

## Rpt. 9A REPORT OF MACHINERY SURVEYS AND REPAIRS (ENGINES AND AUXILIARIES)

FOR CONSIDERATION BY THE COMMITTEE OF LLOYD'S REGISTER OF SHIPPING

Received London  
18. MAY 1965

Ship's Name ~~SS/MS~~ "LUCIANO CASTRO"  
L.R. 521364  
Gross tons 600 Port of Registry Santos Port of SANTOS  
Date of build 3-1950 Is there a rpt. 8? Yes Rpt. No. 4276  
No. of visits Four First date 5.1.65 Last date 27.4.65  
Interim Cert. issued & copy herewith? Yes Damage rpt. issued & copy herewith? No Last rpt. (H.Q. only)  
Date of completing rpt. 8.5.65 Surveyed at, if different from Port above --  
Is a rpt. 9B attached? No MN 102 Nature of survey Advancement C.S.M.  
Survey fees Damage fee Expenses  
C.S.M., 180.000 Cr\$ 1.000

S.A. fee

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

1 Cyls., covers, pistons &amp; rods All : Good.

2 Valves &amp; gears All : Good.

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

Side

4 Crankpins &amp; bearings centre

Side

5 Journals &amp; bearings

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

6 Cyls., covers, pistons &amp; rods

7 Con. rods, cross-heads &amp; bearings

8 Crankpins &amp; bearings

9 Journals &amp; bearings

10 Coolers &amp; safety devices

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

11 Cyls., covers, pistons &amp; rods

Good.

12 Con. rods, cross-heads &amp; bearings

Good.

13 Crankpins &amp; bearings

Good.

14 Journals &amp; bearings

Good.

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

16 Casings, rotors, blading, bearings, &amp; 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 E.S. 4/64 now as previously recommended. Subject to all other conditions, at present attached to the ship's class by the Society's Surveyors, being dealt with as previously recommended.

ALSO FOR

SPL FOR

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NOTED BY

SPD

POSTING

HEADER

CERT

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

Surveyor to Lloyd's Register of Shipping

Date of Committee

TUESDAY 15 JUN 1965

Minute

As now  
(ES 4.64 withheld)

016835-016842-0219

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 subject 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 must 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



20 Exhaust steam turbines (with recip. eng.)	21 Thrust blocks shafts & bearings	State Port P. or Starboard S.
22 Steam compressors	23 Intermediate shafts & bearings	
24 Clutches & hydraulic couplings	25 Condensers (main & aux.)	
26 Steam re-heaters	27 Air ejectors (main & aux.)	
28 De-superheaters	29 Forced &/or induced draught fans	
30 Stop & manoeuvring valves	31 Holding down bolts & chocks	
33 Main engine driven pumps	32 Detuner or vibration damper	

34 Crankcase doors & explosion relief devices	None fitted.	35 Have main engines been tested working & manoeuvring? (To be done on completion of ES or CS cycle)	Yes
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36 Essential independent pumps	Salt water cooling water pump (P.): Good.	
	Hand lubricating oil pump (S.): Good.	

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?
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39 Fresh water coolers	40 Lub. oil coolers
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41 Heaters (state service)	42 Feed water filters
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43 Auxiliary air receivers & safety devices	44 Starting air pipes
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45 Main air receivers & safety devices
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46 Independent air compressors coolers & safety devices
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47 Oil fuel tanks (not forming part of the hull structure)
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48 Have all evaporators safety valves been tested under steam?
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49 Evaporators HP & LP	50 Distillers
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51 Fire extinguishing arrangements	52 Steering machinery	53 Windlaas
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AUXILIARY ENGINES Port and Starboard auxiliary generator engine: Good.

## PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

Wear and Tear repairs now done:

Sundry minor repairs and adjustments carried out at this time.

Interim Certificate issued as per attached copy.

The Owners' attention was drawn to the fact that no crank case door relief devices were fitted and this point is to be considered by the Owner.

The electrical installation will be megger tested upon the ship's return to Santos in about two months time.

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.