

Rpt. 9

Date of writing report 5.9.61

Received London

Port BELFAST

No. 17012

Survey held at BELFAST

No. of visits 9

First date 25.7.61

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. Gross tons 869 Date of build 10.1934
 Engines made 10.34 By J. LEWIS & SONS LTD. ABERDEEN Port of Registry BELFAST
 No. of Main Engines 1 No. of Screws 1 Type T. 3Cyl.

Records of Survey & Special Notations as per Register Book

No. of Main Boilers 1 SB W.P. 200 lb/sgm.
 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)

Hull	Machinery
BS *	MBS *
SS (Dr) 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 ~~Engines~~) PORT ~~STARBOARD~~
- 1 Cyls., Covers, Pistons & Rods **H.P. I.P. & L.P. - Good**
- 2 Valves & Gears **H.P. I.P. & L.P. - Good**
- 3 Connecting Rods, Top Ends & Guides { Side, Centre
- 4 Crankpins & Bearings { Side, Centre **I.P. 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
- 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
- 24 INTERMEDIATE SHAFTS & BEARINGS
- 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 **AIR PUMP - Good**
- 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 as far as now seen is in good condition and, eligible, in my opinion, to remain as now classed with fresh record of survey MBS, 8.61

WEDNESDAY 20 SEP 1961

Date of Committee
 Decision **Deferred for comp. ES. but MBS. 8.61**

Noted for Header



007997-003005-0211

OF SHIPB...

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) Dyano Engine in entirety - Good

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD	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 lbsq.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 Post-shipment 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 Plain Tubes and 14 Stay pins removed. Other tubes wear and tear repairs.
Grooving in knuckle of front tube plate below peak marks cut out and
repaired by electric welding.
Grooving in gorse of centre furnace joining to combustion chamber cut
out completely and a new patch (tested material 18" x 7") inserted, electrically
welded and tested to combustion chamber. Boiler tested as complete to 200 lbsq.in.

LEAVE THIS SPACE BLANK

Survey fees G.F. £ 15 - 0 - 0

MBS. £ 8 - 0 - 0

Damage fees Boiler £ 5 - 0 - 0
repairs.

Expenses... ..

[Signature]

Date when A/c rendered 5.9.61

