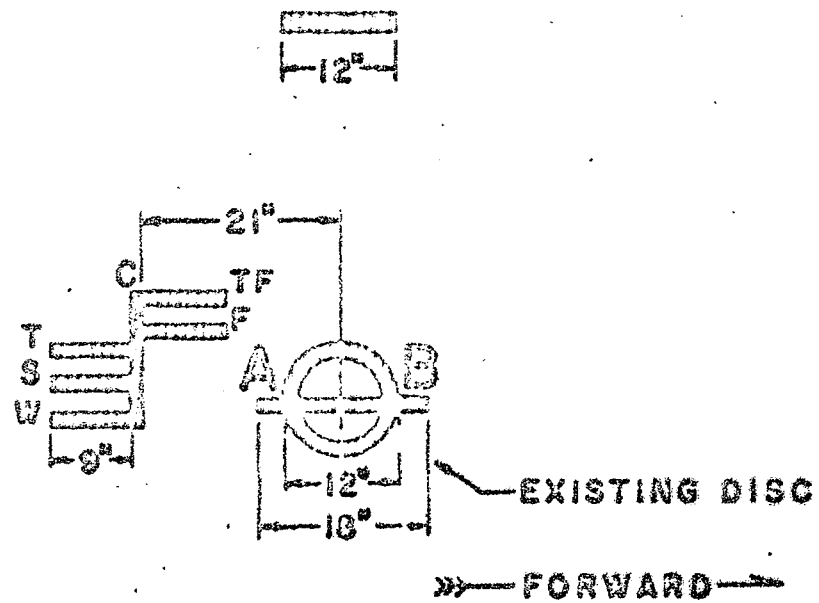
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Manager of Ship Repair

# LOCATION OF COASTWISE LOAD LINES



## AMERICAN BUREAU OF SHIPPING

## FREEBOARD ASSIGNMENT COASTWISE

| OFFICIAL No.                                                        | NAME OF VESSEL       | PORT OF REGISTRY |                 |
|---------------------------------------------------------------------|----------------------|------------------|-----------------|
| 273,362                                                             | SS "ESSO GETTYSBURG" | Wilmington, Del. |                 |
| CENTER OF DISC below the top of Steel Upper deck line               |                      | Feet<br>11       | Inches<br>9-3/4 |
| MAXIMUM LOAD LINE in Tropical Fresh Water, above the center of Disc |                      | 2                | 1-3/4           |
| " " in Fresh Water, above the center of Disc                        |                      | 1                | 4-1/2           |
| " " in Tropical Zones, above the center Disc                        |                      | 1                | 3-1/2           |
| " " above in Summer, <del>at</del> the center of Disc               |                      | -                | 6-1/4           |
| " " in Winter, below the center of Disc                             |                      | -                | 3               |
| " " in Winter North Atlantic, below the center of Disc              |                      | -                | -               |

NOTE.—Top of Wood deck is the line of wood deck carried out to ship's side on same combet as beam.  
Top of Steel deck is top of stringer plate of ship's side.

Humble Oil &amp; Refining Co.

NEW YORK JAN 18 1963

Houston, Texas

Gentlemen:

I am directed to inform you that your application for a Certificate of Approval of the position of a load line Disc for the above-mentioned vessel has received consideration, and I am to advise you that a recommendation has been placed before the Committee that they should approve of the position of such Disc if placed as noted above, subject to

NOTE:

See attached sketch for location of Coastwise load lines.

Please state when and what Port the Load Lines will be marked upon the vessel's sides in order that the Surveyors to this Bureau may verify the markings, and that the necessary Certificate of Approval may be issued.

Yours very truly,

*A. C. Christensen*  
Chief Surveyor.

