

USNS GENERAL EDWIN D. PATRICK (T-AP 124)
c/o Fleet Post Office
San Francisco, California

T-AP 124/JAC:H:Gy
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VOYAGE REPAIR LIST

VOY 149

SUBMITTED BY:

J.A. O'HALLORAN
CHIEF ENGINEER

APPROVED BY:

C.W. HUTCHESON
MASTER

ITEM No.	PRIORITY	SUBJECT & DESCRIPTION
1	2	SUBJECT: INDICATORS - WATERTIGHT DOOR DATA: MFR: Continental Eng. Co., MFR I.D.: Model 1221-DUC, Class 1, Horizontal mounted, 1 H.P., Hi Speed Shaft 1700, Lo Speed 68; Red. Ratio - Total 25:1 LOCATION: Machinery Spaces - 6-158-0 - 6-161-0 6-172-0 (2nd to 6th Deck) CONDITION: Indicators - gears and cables are worn - broken & inoperative. Cable tubing is bent out of shape in places. QUAN/SIZE: Three (3) W.T.D. Cables & Indicators - approx. seventy-five feet (75') of cable per door. Total of approx. two hundred twenty-five (225) feet. Indicator drive gears are worn and stripped out. RECOMM: Provide labor and material to install new drive gears, housings, cable, and indicating pointers on the above list watertight door. Thoroughly check out cable tubes and correct any drag or bind that may be found. Prove in good operating condition to MSTS Inspector & vessel's Chief Engineer. NOTE: Fabricate & install Indicator Pointer at - 2-128-0.
2	2	SUBJECT: COVER FOR MAIN PROPULSION CONTROL CUBICLE LOCATION: FORWARD ENGINE ROOM CONDITION: Present cover is installed in sections - which is not watertight.....allowing water that seeped thru the deck above to run down into the electric controls.

2 (continued)		SUBJECT:	<u>COVER FOR MAIN PROPULSION CONTROL CUBICLE</u>
		QUAN/SIZE:	ONE EACH - SIX BY NINE FEET (6' X 9')
		RECOMD:	Present covering be removed & replaced with one solid piece of sheet metal....or that present cover be made watertight. Due to limited space and head room material should be flexible as there are many obstructions on both sides of the cubicle.
3	3	SUBJECT:	<u>EXPANSION JOINT - HOT WATER SUPPLY LINE</u>
		DATA:	1 $\frac{1}{2}$ " (One and one-half inch) HEAVY DUTY PIPE & EXPANSION JOINT
		LOCATION:	Frame: 3-98-1
		CONDITION:	Expansion joint leaking & cannot be repaired. ...at sea...as hot water supply would have to be secured too long.
		QUAN/SIZE:	One and one-half inch (1 $\frac{1}{2}$ ") pipe -(4') four feet long with expansion joint.
		RECOMD:	Remove existing expansion joint & replace with approved type to hold 85 PSI water pressure. Replace elbows, unions, and approx. four feet of heavy duty pipe. Locate new expansion joint for easy access...replace disturbed insulation.
3	3	SUBJECT:	<u>STEEL PLATE - MACHINE SHOP WORK BENCH</u>
		LOCATION:	4-128-4-0
		CONDITION:	Deteriorated - wooden work bench - beyond economical repair.
		QUAN/SIZE:	Thirty two six inches wide by eighty six inches long by one-quarter inch thick. (36" X 86" X 1/4")
		RECOMD:	M&R to form one sheet 1/4" (one-quarter inch) steel plate for Machine Shop work bench. Length of sheet to have smooth rolled over-lapping edge approx. one inch (1") over-lapping edge. Deliver to vessel prior to departure 4 MARCH 1966....Ship's Force will install.
4	3	SUBJECT:	<u>HEATERS - (VESSELS VENTILATION SYSTEM)</u>
		LOCATION:	FAN ROOM - 2-12-0-2 - Htr No. 24 - 2-121-2 (Fwd Htr) This is a double heater. Htr. No. 25 - 2-122-2
		CONDITION:	Holed & leaking in several places at silver soldered connections of tubes to Heater Headers.
		QUAN/SIZE:	Two (2) Each - Steam Heaters in Ventilation Supply system.
		RECOMD:	Provide labor & material to remove both heaters from ship to shop. Hydrostatically test heaters to locate all leaks. Repair leaks by silver solder method & test for tightness. (CAUTION - Heaters have tendency to create new leaks with application of heat)

VOYAGE REPAIR LIST - ADDENDUM No. 1 - VOY 149 (contd. from Page No. 2)

