

Rpt. 9

Date of writing report 24.4.58
Survey held at IRVINE

Received London
No. of visits 6

Port GLASGOW
First date 28.1.58

No. 88647
Last date 23.4.58

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 03016 S.S. Name M.V. BALLYDUFF Gross tons 583 Date of build 1929-10
Owners JOHN KELLY LTD Managers E.W.P. KING Port of Registry BELFAST
Engines made 1924 By J. LEWIS & SONS LTD Type T 3 CY 14" 24" x 39" x 27"
No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 1.58 W.P. 180 lb.
No. of Aux./Donkey Boilers 1 W.P. 180 lb.
Surveyed Afloat or in Dry Dock BOTH
Nature of Survey MBS ES SPS
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 A1 | +LMC |
| 1.57 | 1.53 |
| SS (D) 7.48 BEL | MBS |
| 1.53 | 1.57 |
| | TSC |
| | 1.57 |
| | SPS |
| | 1.53 |

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 Propellers GOOD Wear Down of Stern Bushes 1/8" 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 or I.C.)
1. 1 Cyls., Covers, Pistons & Rods HP, IP & LP - GOOD
2. 2 Valves & Gears HP, IP & LP - GOOD
3. 3 Connecting Rods, Top Ends & Guides Side HP, IP & LP - GOOD
Centre
4. 4 Crankpins & Bearings Side HP, IP & LP - GOOD
Centre HP, IP & LP - GOOD
5. 5 Journals & Bearings HP, IP & LP - GOOD

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

SUPERCHARGERS

MAIN TURBINES

16. Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS

REDUCTION GEARING

23 THRUST BLOCKS, SHAFTS & BEARINGS GOOD
24 INTERMEDIATE SHAFTS & BEARINGS GOOD
25 HOLDING DOWN BOLTS & CHOCKS GOOD
26 CONDENSERS (MAIN & AUX.) GOOD
27 STEAM RE-HEATERS
28 DE-SUPERHEATERS
29 STOP & MANOEUVRING VALVES GOOD
30 MAIN ENGINE DRIVEN PUMPS GOOD

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 safe working condition and eligible, in my opinion, to remain as classed with fresh records of ES 4.58 and MBS 3.58, Steam life Survey 4.58, next.

Date of Committee

Decision

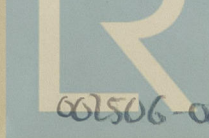
GLASGOW 29 APR 1958
ES 4.58
MBS 3.58 SPS 4.58

30m 8.55 T. (MADE AND PRINTED IN ENGLAND.)

CERTIFICATE WRITTEN.

Noted for

Engine Surveyor to Lloyd's Register of Shipping



Lloyd's Register Foundation

32 32 Essential Independent Pumps (Identify by position) GENERAL SERVICE - GOOD, BALLAST - GOOD

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

34 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 44 Steering Machinery GOOD 45 45 Windlass GOOD 46 46 Fire Extinguishing Arrangements GOOD

AUXILIARY ENGINES (Identify by position) GENERATOR ENGINE - GOOD

| | | ELECTRICAL EQUIPMENT | |
|------------------------------|------|----------------------|---------------------------------------|
| PROPULSION | PORT | STARBOARD | AUXILIARY EQUIPMENT |
| a Generators | | | 1 Generators & Governors GOOD |
| b Exciters | | | |
| c Air Coolers | | | |
| d Motors | | | m Motors |
| e Air Coolers | | | |
| f Control Gear, Cables, etc. | | | n Switchboards & Fittings GOOD |
| g Insulation Resistance | | | o Circuit Breakers |
| h Insulating Oil Test | | | p Cables GOOD |
| i Overspeed Governors | | | q Insulation Resistance GOOD |
| j Magnetic Couplings | | | r Steering Gear Generators and Motors |
| k Air Gap | | | s Navigation Light Indicators GOOD |

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

MAIN GOOD 30.1.58

AUXILIARY, DONKEY or PRESS

Superheaters

Safety Valves GOOD

Mountings, Doors & Fastenings GOOD

Safety Valves Adjusted to Sat. 180 LBS.

Sph. GOOD

Boiler Securing Arrangements

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 EFFICIENT

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main GOOD - COPPER

Auxiliary (over 8 in. bore)

Were Copper Pipes annealed? YES

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)

Main Boiler Repairs - 35 Plain tubes and 4 stay tubes re-newed
6 Back stays centre combustion chamber, 4 wing stays between port and centre
combustion chambers re-newed. 20 Rivets port side centre furnace where flanges
to combustion chamber removed, plate re-installed by electric welding and joint
re-welded. Blow down valve removed from shell and re-fitted.
Main Engine & Auxiliaries Repairs - New bottom spring fitted Main Engine H.P.
Valve, main Engine driven Pulge & Feed rammer & shakers, new nut & gland
brakes fitted, 6 tubes removed condenser, Needleless main bearings
renewed, cable lifter re-bushed and secondary shaft overhauled

MAY 1958

LEAVE THIS SPACE BLANK

E.S. 130-0-0 ✓
Survey fees
MBS. 18-0-0 ✓
ELEC 7-0-0
S.P.S. 3-0-0 ✓
Damage fee
Expenses... 2-5-0

Date when A/c rendered

29 APR 1958

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