*D. L. Parry*  
Secretary  
(SEE OTHER SIDE)

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S (Supt. 15) May 16 1963

For SS ESSO GETTYSBURG

By Contract \$..... DESCRIPTION

- 1100 120. COASTWISE LOAD LINES (103)  
Install upon vessel's sides Coastwise Load Lines as per attached instructions. Load lines to be center punched and painted white. Markings to be verified by ABS Surveyor.
- 626 100-B. 750 KW STARBOARD GENERATOR TURBINE AND GEARS  
INSURANCE CLAIM NO.  
a. Generator Turbine Atmospheric Relief Valve-Size 8" - Renew seat, renew two(2) stainless steel adjusting rods, approx. size each 5/8" dia. x 8", build up by brazing and machine valve disc. Renew two(2) springs as per sample.  
b. Throttle Valve - Machine and reweld fractured welding of seat of throttle valve. Size 3".  
c. Lub Oil Cooler - Renew as per sample strainer basket for lube oil cooler water box. Material #16 gauge CRS. Renew division plate in head for water box, approx. size 1/2" x 12 1/2" x 1 1/2" steel, welded. Apply two (2) coats of Poxitar to heads and water box. (Poxitar furnished by vessel.
- 30 121. STEAM STOP VALVES (303)  
Furnish eight (8) packing gland swing studs as per sample, approx. size 5/8" dia. x 4-3/4" long for feed pump steam stop valve packing glands.
- 160 18-A. RELIEF VALVES, MACHINERY SPACE (303)  
Renew valve disc guide, material size 6" x 4 1/2". Renew seat material size 8" x 3", gun metal for 5" -35 lb. atmospheric exhaust valve.
- 226 9-A. TURBINE FOR #1 MAIN FEED PUMP-G.E. 575 HP (303)  
INSURANCE CLAIM NO.  
Build up by welding steam cuts in valve seat landing of control valve body, machine and renew valve seat (furnished by vessel). Test, prove tight. Turbine for #1 Main Feed Pump.

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Mr. Ireland, Humble Oil &amp; Ref. Co.

Ordered By thru Mr. Challoner

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L. C. Robertson

Cost Engineer

Manager of Ship Repair

Newport News Shipbuilding and Dry Dock Company

JOB ORDER

Order No. 717-S (Supt. 16) May 17 1963

For SS ESSO GETTYSBURG

By Contract \$.....

DESCRIPTION

44-B. SEA VALVES, CHESTS AND STRAINERS (CONTINUED)  
 two (2) coats of Poxitar to interior of valves (furnished by vessel):  
 One (1) 4" -Gen. Lube oil and air cooler overboard valve  
 One (1) 3" -Cargo and Feed pump oil cooler overboard valve.  
 One (1) 4" -Bilge pump overboard valve  
 One (1) 3" Ice machine condenser and feed water test cooler overboard valve.

560 100-C. 750 KW STARBOARD GENERATOR TURBINE AND GEARS  
INSURANCE CLAIM NO.

Check, repair as necessary, adjust, prove in good working order the following equipment for starboard 750 KW Stbd. generator:

- 1 - Voltage Regulator
- 1 - Low Voltage Trip
- 1 - Reverse Power Relay
- 1 - AC Volt Meter
- 1 - DC Volt Meter
- 1 - DC Ampere Meter
- 1 - Frequency meter
- 1 - Stator Temperature Indicator

MESSRS:

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Cost Engineer

Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 16)

May 17 1963

For SS ESSO GETTYSBURG

By Contract \$.....

## DESCRIPTION

- 923 27-A. PORT AND STARBOARD CARGO STRIPPING PUMPS (503)  
Warren-Vert. Duplex 16" x 14" x 18"  
 Furnish thirty-five (35) liquid end disc valve stems, as per sample, approx. size 3/4" x 9/16" x 6 1/4" long.  
 Renew four (4) liquid end piston rods, approx. size 2 1/4" dia. x 38" long. Navy roll bronze.  
 Machine and install Darcova piston for inboard cylinder of stbd. pump. Darcova piston furnished by Owners.  
 Machine and install Darcova piston for inboard cylinder of port pump. Darcova piston furnished by Owners.  
 Renew one (1) steel B14 steam cylinder rod. Approx. size 2 1/4" dia. x 37" long.  
 Cancel - Remove and machine suction and discharge valve seats.
- 150 122. EVAPORATOR (303)  
 Renew one (1) section extra heavy galv. pipe dia. 2" approx. 10'-6" long, flanged, 2 bends overboard blow line from evaporator.
- 275 123. NO. 1 MOORING WINCH (303)  
 Remove control valve to shop, drill and tap end of control valve stem and install one (1) 5/8" x 3" threaded stud. Polish control valve. Replace in control valve cylinder, renew flange gaskets, defective studs and nuts, repack valve stem. Prove in good working order.
- 600 82-B. FORWARD ANCHOR WINDLASS (303)  
 Renew, fit and adjust to proper clearance three (3) crank shaft bearings (furnished by vessel).  
 Adjust both crank shaft and crosshead bearings. Repack piston rods.
- 1850 44-B. SEA VALVES, CHESTS AND STRAINERS (103)  
 Clean bodies and bonnets, and renew guides in the following gate valves. Apply two coats of Apexior to the inside of valves:  
 6" Lube oil cooler overboard gate valve  
 3" Heating coil drain cooler overboard gate valve  
 2" Evaporator overboard globe valve, weld up body in way of division.  
 Furnish and install the following 150 lb. gate valves, apply