ITEM No.	PRIORITY	SUBJECT & DESCRIPTION	
6	3	SUBJECT:	<u>NATURAL EXHAUST VENT</u>
		LOCATION:	Ø4-93-2 Exhaust from Radio Room
		CONDITION:	Outlet section of 18" X 19" Vent trunk deteriorated at flange.
		QUAN/SIZE:	One (1) 18" X 19" vent outlet with screen and hinged cover.
		RECOMD:	Renew section at outlet and provide new flanged section to fit screen & cover. Approx. six inch (6") section to be renewed.
7	3	SUBJECT:	<u>DIESEL ENGINE EXHAUST</u>
		DATA:	Diesel engine, emergency generator room
		LOCATION:	Ø4-89-2 (Flying Bridge)
		QUAN/SIZE:	One (1) Renew cone shaped vent outlet. Fits 4 1/2" pipe having 20" diameter opening forming cone shape with raised & supported cover.
		RECOMD:	Replace deteriorated section of 4 1/2" pipe with a different & more efficient design. NOTE: Present one fills up with water.
8	3	SUBJECT:	<u>FORCED AIR EXHAUST OPENING</u>
		LOCATION:	Ø3-116-1/2 (Sund Deck) Aft of Children's Play pen.
		CONDITION:	Outlet & flange deteriorated at stbd. outlet Screen deteriorated on the Port outlet. Outlets are of identical design.
		QUAN/SIZE:	Two (2) Exhaust vents. 23" X 25" with screens only, no covers or hinged doors.
		RECOMD:	Renew section deteriorated on Stbd vent Fabricate & provide ship with screen for Port vent.
9	3	SUBJECT:	<u>MAIN GALLEY EXHAUST VENT OPENING</u>
		LOCATION:	Ø1-149-2
		CONDITION:	Upper section vent outlet deteriorated & holed. Screens deteriorated.
		QUAN/SIZE:	One (1) Vent, fitted with cowl outlet equipped with screens. Dimensions approx. two feet high by four feet square (2' X 4' X 4')
		RECOMD:	Renew cowl & screens as existing similar in design & construction.

6 (Continued)

SUBJECT: INDICATORS- BOILER REMOTE LIQUID LEVEL

RECOMM: Provide services of Basic Contractor (Pacific Ship Repair) and/or Sub-Contractor (Universal Engineering) to place Indicators & HI-Lo Level Alarms in design operating condition as called for Basic Contract. Alarms to sound off in HI & Lo Water positions with no sticking or freezing of Indicators. Indicators to show full travel of water in boiler gage glass & correspond correctly on YARWAY Indicators situated at Maneuvering platforms. This item to be proven in good & accurate operating condition to Chief Engineer.

7 3

SUBJECT: VENT MOTOR STATOR - Ø1-147-Ø

DATA: LOUIS ALLIS - 5 HP; 44Ø V; 3 PH, 6Ø CY. 87Ø/43Ø RPM; 4.3/ 8.Ø AMPS - Frame 324. Type OGMX.

LOCATION: Electric Shop

CONDITION: Stator windings burnt out.

QUAN/SIZE: One (1)

RECOMM: Rewind stator complete and return to ship prior ensuing voyage. Stator to be installed by Ship's force.

8 2

SUBJECT: CHLORINATION ROOM DECK

LOCATION: Frame 4-105-112-1

CONDITION: Deck holed thru, leaking on top of FORWARD ENGINE ROOM CONTROL PANEL CUBICLE in fwd engine room. Deck heavily pitted in several places.

QUAN/SIZE: Deck area approx. 15 X 2Ø feet. Deteriorated section under two mixing tanks & chlorine mixing tank.

RECOMM: Remove deteriorated sections of deck approx. three (3) square feet & replace with new decking. Chip the complete deck to white metal & coat with vynal plastic similar to type used in showers and heads. NOTE: This area is directly above the control panel cubicle in the AFTER Engine Room.

