

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

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

Received London

26 NOV 1964

Ship's Name SS/MS CAUTIOUS. L.R. 506640
 Gross tons 594 Port of Registry VANCOUVER B.C. Port LONDON.
 Date of build 1940 Is there a rpt. 8? YES Rpt. No. 15 29 23
 No. of visits 7 First date 20.10.64. Last date 10.11.64.
 Interim Cert. issued & copy herewith? YES Damage rpt. issued & copy herewith? NO Last rpt. (H.Q. only)
 Date of completing rpt. 12.11.64. Surveyed at, if different from Port above
 Is a rpt. 9B attached? YES MN 222 Nature of survey MBS, TS (CL) + GEN. EXAM MACH.
 Survey fees Damage fee Expenses
 MBS. £9-0-0
 TS (CL) £5-0-0
 GEN. EXAM £10-0-0 (256/1)
 23 NOV 1964
 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)

- 15 Casings, rotors, blading, bearings & thrusts
- 16 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 MBS 11.64 NOW, TS (CL) 10.64, SUBJECT TO ANY OUTSTANDING CONDITIONS OF CLASS BEING DEALT WITH AS PREVIOUSLY RECOMMENDED.

ALSO FOR

SPL FOR

TRO Mariele
 SRL

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.)
 J.W.E. Mansfield, (J.W.E. MANSFIELD)
 Surveyor to Lloyd's Register of Shipping

Date of Committee

THURSDAY 21 JAN 1965

Minute

Deferred for comp EIS
 TS 10.64 MBS 11.64

Lloyd's Register Foundation

011536-011543-0148 1/2

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 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

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|--|----|---|----|
| Exhaust steam turbines (with recip. eng.) | 20 | Thrust blocks shafts & bearings | 21 |
| Steam compressors | 22 | Intermediate shafts & bearings | 23 |
| Clutches & hydraulic couplings | 24 | Condensers (main & aux.) | 25 |
| Steam re-heaters | 26 | Air ejectors (main & aux.) | 27 |
| De-superheaters | 28 | Forced &/or induced draught fans | 29 |
| Stop & manoeuvring valves | 30 | Holding down bolts & chocks | 31 |
| Main engine driven pumps | 33 | Detuner or vibration damper | 32 |
| Crankcase doors & explosion relief devices | 34 | Have main engines been tested working & manoeuvring? (To be done on completion of ES or CS cycle) | 35 |

State
Port P. or
Starboard S.

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

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.

General Examination.

This vessel has been laid up since and has now been sold. The new Owners, Messrs RIVTOW MARINE CO. LTD, 1990 KENT STREET, VANCOUVER B.C., have brought the vessel back into service and intend to sail the tug to Vancouver where the existing machinery & shafting will be removed and diesel main and auxiliary machinery fitted and the Engine Survey carried out.

Accordingly, a General Examination of the machinery has been made and the following items opened

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.

Identify
by
position

and examined at this time and found in good order.
 Main engine H.P., I.P. & L.P. cylinders and relief valves.
 Main engine H.P., I.P. & L.P. valve chests.
 L.P. crankpin & bearing.
 No 4 & 5 main engine crankshaft main journals & bearings.
 Thrust shaft & bearings.
 Forward O.F. unit pressure pump.
 Independent boiler feed pump.
 The main engines have now been tested working
 and manoeuvring and the auxiliary machinery,
 steering gear & windlass tried under working conditions,
 the electric installation generally examined & circuits
 megger tested and pumping arrangements tried working,
 all with satisfactory results.

Accordingly it is submitted that a fresh record
 of Special Survey be assigned when the survey
 has been completed and the Engine Survey
 has been carried out.

J. Mansfield.

NOTE.

A Safety Equipment Survey has been carried out
 by the Ministry of Transport during the vessels
 present stay in port.

J. Mansfield.