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Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 17) May 20 19 63

For SS ESSO GETTYSBURG

By Contract \$ DESCRIPTION

- 800 103-A. CARGO TANK BALLAST PUMP TURBINE (503) G.E.  
 Chrome plate and machine to original size governor end journal, check coupling end journal for true and round. Fly ash and balance rotor.
- 200 10-B. MAIN CONDENSER (303)  
 Renew one(1) section air nozzle pipe approx. 1" dia. x 4' long, bent. Use 90-10 Cu-Ni tubing. Renew three (3) 1½" hanger caps and bolts for air escape pipe. Material monel, 1/16" thick. Size bolts 5/16" x 1".
- 150 91-B. ALCOHOL AND SOLVENT CONVERSION  
 (C) Alcohol Pumps. Warren Vert. Duplex 16 x 14 x 18"  
 Cancel renew Owner furnished liquid end liners.  
 Install new steam piston for starboard cylinder of starboard pump. (Piston furnished by vessel).

## MESSRS:

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 Boykin  
 Howell  
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 Feddeman  
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## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S (Supt. 18) May 21 19.63

For SS ESSO GETTYSBURG

By Contract \$ DESCRIPTION

CANCEL ORIGINAL ITEM 110 AND REISSUE AS FOLLOWS:

- 300 110-A. STEAM OUT LINE TO MAIN CIRCULATOR SEA CHESTS (303)  
Renew defective pipe and fittings, steam out line main circulator sea chests; also LP evaporator sea chest. Size 3/4" dia. approx. 60 ft., bent, 6 flanges. Use extra heavy steel pipe.

CANCEL ORIGINAL ITEM 113 AND REISSUE AS FOLLOWS:

- 50 113-A. STEERING GEAR OIL VALVE (303)  
Weld inplace caulked spot in weld of One (1) 1 1/2" valve tagged D on top of port forward steering gear ram.
- 650 124. THROTTLE VALVE FOR PORT 750 KW GENERATOR TURBINE (303)  
Overhaul same as 100-A.
- 225 19-A. VALVES MACHINERY SPACE (303)  
Overhaul exhaust valve of ballast pump turbine same as Item 19. Size 5".

## MESSRS:

Rutter  
Boykin  
Howell  
Borders  
Feddeman  
Overman  
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L. C. Robertson  
Cost Engineer Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 19) May 22 19 63

For SS ESSO GETTYSBURG

By Contract \$..... DESCRIPTION

1600

50-B. INSURANCE CLAIM NO.270(En route Boston to Newport News)CARGO TANK BULKHEADS

Repair the following fractured transverse bulkhead angle stiffeners as in Item 50-A:

#5 Port cargo tank - Fwd. bhd.

At Shell - #10, #11, #12 stiffeners = 3 fractures

#5 Starboard Cargo Tank - Fwd. Bhd.

Inboard - #15 stiffener = 1 fracture

At shell - #5,#9,#10,#11,#12,#13 stiffeners = 6 fractures

1000

91-C. ALCOHOL AND SOLVENT CONVERSION

Install in deck near 6" drop line to #1 port, #1 starboard, #2 port, #2 starboard cargo tanks - One (1) double extra heavy 1/2 inch threaded steel coupling welded in deck. Install in each tank one (1) section of 1/2" dia. brass pipe 15 ft. long. Install two (2) 1/2" pipe clamps to each section of brass pipe. Clamps to be sandblasted and coated with Humble Rust Ban 191.

Install on deck in each coupling one (1) 1/2" x 1-1/2" extra heavy brass nipple, one (1) 1/2" brass 90 deg. elbow, one (1) 1/2" brass plug. Elbow to be installed facing inboard.

