

Return to Deck off Skovortz  
each day and pick  
up the fueling and resupply

PART III

COMPARTMENT SURVEY

USNS Tropic  
APR. - 69

1. WHEEL HOUSE TOP:

Painting, hand rails, dodgers and (no)  
jack rods, compass platform, binnacle, lights, pelorus stands P/S,  
voice tubes, flag box, canvas, (Voice tube needs new bracket)  
gratings, and other fixed equipment.

Renew 3" flanged fittings penetrating wheelhouse top Kidde Alarm system. 3 each. 04-94-1E  
Fan Rm. scale deck & up approx 6" all around preserve by paint & locate drain to low spot  
in fan room. 04-94-2 Exh. Renew enclosure & foundation - Hinged top 20 $\frac{1}{2}$ " X 25 $\frac{1}{2}$ " X 26"  
2 vent penetrations (1-12" dia.) & (1-10" x 11"). Clean up electric motor. Renew  
gasket intercom cover. Top course portside fwd. handrail needs pairing. Renew approx. 50%  
Radar cable. Hangers (?) on Radar mast (apprx. 20'). Weld deck fwd of radio trans an-  
tenna trunk.

2. NAVIGATING BRIDGE:

12-69 Painting, hand rails, inclined ladders:  
Stbd running light has broken lens. Renew cover & gasket intercom P/S 13" x 16 $\frac{1}{2}$ " hinged.  
Check gasket in whistle control switch P/S. Renew portlight wiper blade portside. Install  
locking bar w/stop on running light housing door P/S  
Renew hanger port br. wing auto whistle kickpipe  
Crop off extraneous metal around light cable including deteriorated 76" section of conduit.  
Cropout 24" X 75" deteriorated section @ Fr. 94 port radio off. room insert new section.

3. STACK CASING:

Painting, rust spots, deck, etc.

Stbd side - Renew hangers on vent lines  
Deckhole stbd, fwd. plugweld  
#1 Stack top deck deteriorated beyond repair

4. WHEEL HOUSE:

Painting, voice tubes, book racks &  
cabinets, gratings, portlights, dead-  
light covers, flag locker, lighting, etc.

Renew light bulbs as necessary  
Renew RPM Counter glass - port unit R/V CORRECTED  
Running light panel (1) lens missing

5. CHART ROOM:

Painting, chart table, port lights & no  
NONE ABOARD deadlight covers, cabinets, bookracks,  
lighting: lens missing, others need repair overhead lights

Renew batt. box over chart table 21" x 12" x 12".  
Flourescent light over chart table is improperly installed. Power it bootlegged from  
intercomm.

PART III

COMPARTMENT SURVEY: (CONTINUED)

6. RADIO ROOM:

Painting, furnishing, book racks, cabinets, tables, desk, port lights (none) and deadlight covers, lighting, etc.

Repaint

7. SHIP'S EXCHANGE:

Painting, shelving, racks, storage cabinets, counters, hardware, lighting, portlights, etc.

3-153-2A Small amount of pipe insulation necessary

8. GYRO ROOM:

Painting, racks, ventilation, lighting, decks, bulkheads;

No screens on vent supply outlets (3) 5-1-95-2

OK

9. CHAIN LOCKER:

Coating, decks, bulkheads, drains, chain pipes, handy billy:

10. PRISONS:

Painting, decks, and bulkheads, bunks, doors & hardware, lighting and ventilation:

Troop Brig: Wash basin & mirror missing. Needs painting. Some pipe insulation necessary. INSTALLED RM.

Crews: Repair overhead insulation. Heater valve leaking & damaging deck.

PART III

COMPARTMENT SURVEY (CONTINUED)

11. BARBER SHOP:

Painting, deck & bulkhead, lighting,  
shop equipment, mirrors, cabinets,  
wash basins: No shelves in med. cabinet. INSTALLED 4-13-69 P.M.

Ok.

12. FAN ROOMS, INTAKE CHAMBERS, GENERAL:

Painting, decks and bulkheads, floor  
plating, lighting:

13. STEERING ENGINE COMPARTMENT:

Painting, decks and bulkheads, gratings,  
lighting:

Ok.

14. ENGINE ROOM & SHAFT ALLEY:

Painting, tank tops, bulkheads,  
gratings, floor plating, manholes  
& covers, lighting & ventilation:

Ok.

15. DIET KITCHENS:

Condition of decks and bulkheads,  
sinks, plumbing, refrigeration,  
dishwashing machine, range, cabinets:

Good.

PART III

COMPARTMENT SURVEY: (CONTINUED)

16. MEDICAL & SURGICAL WARDS:

Condition of decks and bulkheads,  
bunks, ward cabinets, heads, soap  
dishes, lighting, ventilation:

Good.

17. MENTAL CELLS:

Lighting, ventilation, doors and  
hardware, decks and bulkheads:

Good

18. DISPENSARY:

Decks, bulkheads, furnishings,  
sterilizer, ventilation, lighting:

Good.

19. OPERATING ROOM:

Decks, bulkheads, equipment, furnishings,  
lighting, ventilation, sink, plumbing:

Good, except operating lights do not turn on.

20. STOREROOMS, HOSPITAL SPACE:

Decks, bulkheads, hardware, shelving:

*REPAIRED - R.M.*

N.P. Ward deck (mag) damage & illegal wiring to plug box

*CORRECTED - R.M.*

Dr. Office: Bookcase needs locking device. Desk lamp needs to be renewed  
Desk drawer (center) needs lock.