9 3

SUBJECT: FAN ROOM - CHIPPING & SCALING OF

DATA: Vent Intake & Fan Room for Forward Engine Room

LOCATION: Ø2 - Ø3 - 1Ø2 - AFT OF STACK

CONDITION: Air intake is from Ø3 deck in the top of the Fan room...the upper section of the Fan room which is approx. 3ØØ SQ FT plus some of the lower bulkhead area & the Fan housings (2) are very rusty &

VOY REPAIR LIST - VOY 149 (Continued from Page No. 4)

ITEM NO.	PRIORITY	SUBJECT & DESCRIPTION
9 (Continued)		SUBJECT: <u>FAN ROOM - CHIPPING & SCALING OF</u> CONDITION: corroded. Beyond capacity of Ship's Force as they cannot be worked on at sea...and Por time does not permit. QUAN/SIZE: N/A RECOMD: Louvers for this fan room ar contained on Job Request. Scale & chip as required to bring all deteriorated & corroded surfaces down to bright metal. This is to include bulkheads, fan housings, decks, etc. Prime with two (2) coats of Wetsall or equal & paint out the complete fan room white...machinery Grey & deck Red.
10	3	SUBJECT: <u>PLENUM CHAMBERS</u> LOCATION: 01-74-1/2 CONDITION: Louvers deteriorated, heavily corroded and holed. QUAN/SIZE: Two (2) chambers Stb dimensions - $61\frac{1}{2}$" X $39\frac{1}{2}$" fitted with 21 flat plate louvers. Port side dimensions $59\frac{3}{4}$" X $59\frac{3}{4}$" openings fitted with 20 flat plate louvers. RECOMD: Prefab inserts with louvers and flat plate perimeter to fit openings, to be bolted for portability and cleaning & maintenance. Existing louvers to be cut out leaving smooth surface or renew deteriorated sections as found necessary. M&R to provide prefabricated sections and install or ship to install.
11	3	SUBJECT: <u>WIRE PENDANT FOR LIFTING HATCH COVER</u> LOCATION: No.5 Hatch - Main Deck CONDITION: Worn & deteriorated from fair wear & tear. QUAN/SIZE: One (1) Wire Pendant 1" Dia. 6 X 9 hgps wire closed poured socket each end overall length 17 feet. RECOMD: Fabricate & furnish ship for installation.
12	2	SUBJECT: <u>VENT SCREEN & COVERS</u> CONDITION: Deteriorated & missing due to normal wear and use. LOCATION & RECOMD: <u>SCREENS 1-170-2 - $10\frac{1}{8}$" X $35\frac{1}{2}$"</u> <u>01-181-0 - $29\frac{1}{2}$" X $35\frac{1}{4}$"</u> Screen is for ship's main laundry & should be fabricated from large mesh screen. Renew cover same location - 31" X 36" Repair vent cowl at top section with insert renew back to sound metal in area of deterioration.

ITEM No.	PRIORITY	SUBJECT & DESCRIPTION	
12 (Continued)		SUBJECT:	<u>VENT SCREEN & COVERS</u>
		LOCATION & RECOND:	Ø1-182-Ø Renew cover - 25" X 25"
			<u>SCREENS</u>
			Ø1-2Ø8-Ø 15" X 24"
			Ø2-2Ø9-2 18" X 18-3/4"
			1-188-1 and 2 Vent openings 42" in dia. with screens in four sections each, Screens 1Ø inches wide. Ø1-177-1 renew screen and repair top section of vent holed from deterioration.
			Renew vent cover 2-232-2 dia. 12" cover to have hook or other device for securing in the open position.
13	3	SUBJECT:	<u>PAINTING OF DECK CREW QUARTERS</u>
		CONDITION:	Faded & Dingy - Presents poor appearance
		LOCATION:	ROOM ROOM 1-41-3 MAA 1-38-3 QM 1-35-3 BOSN/CARP 1-3Ø-1 O/S AB 1-24-1 ABM 1-2Ø-1 F/W 1-2Ø-Ø BOSN MATE 1-24-2 O/S 1-3Ø-2 AB 1-35-2 ABM 1-38-2 ABM 1-41-2 DK YEO/CARP MATE
		RECOND:	Paint out in their entirety the above listed rooms using approved MSTs colors for P-2 vessels.
14	3	SUBJECT:	<u>DESK TOPS - IN HOSPITAL</u>
		LOCATION:	Desk No.1 (2-128-6-L) Area: 45" X 34" Stripping: 23' 3" DESK No.2 (2-124-2-Q) Area: 45" X 34" Stripping: 23' 3" DESK No.3 (2-124-2-Q) Area: 3Ø" X 42 1/2" Stripping: 12' 7"
		RECOND:	Provide labor and material to renew desk tops listed above. Desks to be re-topped with gray formica. Work to be accomplished during in-port period and completed prior sailing ensuing voyage.
15	3	SUBJECT:	<u>TILE - REPLACEMENT OF - MILITARY DAY ROOM</u>
		LOCATION:	Passageway: 3' 2" X 8' 5" Day Room: 11' 3" X 33'
		CONDITION:	Worn & deteriorated
		RECOND:	Present tile be removed & replaced with tiles of standard color with black border. Present tile is of many sizes, shapes & colors; non-existent in some areas.