## MESSRS:

Rutter

Boykin

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Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 20) ..... May 23 ..... 19 63For SS ESSO GETTYSBURG .....

By Contract \$ ..... DESCRIPTION

- 1100 79-A. CONDENSER -AIR CONDITIONING SYSTEM -MIDSHIP (303)  
Fabricate new heads two (2) for midship air conditioner freon condenser. Approx. size 17½" dia. each head with one (1) 3" dia. flanged outlet. Sand blast inside of head and apply two (2) coats of Poxitar to each head. Poxitar furnished by vessel
- 300 77-B. NO. 3 CARGO PUMP TURBINE & GEARS (503)  
Chrome plate and machine to original size coupling end bearing journal.
- 900 80-A. FEED PUMP TURBINES(G.E. 575 HP)(303)  
Install new nozzle plate in #2 and #3 feed pump turbine casings. (Nozzle plates furnished by vessel).  
Remove to shop #2 and #3 feed pump turbine rotors. Check bearing journals for true and round. Polish shafts in way of carbon packing. Balance rotors, free up couplings and return to vessel.
- 150 19-A. VALVES - MACHINERY SPACE (303)  
Overhaul same as Item 19.  
One (1) 3½" angle valve bilge suction fwd. engine room starboard side.

## MESSRS:

Rutter  
Boykin  
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127

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## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 21) May 24 19 63

For SS ESSO GETTYSBURG

By Contract \$ DESCRIPTION

2660 50-B. INSURANCE CLAIM NO. 270(Enroute Boston to Newport News)  
CARGO TANK BULKHEADS

Repair the following transverse bulkhead angle stiffener fractures same as Item 50-A:

#4 starboard tank -forward bulkhead -Outboard -6,7,8,9,10,  
11, 12, 13 stiffeners = 8 fractures

#4 Starboard tank -inboard - #10, 11 stiffeners= 2 fractures

#4 Port tank fwd. bhd.-Outboard- #7,8,9,10,11,12,13,14 =  
8 fractures

Clean and coat damaged areas with Humble Rust Ban 191.

125. STARBOARD GENERATOR THROTTLE DRAIN VALVE (303)

Renew welded 1/2" valve in drain line from throttle valve of starboard generator turbine. Replace disturbed insulation. Valve furnished by vessel.

44-C. SEA VALVES, CHESTS AND STRAINERS (103)

Remove to shop 4" stop check globe valve, overboard discharge from port stripper, open up, renew broken valve disc guide, stem, renew seat, prove tight. Install, prove in good working order.

Renew one (1) 4" angle stop check valve overboard discharge from electric bilge pump, 125#.

126. ANODE SHIELDS (103)

Sandblast white spots of six (6) capastic anode shields and white spots of two (2) rubber anodes shields as directed and recoat bare spots with Capastic as directed. Capastic furnished by Owners.

Apply Capastic to a 12' dia. shield for the four forward anodes. The dia. of shields now 10'. Sandblasting of area covered in item 60.

Renew missing sections of guard for forward port anode, will require 1 section 6 ft. long shaped, one 4 ft. section, one 1' section, welded, size 2 1/2" dia. steel rod.

Renew missing section of guard for forward starboard anode, requires one (1) 4 ft. section of 2 1/2" dia. steel rod, vee out and reweld two (2) fractures.

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Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 22) May 27, 1963

For SS ESSO GETTYSBURG

By Contract \$.....

## DESCRIPTION

1100 22-A. INSURANCE CLAIM NO. 174 (STRANDED MISS. RIVER JULY 9, -11, 1962)a. #1 Port Cargo Tank Internal Damage

Crop web frame 104 in way of damage and renew section 54" x 92" x 20.4# plate with two(2) flat bar stiffeners 7/16" x 5" x 4'-6".

Sandblast new steel and damaged areas and coat with Humble Rust Ban 191.

Weld twelve rivets, caulk (30) rivets and caulk 15 ft. of riveted seam in way of frame 104.

b. Bilge Keel Port Side- Trim ends of bilge keel port side. Two ends.1670 129. HULL REPAIRS FOUND AFTER DRYDOCKING VESSEL (103)

a. Rudder - Reweld 11 ft. of wasted welded seam bottom of rudder fwd. end port and starboard side.

Reweld 1 ft. fracture weld bottom edge of rudder nut fair-water stbd. side. Reweld 1 ft. fracture weld of in way erection hole cover plate stbs. side of rudder near top.

