

Rpt. 9

Date of writing report 5.9.61 Received London Port BELFAST No. 17013  
Survey held at BELFAST No. of visits 5 First date 25.7.61 Last date 8.8.61

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 03279 Name S.S. BALLYGRAINEY Gross tons 641 Date of build 11-1936  
Owners JOHN KELLY LTD Managers E.W.P. KING LTD Port of Registry BELFAST  
Engines made 11-36 By AITENISON BLAIR LTD CLYDEBANK Type T. 361

No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers 1 SB W.P. 200lb/sq.in.  
No. of Aux./Donkey Boilers W.P.  
Surveyed Afloat or in Dry Dock Both  
Nature of Survey G.E. MBS. T.S. Dlg.  
Was Damage Report issued? No Int. Cert.? YES  
Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book	
Hull	Machinery
* 100 A 1	* L.M.C.
SS 7.57	E.S. 7.57
DS 6.60	M.B.S. 6.60
	TS (CL) 4.59
	SPS 7.57

The condition of any of the following items is to be described as "good" only when the part 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 it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; 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.

- DOCKING Propeller **GOOD** Wear Down of Stern Bushes **REWOODDED** Oil Glands - Sea Connections **GOOD**
- Fastenings **GOOD** Has Screwshaft Tubeshaft been drawn? **YES** Date of Examination 28.7.61 Has Shaft been changed? **NO**
- Has Shaft now fitted been previously used? Has Shaft now examined/used a continuous liner? **YES** Approved oil gland? -
- MAIN ENGINES (Recip. Steam ~~Engines~~) PORT ~~STARBOARD~~
- 1 Cyls., Covers, Pistons & Rods **HP, IP & LP Good**
- 2 Valves & Gears **HP, IP & LP Good**
- 3 Connecting Rods, Top Ends & Guides { Side  
Centre
- 4 Crankpins & Bearings { Side  
Centre
- 5 Journals & Bearings
- MAIN ENGINE DRIVEN AIR COMPRESSORS
- 6 Cyls., Covers, Pistons & Rods
- 7 Connecting Rods & Top Ends
- 8 Crankpins & Bearings
- 9 Journals & Bearings
- 10 Coolers & Safety Devices
- MAIN ENGINE DRIVEN SCAVENGE PUMPS
- 11 Cyls., Covers, Pistons & Rods
- 12 Connecting Rods & Top Ends
- 13 Crankpins & Bearings
- 14 Journals & Bearings
- 15 Levers
- 16 SCAVENGE BLOWERS
- 17 SUPERCHARGERS
- MAIN TURBINES
- 18 Casings, Rotors, Blading, Bearings & Thrusts
- 19 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)
- 20 STEAM COMPRESSORS
- 21 CLUTCHES & HYDRAULIC COUPLINGS
- 22 REDUCTION GEARING
- 23 THRUST BLOCKS, SHAFTS & BEARINGS **GOOD**
- 24 INTERMEDIATE SHAFTS & BEARINGS **GOOD**
- 25 HOLDING DOWN BOLTS & CHOCKS
- 26 CONDENSERS (MAIN & AUX.)
- 27 STEAM RE-HEATERS
- 28 DE-SUPERHEATERS
- 29 STOP & MANOEUVRING VALVES
- 30 MAIN ENGINE DRIVEN PUMPS **FEED & BILGE; CIRCULATING & AIR**
- 31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

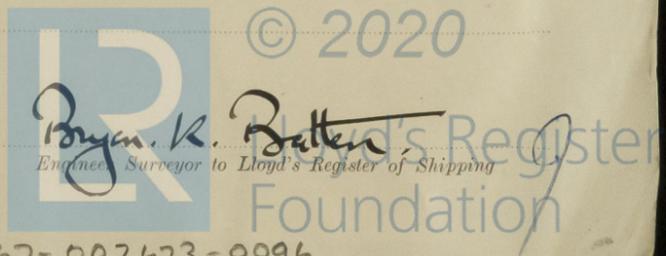
Have Main Engines been tested working and manoeuvring? **YES**  
OPINION OF MACHINERY AND RECOMMENDATIONS: The machinery of this vessel, so far as now seen, is in good condition and eligible, in my opinion, to remain as classed with fresh records of survey M.B.S. 8.61 TS (CL) 8.61.

Has a Survey also been held on Ship? If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent

Date of Committee TUESDAY 19 SEP 1961  
Decision Deferred for comp ES but assign TS 8.61 MBS 8.61

Noted for Header



32 Essential Independent Pumps (Identify by position) BALLAST. GEN SERVICE. - GOOD

33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls Generally examined - GOOD

34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? YES

35 Fresh Water Coolers..... 36 Lub. Oil Coolers..... 37 Heaters (state service).....

38 Independent Air Compressors, Coolers & Safety Devices.....

39 Air Receivers & Safety devices—Main..... 40 Auxiliary.....

41 Oil Fuel Tanks (Not forming part of hull structure).....

42 Evaporators..... 43 Have Evaporator Safety Valves been tested under steam?.....

44 Steering Machinery Generally - Good 45 Windlass..... 46 Fire Extinguishing Arrangements..... Good

AUXILIARY ENGINES (Identify by position) Dynamo engine in entirety - Good

PROPULSION		ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT	
PORT	STARBOARD	PORT	STARBOARD	PORT	STARBOARD
a Generators				l Generators & Governors	
b Exciters				m Motors	
c Air Coolers				n Switchboards & Fittings	
d Motors				o Circuit Breakers	
e Air Coolers				p Cables	
f Control Gear, Cables, etc.				q Insulation Resistance	<u>Good</u>
g Insulation Resistance				r Steering Gear Generators and Motors	
h Insulating Oil Test				s Navigation Light Indicators	
i Overspeed Governors					
j Magnetic Couplings					
k Air Gap					

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN ONE 27-7-61 GOOD AUXILIARY, DONKEY or PRESS.....

Superheaters.....

Safety Valves..... Good

Mountings, Doors & Fastenings..... Good

Safety Valves Adjusted to { Sat. 200 lb/sq.in  
Spt. ....

Boiler Securing Arrangements..... Good

Main Economisers..... Exhaust Gas Heated Economisers.....

Steam Heated Steam Generators..... Steam Generator Safety Valves Adjusted to.....

Were Oil Burning System & Remote Controls examined working in accordance with Rules?..... Forced Circulating Pumps.....

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules?..... Funnel Good

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main..... Auxiliary (over 3 in. bore).....

Were Copper Pipes annealed?..... Have Saturated Pipes in cylindrical boiler smoke boxes been tested?.....

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

General Examination for Part of Special Survey in accordance with the Secretary's letter of 14.4.61

A General Examination has been held on this vessel in accordance with Circular 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 were opened out as shown above. Electrical equipment examined and insulation tested and found or placed in good order.

Boiler Repairs  
All boiler mounting, doors and fastenings examined and found or placed in good order.  
9 combustion chamber stay pins and one plain tube examined.  
Other minor wear and tear repairs effected.

LEAVE THIS SPACE BLANK

Survey fees Gen. Ex. £ 15-0-0  
M.B.S. £ 8-0-0  
T.S. £ 5-0-0

Damage fee .....

Expenses.....

Date when A/c rendered 5.9.61

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