

Rpt. 9 /E. 1 NOV 1957 5 NOV 1957
Date of writing report 29th October, 1957. Received London
Survey held at Jarrow No. of visits 4 Port NEWCASTLE No. 114786
First date 15.10.57. Last date 29.10.57.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 25479 Name S.S. "REDRIFF" Gross tons 1577 Date of build 8.1925
Owners South Eastern Gas Board Managers A.G. Gostelow Port of Registry LONDON
Engines made By N.E. Marine Eng. Co. Ltd. Newcastle Type T 3 Cy. 18", 30" & 49" x 33"
No. of Main Engines 1 No. of Screws 1
No. of Main Boilers 2 S.B. W.P. 180lbs.
No. of Aux./Donkey Boilers W.P.
Surveyed Afloat or in Dry Dock Dry Dock
Nature of Survey T.S.S: M.B.S: & S.R.L:
Was Damage Report issued? Int. Cert.? Yes
Last Report (For Head Office only)

Hull		Machinery	
+ 100 A.1.		+ L.M.C.	
S.S. Shl. 10.56		E.S. 10.56	
Dkg. 11.56		M.B.S. 10.56	
(Dr) 10.48		T.S.C.L. 10.54	

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 Bush ☒ Close Sea Connections ☒ Good
Fastenings ☒ Good Has Screwshaft been drawn? ☒ Yes Date of Examination 17.10.57. Has Shaft been changed? ☒ No
Has Shaft now fitted been previously used? ☒ Yes Has Shaft now examined a continuous liner? ☒ Yes Approved oil gland? ☒ -
MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD
1 Cyls., Covers, Pistons & Rods
2 Valves & Gears
3 Connecting Rods, Top Ends & Guides Side Centre
4 Crankpins & Bearings Side Centre
5 Journals & Bearings
6 Cyls., Covers, Pistons & Rods
7 Connecting Rods & Top Ends
8 Crankpins & Bearings
9 Journals & Bearings
10 Coolers & Safety Devices
11 Cyls., Covers, Pistons & Rods
12 Connecting Rods & Top Ends
13 Crankpins & Bearings
14 Journals & Bearings
15 Levers
16
17
18 Casings, Rotors, Blading, Bearings & Thrusts
19 (WITH RECIP. ENGINES)
20
21
22
23 THRUST BLOCKS, SHAFTS & BEARINGS
24 INTERMEDIATE SHAFTS & BEARINGS
25 HOLDING DOWN BOLTS & CHOCKS
26 CONDENSERS (MAIN ☒ Good
27 STEAM RE-HEATERS
28
29 STOP & MANOEUVRING VALVES
30 MAIN ENGINE DRIVEN PUMPS
31 Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS
The machinery of this vessel, as far as now seen, is in safe working condition and eligible, in my opinion to remain as classed with fresh records of M.B.S. 10.57 and T.S.(CL) 10.57 without special condition regarding condenser water boxes.

Date of Committee
Decision See Rpt. 8

23 Essential Independent Pumps (Identify by position)

24 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls

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

26 Lub. Oil Coolers

27 Heaters (state service)

28 Auxiliary

29 Oil Fuel Tanks (Not forming part of hull structure)

30 Evaporators

31 Have Evaporator Safety Valves been tested under steam?

32 Steering Machinery

33 Windlass

34 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position)

ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT	
PORT	STARBOARD		
a Generators		1 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	
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 Port and starboard boilers, Good. 18/10/57

AUXILIARY, DONKEY or PRESS

Safety Valves

Mountings, Doors & Fastenings

Safety Valves Adjusted to

Boiler Securing Arrangements

Steam Generator Safety Valves Adjusted to

Funnel

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)

WEAR & TEAR REPAIRS:- Port Boiler. Port Combustion Chamber.

3 rivet landing fractures on furnace Gourley veed out and welded. 1 rivet landing fracture on C.C. back plate veed out and welded.

Centre Combustion Chamber:- 3 rivet landings on furnace Gourley veed out and welded.

Starboard Combustion Chamber:- 1 rivet landing on furnace Gourley veed out and welded.

Mountings:- 1 press gauge cock renewed auxiliary check valve spindle renewed, blow down valve lid renewed.

Starboard Boiler:- Port Comb. Chamber. 1 rivet landing fracture on furnace Gourley veed out and welded. 1 rivet landing fracture on combustion chamber back plate veed out and welded.

Starboard Comb. Chamber:- 2 rivet landing fractures on furnace Gourley veed out and welded.

Mountings:- 1 press gauge cock renewed, dynamo valve spindle renewed, main check valve spindle renewed. A number of tubes expanded each boiler.

(Continued on page 3.....)

Survey fees

M.B.S. £16. 0. 0.

T.S.S. £5. 0. 0.

Damage fee

Expenses...

Date when A/c rendered

Rpt. 9a- Cont. Sheet 3.

Continuation of ~~XXX~~ Mch. Report No. 114786 dated

Port of

on the S.S. ~~XXX~~ "REDRIFF".

WEAR & TEAR REPAIRS:- (Continued).

Stern Bush:- Rewooded.

S.R. List:-

Condenser water boxes to be renewed by 10.57 (12 months limit). Both water boxes now renewed. This item to be now deleted from special reasons list.

E Hardcastle