Furnish and install 1 1/2" drain plug and fitting bottom of rudder forward end.

b. Weld twenty-six (26) rivets, E, F rivet lap in #2 and #3 port tanks.

Caulk 40 ft. of outboard riveted lap as marked in way of #3, 4 and 5 stbd. tanks.

325 130. EMERGENCY GENERATOR SWITCHBOARD (303)

Check out feed back also transfer switch of emergency generator switchboard, repair as necessary. Test and prove in good working order.

Covered 128-A. FORWARD PUMP ROOM CARGO PUMPS

Item 128 - cancel installing reach rods to exhaust valves to pumps in fwd. pumproom. Install reach rods to steam valves only. A total of two (2) reach rods.

## MESSRS:

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## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 22) May 27 1963

For SS ESSO GETTYSBURG

By Contract \$..... DESCRIPTION

- 600 44-B. SEA VALVES, CHESTS AND STRAINERS (103)  
 Furnish and install one (1) 2½" flanged, gate valve, 150 lb. electric fire pump overboard.  
 Furnish and install one (1) 3½" flanged, 150 lb. gate valve, aft air condition condenser overboard.  
 Remove preservative from inside of valve and apply two (2) coats of Poxitar, furnished by vessel), to interior of valves.
- 300 100-D. 750 KW STARBOARD GENERATOR TURBINE AND GEARS  
INSURANCE CLAIM NO.  
 When finished removing parts needed on the ESSO GETTYSBURG ship the loaned generator turbine, prepaid motor freight, consigned to:  
 DeLaval Turbine, Inc.  
 Repair Department-South Plant  
 Trenton, New Jersey  
 MARK: "Property of Orion Trading & Shipping Co.  
 Refer to Humble Oil & Refining Co. Order DC-4556".
- 1300 100-E. 750 KW STARBOARD GENERATOR TURBINE AND GEARS  
INSURANCE CLAIM NO.  
 a. Remove defective CM DeLaval Turbine Speed Governor Element, crate and ship it prepaid motor freight consigned to:  
 DeLaval Turbine, Inc.  
 South Plant  
 Trenton, N. J.  
 Att: Mr. C. M. Watts  
 MARK: "From Humble Oil & Refining Co.  
 SS ESSO GETTYSBURG"  
 b. Disconnect, remove to shop exhaust gate valve of starboard 750 KW generator turbine. Open up, renew one (1) seat ring, brass machine disc and seat ring, grind in, renew bonnet gasket, re-pack valve stem, close up, test and prove tight at required pressure. Replace, renew flange gaskets, bolts and nuts, prove tight. Replace disturbed insulation as original. Size 20" dia.
- 600 80-B. FEED PUMP TURBINES G.E. 575 HP (303)  
 Machine bearing journals, chrome plate and machine to original size #2 Feed Pump Turbine Rotor.

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Ordered By.....

Proceed with work and charge to J. O.....

Cost Engineer

Manager of Ship Repair

Newport News Shipbuilding and Dry Dock Company

JOB ORDER

Order No. 717-S(Supt. 23) May 28 1963

For S.S. ESSO GETTYSBURG

By Contract \$ DESCRIPTION

- 1290 44-B. SEA VALVES, CHESTS AND STRAINERS (103)
- a. Renew valve disc guide for high suction sanitary pump sea valve, approx. size 1/2" x 3 1/2" long.
  - b. Renew bolts and nuts in sea chest flange of auxiliary circulating pump suction valve, approx. 12 bolts, size 1" dia. x 3 1/2" long.
  - c. Disconnect and remove starboard 16" angle cargo pump sea suction valve to shop. Thoroughly clean eroded areas in body of valve and in way of seat and build up by welding, machine and renew seat if necessary, replace seat. Sand blast entire interior of valve and apply two (2) coats of Poxitar to valve body. Grind in seat and disc, grind in, close up, test and prove tight. Replace, renew bonnet, flange gaskets, repack valve stem, bolts and nuts.
  - d. Chip, wire brush, clean pitted area of port cargo pump sea valve, size 16", approx. size of pitted area 6" x 4". Fill with Devcon Steel Putty.
  - e. Free up valve stems of four (4) steam out valves to sea chests, renew eight (8) 3/8" x 2" steel packing gland studs.

