

Rpt. 9

Date of writing report 28/12/55

28 DEC 1955

E7 JAN 1956

Survey held at NEWCASTLE UPON TYNE.

Received London

Port NEWCASTLE UPON TYNE.

No. 113074

No. of visits 8

First date 16/11/55

Last date 22/12/55

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 32177 Name ^{S.S.} R.F.A. "WAVE SOVEREIGN" Gross tons 8332 Date of build 2 - 1946

Owners The Admiralty

Managers -

Port of Registry London

Engines made 1946 By Richardsons, Westgarth, Hpl.

Type 2 Steam Turbines D.R. geared to Screw Shaft.

No. of Main Engines 1 No. of Screws 1

Records of Survey & Special Notations as per Register Book

No. of Main Boilers 2 W.T. W.P. 490 lbs (spt 475 lbs)

No. of Aux./Donkey Boilers 2 SB W.P. 180 lbs

Surveyed Afloat or in Dry Dock Both

Nature of Survey DKG. B.S. T.S.

Was Damage Report issued? No Int. Cert. Yes

Last Report (For Head Office only)

Hull
+ 100 A.1 S.S.10/54
NWC.
CARRYING PETROLEUM IN BULK
1/55Machinery
* L.M.C. 10/54
B.S. 10/54
C.L. 3/53
Sps. 10/54

MACHINERY AFT.

FITTED FOR OIL FUEL 2/46 F.P.

above 1500 P.

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 0.060" Oil Glands Sea Connections Good

Fastenings Good Has Screwshaft been drawn? Yes Date of Examination 15/12/55 Has Shaft been changed? No

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

MAIN ENGINES (Recip Steam Eng.)

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

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

31 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring?

OPINION OF MACHINERY AND RECOMMENDATIONS "The Machinery of this Vessel, as now seen, is in good order and eligible, in my opinion, to remain as Classed with Fresh Record of Survey B.S. 12/55, and Notation of "Tailshaft seen 12/55 C.L." now.

Date of Committee

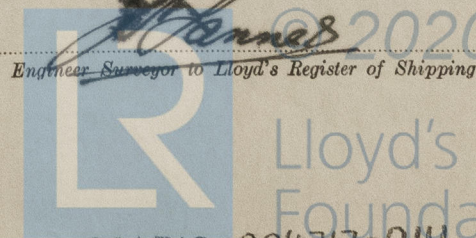
TUESDAY 31 JAN 1956

Decision

As per 5/12/55 BS 12/55

30m, 5.64. T.

Engineer Surveyor to Lloyd's Register of Shipping



004710-004717-0111

Lloyd's Register Foundation

If certificate is required state where to be sent.

32 Essential Independent Pumps (Identify by position).....

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..... 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 Steering Machinery..... 45 Windlass..... 46 Fire Extinguishing Arrangements.....

AUXILIARY ENGINES (Identify by position).....

ELECTRICAL EQUIPMENT

PROPULSION	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.....
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 & Starboard 24/11/55 Good ~~AUXILIARY DONKEY & PRESS~~ Port & Starboard 17/11/55 Good

Superheaters..... Good

Safety Valves..... Good

Mountings, Doors & Fastenings..... Good

Safety Valves Adjusted to { Sat. 490 lbs. sq.in.

{ Spt. 475 lbs. sq.in. 180 lbs. sq.in.

Boiler Securing Arrangements..... Good

Main Economisers..... Good 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? Funnel Efficient.

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)

REPAIRS "WEAR AND TEAR":-

Minor repairs effected to main and Donkey boiler mountings and sea connections.

CIRCULAR 1980:-

The following information obtained from the Chief Engineer:-

Total heating surface boilers:- 5550 sq. ft.

Total Heating surface superheaters:- 1660 sq. ft.

Total Heating surface economisers:- 4810 sq. ft.

T.H.S. :- 9615 sq. ft.

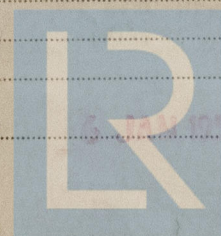
Survey fees B.S. £24. 0. 0d

T.S.C.L £ 4. 0. 0d

Damage fee

Expenses... ..

Date when A/c rendered.....



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Lloyd's Register Foundation

Donkey Low temp steam
BS lead

It is submitted that this
vessel is eligible for THE
RECORD BS lead

5/12/55

Jan 1/56

LEAVE THIS SPACE BLANK

4/12/55