

Rpt. 9

Date of writing report 15th July, 1958

Received London

Port CARDIFF

No. 60543

Survey held at BARRY

No. of visits 2

First date 7.7.58

Last date 8.7.58

18 JUL 1958

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 84640 Name S.S. "WAVE EMPEROR" Gross tons 8196 Date of build 1944 - 12

Owners The Admiralty Managers -- Port of Registry London

Engines made 1944 By Richardsons, Westgarth. Type 2 steam turbines DR geared to sc. shaft.

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

No. of Main Boilers 2WTB. W.P. 490 lb. Spt. 475 lb.

No. of Aux./Donkey Boilers 2 W.P. 180 lb.

Surveyed Afloat or in Dry Dock Both

Nature of Survey Damage

Was Damage Report issued? No Int. Cert.? Yes

Last Report (For Head Office only)

Hull	Machinery
100 A1	LMC.
carrying petroleum in bulk	C.S. 11,57
10,57	MBS. 11,57
s.s.Nwc.(Dr) 10,57	DBS. 11,57
	C.L. 10,57
	SPS. 11,57 O.F.12,44

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 † Wear Down of Stern Bushes Not taken Oil Glands - Sea Connections Not exd.  
 Fastenings Good Has Screwshaft/Tubeshaft been drawn? No Date of Examination - Has Shaft been changed? No  
 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.) 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 MAIN ENGINE DRIVEN AIR COMPRESSORS
  - 7 Cyls., Covers, Pistons & Rods
  - 8 Connecting Rods & Top Ends
  - 9 Crankpins & Bearings
  - 10 Journals & Bearings
  - 10 Coolers & Safety Devices
  - 11 MAIN ENGINE DRIVEN SCAVENGE PUMPS
  - 12 Cyls., Covers, Pistons & Rods
  - 13 Connecting Rods & Top Ends
  - 14 Crankpins & Bearings
  - 15 Journals & Bearings
  - 16 Levers
  - 16 SCAVENGE BLOWERS
  - 17 SUPERCHARGERS
  - 18 MAIN TURBINES
  - 19 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? The Machinery of this vessel, so far as now seen, is in an efficient condition and is eligible in my opinion to remain as now classed without fresh record of survey, subject to bronze propeller being examined and dealt with as necessary at next docking.

Date of Committee TUESDAY 12 AUG 1958  
Decision As saw, subject

30m.6.55. T. (MADE AND PRINTED IN ENGLAND.)

Noted for Header



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

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..... AUXILIARY, DONKEY or PRESS.....

Superheaters.....

Safety Valves.....

Mountings, Doors & Fastenings.....

Safety Valves Adjusted to Sat..... Spt.....

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.....

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)

Now done for Damage:- stated to have been caused by vessel grounding at Pembroke Dock on 2nd July, 1958.

Vessel placed in dry dock. Propeller, sternbush and outside fastenings examined.

+ The leading edges of three blades of bronze propeller damaged, nothing done at this time to propeller, considered efficient. Recommended that the propeller be again examined at next dry docking. It was noted that all blades of this propeller had pieces inserted in the blading and trailing edges of each blade, these appeared to have been electrically welded to propeller blades.

LEAVE THIS SPACE BLANK

Survey fees .....

Damage fee .....

Expenses... ..

Date when A/c rendered.....