80-A. FEED PUMP TURBINES, G.E., 575 HP (303)  
Cancel balancing #3 feed pump turbine rotor.

MESSRS:

Rutter  
Boykin  
Howell  
Borders  
Feddeman  
Overman  
Klink  
Webb  
Schmidt  
Hiemenz  
Knight  
Challoner  
Hassell  
Godsey  
USCG-1  
ABS-1  
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mlh/75

Mr. Ireland, Humble Oil & Ref. Co.  
Ordered By thru Mr. Challoner

Proceed with work and charge to J. O. 717-S

L. C. Robertson  
Cost Engineer Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S (Supt. 24) June 3, 1963 19For SS. ESSO. GETTYSBURG

By Contract \$..... DESCRIPTION

- 250 22-B. Insurance Claim No. 174 (Stranded Miss. River July 9-11, 1962)  
RUDDER REPAIRS  
 Crop and renew damage section of bottom rudder plate fwd end. Approx. size 18" x 12" x 40.8# plate. Plate to be "Cor-Ten" or "Mayari" steel.
- 120 53-R. RUDDER REPAIRS - 103  
 Install four (4) welded type zinc plates bottom of rudder as designated. Two zinc plates port, two plates on stbd. side of Rudder.
- 160 131. PORT 750 KW GENERATOR TURBINE (303)  
 Magna flux two (2) connecting stems of port 750 generator turbine steam chest control valves, steam chest cover not removed.
- 275 98-B. MAIN CIRCULATOR PUMP MOTOR - G.B., HP200 *Ins claim*  
 Build up coupling in way of bore, by welding, rebore to suit new shaft, true up key way, machine coupling face.
- 250 132. SHIP STORES *To Agent*  
 Furnish crane service and men to load Owner furnished supplies Monday June 3, 1963. @ 10:00 a.m.

## MESSRS:

|            |           |
|------------|-----------|
| Rutter     | Knight    |
| Davis      | Challoner |
| Howell     | Hassell   |
| Borders    | Godsey    |
| Feddeman   | USCG-1    |
| Overman    | ABS-1     |
| McWilliams |           |
| Dunn       |           |
| Klink      | brb/90    |
| Mahler     |           |
| Webb       |           |
| Schmidt    |           |
| Jones      |           |

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Humble Oil and Refining Co.

Ordered By thru Mr. ChallonerProceed with work and charge to J. O. 717-S

L.C. Robertson  
 Cost Engineer Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 25) June 4 1963

For S.S. ESSO GETTYSBURG

By Contract \$..... DESCRIPTION

## 6290 133. CARGO SYSTEM (503)

Repairs found during cargo system test:

#8 Center - Renew approx. 38 ft. of 16" dia. extra heavy steel pipe port inboard cargo line; with one(1) 16" dia. flanged outlet approx. 5 ft. long with 90 deg. elbow; one (1) 16" dia. flanged outlet, bent approx. 6 ft. long. 3 - 16" Dresser couplings.

Aft Pumproom: One (1) 8" dia. 3 ft. x 3 ft. flanged tee piece, with one(1) 90 deg. elbow.

Sandblast and coat inside and outside with Humble Rust Ban 191.

Open in place, disconnect and remove to shop the following cargo tank valves, open, machine seats and discs, grind in, renew bonnet gaskets, repack valve stems, test to 125 lbs. pressure, prove tight. Replace, renew gaskets, bolts and nuts, replace connecting rods in good order:

#1 center - one (1) 12" angle valve

#2 center - one (1) 12" angle valve (renew disc nut)

Repack 8" stripper suction valve.

#3 center - 8" stripper globe valve

#6 port - 12" angle valve (cargo system)

#8 port - 8" stripper valve

#10 port - 12" angle valve

Renew one (1) 12" flange gasket

Tighten all cargo tank valve packing glands.

Prove valve gaskets tight.

## 250 134. STARBOARD BOILER VALVE (303)

Open in place, disconnect and remove to shop 3" starboard boiler generator stop-check valve, renew guide rings, machine disc, grind in, close up, repack valve stem, test to required pressure, prove tight, replace, renew flange gaskets, defective studs, bolts and nuts, prove tight. Replace insulation as original.

