

REPORT OF **MACHINERY SURVEYS AND REPAIRS**
(ENGINES AND AUXILIARIES)

Received London

10 OCT 62

Ship's Name **SS/M/S "BALLYKNOCK"** Gross tons **868**

Is there a rpt. 8? **Yes** Port **BELFAST** Rpt. No. **17188**

No. of visits **7** First date **14.8.62.** Last date **24.8.62.**

Interim Cert. issued & copy herewith? **Yes** Damage rpt. issued & copy herewith? **No** Last rpt. (H.Q. only) **17052 - Bel**

Date of completing rpt. **7.9.62,** Surveyed at, if different from Port above **-**

Is a rpt. 9B attached? **Yes** MN **131** Nature of survey **General Examination**

Survey fees M.B.S. £ 9. 0. 0. Damage fee **-** Expenses **-**
Gen. Exam. £ 12. 0. 0.

S.A. fee **-**

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

- 1 Cyls., covers, pistons & rods **H.P., I.P. and L.P. - Good**
- 2 Valves & gears **H.P., I.P. and L.P. - Good**
- 3 Con. rods, top ends & 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 & top ends**
- 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 & top ends**
- 13 Crankpins & bearings **14 Journals & bearings**
- 15 Levers

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

- 16 Casings, rotors, blading, bearings & thrusts

- 17 Reduction gearing
- 18 Scavenge blowers

19 Superchargers

I recommend that the machinery of this ship remain as classed with ~~without~~ fresh record of M.B.S. 8.62 and T.S. CL(with date) subject to the screwshaft liner being examined and dealt with as necessary at the next Annual Drydocking (September 1963).

(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 **THURSDAY - 4 OCT 1962**
Minute **as now, subject (TS record withheld)**

P. Couch
Surveyor to Lloyd's Register of Shipping
(P. Couch)

ALSO FOR

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20	Exhaust steam turbines (with recip. eng.)	21	Thrust blocks shafts & bearings		
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	32	Detuner or vibration damper
33	Main engine driven pumps				

Air, Bilge and Feed Pumps - Good

34	Crankcase doors & explosion relief devices	35	Have main engines been tested working & manoeuvring? (To be done on completion of ES or CS cycle)
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36 Essential independent pumps Main Circulating Pump and Engine, G.S. Pump and Ballast Pump - All 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?
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
51	Fire extinguishing arrangements	52	Steering machinery

Good 53 Windlass **Good**

AUXILIARY ENGINES Dynamo Engine - Good.

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

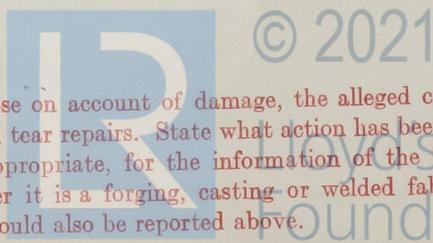
General Examination for Postponement of Special Survey according to the Secretary's letter of 9th March, 1962.

A General Examination of machinery has been carried out in accordance with Circular No. 1959. Main and auxiliary machinery and pumping arrangements were examined as far as practicable, and as far as could be seen were in satisfactory condition.

Parts opened out and examined were as set out above.

Electrical equipment examined and insulation tested and found or placed in order.

A satisfactory trial of main and auxiliary machinery was held.



The reason for repairs must be stated and those on account of damage, the alleged cause of which must 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 Department, the material of the defective item and whether it is a forging, casting or welded fabrication. Any alterations to existing particulars in the Register Book should also be reported above.