VOYAGE REPAIR LIST - ADDENDUM No.1 - VOY 149 (contd. from Page 6)

ITEM No.	PRIORITY	SUBJECT & DESCRIPTION	
17	3	SUBJECT:	<u>PROTECTING COVERS - INSULATION - BOILER WATER DRUM HEADS</u>
		DATA:	Sheet metal protection ducts & covers for front end (Man Hole) of Water drums.
		LOCATION:	Water Drums - Boilers No.1,2,3 & 4.
		CONDITION:	Unsafe - Deteriorated rusted & holed. Sharp rusted & jagged edges will not hold covers any longer. Lagging pads tend to fall out.
		QUAN/SIZE:	Four (4) - with covers, (One (1) each boiler)
		RECOMM:	Provide labor & material to fabricate & install four (4) sheet metal insulation ducts & covers as per rough sketch (see Chief Engineer). Also as shown on Blue Print S-9510-44 or further listed as Job No.9501-37 - Plan No.9501-37-15.
18	3	SUBJECT:	<u>ELECTRIC CABLE - ENGINE ORDER TELEGRAPH</u>
		DATA:	Cable is: M.H.F.A. -30, F.S.N.66145-192-7211 or equal.
		LOCATION:	Flying Bridge - 04 Deck to 02 Deck - Frame 82
		CONDITION:	Cable grounded & badly deteriorated. Cable disturbed during vessel Annual Overhaul period - January 1966. Transmitter removed and located in Electric Shop.
		QUAN/SIZE:	Approx. One hundred feet (100') of the above listed cable.
		RECOMM:	Renew cable from transmitter on Flying Bridge to junction box at 02 Deck frame 82 in it's entirety. After completion of cable installation - Engine Order transmitter is to be reinstalled and Telegraph Stations are to be checked & tested & put in design operating condition to the satisfaction of the vessel's Chief Engineer and Chief Electrician.
19	3	SUBJECT:	<u>DOOR- BALLOON HOUSE</u>
		DATA:	Door Unit Mfg: Pacific Rolling Door Co. Oakland, Calif. MOTOR: U.S. ELECT. MOTORS Frame 6, Syncrogear Motormount, Gear Ratio 39-0, Type GW, Final RPM 45, Input RPM 1800, SERIAL No.3602734.
		LOCATION:	1-213-0
		CONDITION:	Door inoperative, bent & excessive rust in corrugations. Curtain cannot be moved only part way by hand. Motor & gear unit inoperative. Weather has not permitted removal for Ship's Force repair.

HA!
NEW DOOR
INSTALLED
NOT SAT.

VOY REPAIR LIST - VOY 149 (Continued from Page No. 6)

ITEM No.	PRIORITY	SUBJECT & DESCRIPTION	
16	3	SUBJECT:	<u>PROJECTION BOOTH SLIDING FIRE SCREEN</u> <u>TRAP DOORS</u>
		LOCATION:	2nd Deck Projection Booth - 2-169-0-Q 4th Deck Projection Booth - 4-119-1-Q
		RECOMD:	Re-rig in a more suitable manner; free doors and operating mechanism for proper operation.
17	3	SUBJECT:	<u>PIANO & ORGAN TUNING & REPAIR</u>
		LOCATION:	Children's Playroom (2nd Deck) - PIANO Troop Recreation Hall (4th Deck)* PIANO Dining Saloon (Main Deck) - ORGAN CHAPEL (Main Deck) - ORGAN
		RECOMD:	Keys on pianos and organs be repair/replaced - Replace broken foot pedal on piano in 4th Deck Rec Hall.
18	3	SUBJECT:	<u>BENCHES - REPLACEMENT OF</u>
		LOCATION:	Troop Rec Hall - 4-112-0-L Playroom - 2-157-0-L
		RECOMD:	Replace upholstered benches in above location with fiberglass benches. Present bench are wood and considered a fire hazard. Benches should be similar to those located in Compartment No. 5 $\frac{1}{2}$.
		QUAN/SIZE:	Troop Rec Hall - 78" Length 26" width Total - Five (5) Playroom - 30 $\frac{1}{2}$ " Length 18 $\frac{1}{2}$ " width Total - One (1) 60" Length 18 $\frac{1}{2}$ " Width Total - Two (2)

FINIS