## 750 135. LUBE OIL COOLER CIRCULATING WATER PUMP MOTOR (303)

Disconnect, remove to shop and rewind motor for lube oil cooler circulating water pump. Renew ball bearings. Replace, connect up, test and prove in good working order. 30 HP.

## 175 136. GENERAL ALARM BELL SWITCH (103)

Repair handle, clean contacts, test and prove in good working order, emergency general alarm bell switch in engine room located at log desk.

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Ordered By.....

Proceed with work and charge to J. O.....

Cost Engineer

Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S(Supt. 25) June 4 1963

For SS ESSO GETTYSBURG

By Contract \$ DESCRIPTION

- 500 137. COPPER PIPE (303)  
Repair neoprene coating in copper pipe from main circulator to main condenser also main condenser overboard discharge pipe.
- 160 138. DECK SCUPPERS (103)  
Renew four(4) strainer covers for deck drains aft.
- N.C. 80-C. #3 FEED PUMP TURBINE (303)  
Renew governor control valve stem #3 feed pump turbine.  
(Damaged during yard repairs).
- 180 139. ESCAPE PIPE (103)  
Extend escape pipe from steam smothering reducing station thru aft forecastle bulkhead. Requires approx. 6' of 2½" dia., bent pipe. (Escape pipe previously connected to pump room port vent trunk).
- Covered 120A. LOAD LINE MARKINGS (103)  
Chip and grind smooth incorrect International Load Line markings. Install correct International Load Lines. Cut in and weld, clean and paint markings, also damaged areas.
- ~~140. DEFECTIVE CM SPEED GOVERNOR ELEMENT (303)  
Remove from vessel defective CM speed governor element unit for DeLaval 750 KW Generator Turbine and ship it prepaid motor consigned to:  
DeLaval Turbine, Inc.  
South Plant  
Trenton, N. J.  
Att: Mr. C. M. Watts  
MARK: From Humble Oil & Refining Co.  
SS ESSO GETTYSBURG~~

## MESSRS:

Rutter  
Boykin  
Howell  
Borders  
Feddeman  
ALL FOREMEN  
Hiemenz  
Knight

Challoner

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Hassell

Godsey

USCG-1

ABS-1

mlh/120

Mr. Ireland, Humble Oil &amp; Ref. Co.

Ordered By thru Mr. Challoner

Proceed with work and charge to J. O. 717-S

L. C. Robertson

Cost Engineer

Manager of Ship Repair

## Newport News Shipbuilding and Dry Dock Company

## JOB ORDER

Order No. 717-S (Supt. 26)

June 5 1963

For SS ESSO GETTYSBURG

By Contract \$

## DESCRIPTION

- 240 141. WHISTLE PULLS (103)  
Free up, and adjust, bridge and aft steering hand whistle pulls. Prove in good working order. A total of four(4).
- 150 142. LIFEBOAT MOTORS 103  
Check, repair and start two lifeboat motors (diesel).
- 125 100-F. STBD. 750 KW GENERATOR GEARS  
Insurance Claim No.  
Dye test gear tooth in way of mark for crack. Same found OK.  
Gears for stbd. 750 KW generator.
- 100 143. 8" GATE VALVES  
Remove from vessel ten (10) 8" Owner furnished gate valves.  
Hold in storage, marked for "ESSO WASHINGTON".
- 250 144. PORT BOILER GENERATOR STEAM STOP CHECK VALVE (303)  
Disconnect, remove to shop, open up, renew guide ring, machine seat and disc, grind in, close up, test to required pressure, prove tight, replace, renew gaskets, defective stud. bolts and nuts. Prove tight. Replace insulation in good order.

MESSRS: Credits  
Rutter 19R - c & d  
Boykin 28R  
Howell 50R - e  
Borders 59R  
Feddeman 58R 11  
Bunch 70R  
Overman 84R  
Dunn 91R

Klink  
Webb  
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mlh/85

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M + P  
Original \$ 476 790  
Extra 117 110  
Credits 593 900  
35. 630  
\$ 558 270

100  
1290  
150  
17400  
9200  
400  
125  
5965  
35-630

To Agent  
Tug Service \$ 1100  
Notes 250  
\$ 1350

Mr. Ireland, Humble Oil & Ref. Co.  
Ordered By thru Mr. Challoner

Proceed with work and charge to J. O. 717-S

L. C. Robertson

Cost Engineer

Manager of Ship Repair