

Rpt. 9

79 MAR 1959

Date of writing report 12th March, 1959

Received London

Port CARDIFF

No. 60801

Survey held at BARRY

No. of visits 30

First date 29/12/58

Last date 2/3/59

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 54946 S.S. "BROOMDALE" Gross tons 8562 Date of build 1937-11

Owners The Admiralty Managers - Port of Registry London

Engines made 1937 By Harland & Wolff, Ltd. Type Oil Eng. 4SA 60v.

No. of Main Engines 1 No. of Screws 1 Records of Survey & Special Notations as per Register Book

No. of Main Boilers - W.P. - Hull 100 A1 Machinery LMC

No. of Aux./Donkey Boilers 2 W.P. 150 lb carrying petroleum in bulk CS. 2, 57

Surveyed Afloat or in Dry Dock Both 2, 58 d. 3, 53

Nature of Survey Dkg., T.S., DBS. & C.S. s.s. Bom. 2, 57 C.L. 12, 55 N

Was Damage Report issued? No Int. Cert.? Yes SPS. 2, 57

Last Report (For Head Office only) Machinery, aft.

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 Close fit Oil Glands None Sea Connections Good

Fastenings Good Has Screwshaft Tubeshaft been drawn? Yes Date of Examination 16/1/59 Has Shaft been changed? No

Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? Yes Approved oil gland? No

MAIN ENGINES (Recip. Steam or I.C.) PORT STARBOARD

1 Cyls., Covers, Pistons & Rods All - Good

2 Valves & Gears All - Good

3 Connecting Rods, Top Ends & Guides Side Centre All - Good

4 Crankpins & Bearings Side Centre All - Good

5 Journals & Bearings All - 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

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 Good

26 CONDENSERS (MAIN & AUX.) Good (Tested)

27 STEAM RE-HEATERS

28 DE-SUPERHEATERS

29 STOP & MANOEUVRING VALVES

30 MAIN ENGINE DRIVEN PUMPS Lub.Oil, Fuel surcharge pump (both good)

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Good 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 order and is eligible in my opinion to remain as classed, and to have records of TS.(CL) 3,59, DBS. 3,59 and C.S. (with date) on completion of survey.

TUESDAY 7 APR 1959

Date of Committee Decision TS 3 59 DBS 3 59

50m, 6, 56. T. (MADE AND PRINTED IN ENGLAND.)

Noted for Header

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002498-002505-0017

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

CS.

32 Essential Independent Pumps (Identify by position) 2 feed pumps, 2 O.F. unit pumps, Lub. oil pump, Aux. fuel oil pump, O.F. transfer pump, Bilge pump, Aux. circ. pump, General service pump - all Good

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

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

35 Fresh Water Coolers Good - tested 36 Lub. Oil Coolers Good - tested 37 Heaters (state service) 2 O.F. unit heaters - Good (tested)

38 Independent Air Compressors, Coolers & Safety Devices 2 air compressors - Good

39 Air Receivers & Safety devices - Main Port lower - Good 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 45 Windlass Good 46 Fire Extinguishing Arrangements Good

AUXILIARY ENGINES (Identify by position) Steam driven generator engine, 2 diesel generator engines.

ELECTRICAL EQUIPMENT

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

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

MAIN AUXILIARY, DONKEY or PRESS Port 8/1/59 Stbd 21/1/59  
Both Good

Superheaters Good

Safety Valves Good

Mountings, Doors & Fastenings 150 lbs. sq. in.

Safety Valves Adjusted to { Sat.  
Spt. Good

Boiler Securing Arrangements

Main Economisers Exhaust Gas Heated Economisers

Steam Heated Steam Generators Steam Generator Safety Valves Adjusted to Yes

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

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? None 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)

All top and bottom end bearings now re-metalled. Sternbush rewooded.  
Bilge pump water end liners renewed.  
Sundry minor repairs effected.

All centre tank heating coils replaced by conical type heating coils, deck steam exhaust valves now renewed, tested, found satisfactory. (All heating coils tested in place and found satisfactory)

LEAVE THIS SPACE BLANK

Survey fees Part C.S. £ 35. 0. 0.  
D.B.S. 16. 0. 0. ✓  
P.S. 5. 0. 0.

Damage fee  
Expenses... 5.12. 6.

Date when A/c rendered



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JK