

Rpt. 9

Date of writing report 5.9.61

Survey held at BELFAST

Received London

No. of visits 9

Port BELFAST

First date 25.7.61

No. 17012

Last date 16.8.61

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 03286 Name S.S. "BALLYKIRK"
 Owners JOHN KELLY LTD. Managers E.W.P. KING LTD.
 Engines made 10.34 By J. LEWIS & SONS LTD. ABERDEEN
 No. of Main Engines 1 No. of Screws 1
 No. of Main Boilers 1 SB W.P. 200 lb/sq in.
 No. of Aux./Donkey Boilers - W.P. -
 Surveyed Afloat or in Dry Dock Both
 Nature of Survey Gen. Ex. MBS, Dkg.
 Was Damage Report issued? No Int. Cert. YES
 Last Report (For Head Office only)

Gross tons 869 Date of build 10.1934

Port of Registry BELFAST

Type T. 3 cyl.

Records of Survey & Special Notations as per Register Book

Hull	Machinery
BS *	MBS *
SS (D.) 7.57	ES 7.57
DS 7.60	MBS 7.60
	TS (C.) 7.60
	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 **0.125"** Oil Glands **-** Sea Connections **Good**

Fastenings **Good** Has Screwshaft Tubeshaft been drawn? **No** Date of Examination **-** Has Shaft been changed? **-**

Has Shaft now fitted been previously used? **-** Has Shaft now examined/fitted a continuous liner? **-** Approved oil gland? **-**

MAIN ENGINES (Recip. Steam **-**) 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 - IP Good

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 **-**

SCAVENGE BLOWERS

16 SCAVENGE BLOWERS **-**

SUPERCHARGERS

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts **-**

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS

REDUCTION GEARING

THRUST BLOCKS, SHAFTS & BEARINGS

INTERMEDIATE SHAFTS & BEARINGS

HOLDING DOWN BOLTS & CHOCKS

CONDENSERS (MAIN & AUX.)

STEAM RE-HEATERS

DE-SUPERHEATERS

STOP & MANOEUVRING VALVES

MAIN ENGINE DRIVEN PUMPS

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

AIR PUMP - **Good**

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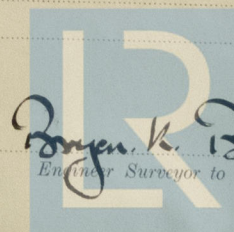
CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Date of Committee WEDNESDAY 20 SEP 1961

Decision Deferred for comp. ES.
but MBS. 8.61

M4,59 T. (MADE AND PRINTED IN ENGLAND)

Noted
for
Header

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Donner K. Batten
 Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register
 Foundation

002997-003005-0211

If certificate is required state where to be sent

32 Essential Independent Pumps (Identify by position) BALLAST; G/S. Good
33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls Generally examined and tested. - 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 Generally - Good 43 Have Evaporator Safety Valves been tested under steam?
44 Steering Machinery 45 Windlass 46 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position)

Dynamo Engine in entirety - Good

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD		AUXILIARY EQUIPMENT
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 26.7.61 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 Postpurment of Special Survey is 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 opened out as shown above.
Electrical equipment examined and insulation tested and found as placed in good order.

BOILER REPAIRS Boiler mountings, doors, and fastenings found in good order.
18 Pleur Tubes and 14 Stay pins removed. Other tubes wear and tear repairs.
Grinding in knuckle of front tube plate below peak mark hole cut out and
required by electric welding.
Grinding in gooseneck of centre furnace joining to combustion chamber cut
out completely and a new patch (tested material 18"x7") inserted, electrically
welded and suited to combustion chamber. Boiler tested as completed to 200 lb/sq. in.

Survey fees G.E. £ 15 - 0 - 0

MBS. £ 8 - 0 - 0

Damage fees Boiler £ 5 - 0 - 0
repairs.

Expenses...

Date when A/c rendered 5.9.61

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