PART III

COMPARTMENT SURVEY: (CONTINUED)

21. ENLISTED MEN'S QUARTERS (MEDICAL):

Decks, bulkheads, ventilation,  
lighting, bunks, showers, toilets,  
plumbing, lickers, other furnishings:

Good

22. BUTCHER SHOP:

Meat blocks, work tables, meat saw,  
meat slicer, grinder, cabinets and  
storage spaces, sinks, plumbing,  
decks and bulkheads;

XXXX Done

23. BAKE SHOP:

Decks, bulkheads, dough mixer,  
bake ovens, dough trough, bread  
slicer, lighting, ventilation,  
refrigeration, proofing cabinets,  
work tables, storage spaces and  
other fixed equipment.

Good

Reefer needs minor switch repair.

Auto-controller, garbage disposal, chopping blades, etc., badly rusted

24. MESSES, TROOP:

Decks, bulkheads, tables, benches,  
chairs, steam tables, cabinets,  
plumbing, garbage disposals, coffee  
urns, lighting, ventilation, and  
other fixed equipment:

Vent duct S-2-124-2 needs section resecured port side serv. room.

PART III

COMPONENT SURVEY: (CONTINUED)

24. DINING ROOM (1st Class):

Decks, bulkheads, tables, chairs,  
ventilation and fans, service  
tables, etc.

Ok

25. LOUNGES, 1ST CLASS & CREW:

Decks, bulkheads, furnishings,  
lighting, ventilation, etc.

Ok

27. RESISTOR ROOMS, GENERAL:

Painting, equipment, lighting,  
decks and bulkheads, ventilation:

28. OFFICES, GENERAL:

Painting, decks & bulkheads,  
port lights, fans and ventilation,  
lighting, lockers, cabinets, desks,  
chairs, safes and typewriters.

29. DECK STORES & PAINT LOCKERS, GENERAL:

Painting, shelving, paint stowage racks,  
battens, block hangers, rope stowage,  
lockers, cabinets, lighting, ventilation,  
hardware, decks, bulkheads:

Deck Stores: 1-7-2-A Ok.

PART III

COMPARTMENT SURVEY: (CONTINUED)

30. CLEANING DECK LOCKERS, GENERAL:

Painting, decks and bulkheads, mop  
racks, shelving, bucket, racks,  
lighting and ventilation:

31. REFRIGERATION SPACES, GENERAL:

Coils, racks, gratings, decks, bulk-  
heads, fans, drains, scuppers, cork  
pipe covering, sheathing, doors and  
gaskets, hardware, thermometers, alarms

32. DRY STORES, GENERAL:

Decks, bulkheads, shelving, gratings,  
hardware:

33. GALLEYS, GENERAL:

Decks, bulkheads, fat fryers, ovens,  
tables, ranges, firebrick, stacks,  
refrigerators, cake mixer, scuppers  
and drains, steam kettles, pressure  
cookers, coffee urns, exhaust vents,  
cutting boards, lighting, sinks,  
ventilation, plumbing, and all other  
fixed equipment.

FIGURE 13

LINEAR STRAIN MEASUREMENT

14. LINEAR STRAIN MEASUREMENT

Linear strain measurements, which are the  
most common, are made by stretching a  
certain length of wire, usually a  
copper wire, and then measuring the  
change in length.

15. LINEAR STRAIN

Linear strain is the ratio of the  
change in length to the original length.  
It is expressed as a percentage.  
The formula is given below:

16. STRAIN GAUGES

Strain gauges are small electrical  
resistors, which change their resistance

17. STRAIN GAUGES, GENERAL

Strain gauges are small resistors,  
usually made of metal wire, which  
change their resistance when  
stressed. They are used in  
strain measurement, temperature, etc.

PART III

COMPARTMENT SURVEY: (CONTINUED)

38. CREW QUARTERS, GENERAL:

Decks, bulkheads, bunks, lockers,  
ventilation and lighting:

39 OFFICERS' QUARTERS, GENERAL:

Decks, bulkheads, berths, lockers,  
cabinets, safes, desks, mirrors,  
plumbing, showers, toilets, book  
racks, wash basins, soap racks,  
towel bars, fans, toilet paper  
holders, medicine cabinets, grab  
bars, lighting, ventilation and  
other fixed equipment:

40. STATEROOMS (1<sup>ST</sup> CLASS), GENERAL:

Decks, bulkheads, bunks, dressers,  
fixed furniture, lockers, medicine,  
cabinets, soap dishes, coat hooks,  
mirrors, wash basins, toilets, showers,  
toilet paper holders, grab bars, towel  
bars, fans, port lights, lighting,  
ventilation, etc.

41. CREW MESSES, GENERAL:

Decks, bulkheads, water coolers,  
domestic refrigerators, tables,  
chairs, lighting, ventilation and  
fans, etc.:

PART III

COMPARTMENT SURVEY: (CONTINUED)

42. PASSAGEWAYS:

Painting, lighting,  
lineoleum, etc.

43. INTERIOR DECKS AND COVERING:

44. JOINER WORK AND INTERIOR DOORS AND WINDOWS, ALL TYPES:

45. INNER BOTTOM FUEL AND BALLAST TANKS:

Coating, heating, sounding, vent. and suction lines,  
manholes and covers:

46. FRESH WATER TANKS, DOMESTIC:

Coating, sounding and vent. and suction lines:

47. FRESH WATER TANKS, FEED:

Coating, sounding and vent. and suction lines:

PART III

COMPARTMENT SURVEY: (CONTINUED)

48. ESCAPE TRUNKS, GENERAL:

49. CARGO HOLDS:

Mounting, tank tops, drain wells and covers,  
cargo battens and clips, pipe protection;

a. Hold #1:

b. Hold #2:

c. Hold #4:

d. Hold #5:

e. Hold #6:

f. Hold #7:

50. LOCKED CARGO COMPARTMENTS: