

Rpt. 9A REPORT OF MACHINERY SURVEYS AND REPAIRS (ENGINES AND AUXILIARIES)
FOR CONSIDERATION BY THE COMMITTEE OF LLOYD'S REGISTER OF SHIPPING

Received London
28 JUL 1966

Ship's Name ~~MS~~/MS "LUCIANO CASTRO"

Gross tons L.R. 521364 Port of Registry Santos Port SANTOS

Date of build 3-1950 Is there a rpt. 8? No Rpt. No. 4620

No. of visits 2 First date 12.7.66 Last date 14.7.66

Interim Cert. issued & copy herewith? Yes Damage rpt. issued & copy herewith? Yes Last rpt. (H.Q. only)

Date of completing rpt. 18.7.66 Surveyed at, if different from Port above --

Is a rpt. 9B attached? No MN 102 Nature of survey Damage

Survey fees Damage fee Cr\$ 50.000 Expenses

S.A. fee

MAIN ENGINES, RECIP., STEAM OR I.C. (State Port—P or Starboard—S)

1 Cyls., covers, pistons & rods

2 Valves & gears

3 Con. rods, cross-heads, bearings & guides centre

Side

4 Crankpins & bearings centre

Side

5 Journals & bearings

MAIN ENGINE DRIVEN AIR COMPRESSORS (State Port—P or Starboard—S)

6 Cyls., covers, pistons & rods

7 Con. rods, cross-heads & bearings

8 Crankpins & bearings

9 Journals & bearings

10 Coolers & safety devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS (State Port—P or Starboard—S)

11 Cyls., covers, pistons & rods

12 Con. rods, cross-heads & bearings

13 Crankpins & bearings

14 Journals & bearings

MAIN TURBINES (State Port—P or Starboard—S)

16 Casings, rotors, blading, bearings & thrusts

15 Levers

17 Reduction gearing

18 Scavenge blowers

19 Superchargers

I recommend that the machinery of this ship remain as classed with/without fresh record of survey, subject to any outstanding conditions being dealt with as previously recommended.

(Where conditions of class are recommended to be retained, imposed, amended or deleted, particulars must be stated above and on the interim certificate.)

Date of Committee

Minute

G.A. Stewart
Surveyor to Lloyd's Register of Shipping

TUESDAY - 9 AUG 1966

FOR CHAIRMAN
CLERK OF THE COMMITTEE

014835-014842-0182

ALSO FOR

SPL FOR

NOTED BY
TEO
CESR MG

SRL

POSTING

HEADER

CERT

At part or complete Special Surveys those items which are not applicable to the ship are to be cancelled; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

considered that re-examination, or repairs should be made before that date a distinguishing mark should be inserted against the item and the circumstances and action taken or recommended described fully under "defects and repairs".

The condition of any item is to be described as "good" only when it has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where repairs have been effected or it is

Exhaust steam
turbines (with
recip. eng.)

22 Steam
compressors

24 Clutches & hyd-
raulic couplings

26 Steam
re-heaters

28 De-super-
heaters

Stop & manoeuv-
ring valves

33 Main engine
driven pumps

21 Thrust blocks
shafts & bearings

23 Intermediate
shafts & bearings

25 Condensers
(main & aux.)

27 Air ejectors
(main & aux.)

29 Forced &/or induced
draught fans

31 Holding down
bolts & chocks

32 Detuner or
vibration damper

State
Port P. or
Starboard S.

34 Crankcase doors &
explosion relief devices

35 Have main engines been tested
working & manoeuvring? (To be done
on completion of ES or CS cycle)

36 Essential independent pumps

37 Bilge, ballast & oil fuel
suction lines, fittings & controls

38 Have the remaining piping arrangements
& fittings in the machinery space been
examined as considered necessary?

39 Fresh water coolers

40 Lub. oil coolers

41 Heaters (state service)

42 Feed water filters

43 Auxiliary air receivers
& safety devices

44 Starting air pipes

45 Main air receivers
& safety devices

46 Independent air compressors
coolers & safety devices

Identify
by
position

47 Oil fuel tanks (not forming
part of the hull structure)

48 Have all evaporators safety
valves been tested under steam?

49 Evaporators
HP & LP

50 Distillers

51 Fire extinguishing arrangements

52 Steering
machinery

53 Windlass

AUXILIARY ENGINES

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

DAMAGE - STARBOARD AUXILIARY ENGINE (Rpt. 10 attached).

It was stated that on the 10th July 1966 whilst on voyage from Buenos Aires/Santos water was noticed leaking from the N^{os}. 3 and 4 cylinder heads. It was stated that the Starboard auxiliary engine was in service at the time and had been running normally.

Now done: Starboard auxiliary engine examined and water found to be leaking from the N^{os}. 3 and 4 cylinder heads. All (4) cylinder heads removed ashore, examined under hydraulic test and the N^{os}. 3 and 4 cylinder heads found to be fractured. The fracture in both heads extending from the combustion chamber crown to the cooling water inlet port. Repairs have been effected by fitting the Owners' spare cylinder heads.

The reason for repairs must be stated and those on account of damage, the alleged cause of which must be given, should be detailed separately from wear and tear repairs. State what action has been taken regarding items which are subjects of class. State also where appropriate, for the information of the Technical Records Dept., the material of the defective item and whether it is a forging, casting or welded fabrication. Any alterations in existing particulars in the Register Book should also be reported above.

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Foundation