

Rpt. 9

Date of writing report 5.4.61.
 Survey held at Bristol

Received London
 No. of visits three

Port BRISTOL No. 21650
 First date 2.3.61. Last date 17.3.61.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 79518 Name S.S. "SEA GEM" Gross tons 54 Date of build 3-1944
 Owners "Sea King" Steam Tug. Co. Ltd., Managers C.J. King & Sons (Tugs) Ltd., Port of Registry Bristol
 Engines made 1944 By N.E. Mar. Engineering Co., (1938) Ltd., Type C 2Cy.

No. of Main Engines 1 No. of Screws 1
 No. of Main Boilers 1 SB W.P. 140 lb.
 No. of Aux./Donkey Boilers - W.P. -
 Surveyed Afloat or in Dry Dock Both
 Nature of Survey SPs & MBS
 Was Damage Report issued? - Int. Cert.? Yes.
 Last Report (For Head Office only)

Records of Survey & Special Notations as per Register Book

Hull	Machinery
BS* tug Harbour and river service. 3.60	MBS* 2.58
SS 2.58	MBlr.s. 4.60
	TS OG 2.59
	SPs 11.53

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 Close (Oil Tight). Oil Glands Good. Sea Connections Good.
 Fastenings Good Has Screwshaft 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.) PORT STARBOARD
- Cyls., Covers, Pistons & Rods
 - Valves & Gears
 - Connecting Rods, Top Ends & Guides { Side, Centre
 - Crankpins & Bearings { Side, Centre
 - Journals & Bearings
 - MAIN ENGINE DRIVEN AIR COMPRESSORS
 - Cyls., Covers, Pistons & Rods
 - Connecting Rods & Top Ends
 - Crankpins & Bearings
 - Journals & Bearings
 - Coolers & Safety Devices
 - MAIN ENGINE DRIVEN SCAVENGE PUMPS
 - Cyls., Covers, Pistons & Rods
 - Connecting Rods & Top Ends
 - Crankpins & Bearings
 - Journals & Bearings
 - Levers
 - SCAVENGE BLOWERS
 - SUPERCHARGERS
 - MAIN TURBINES
 - Casings, Rotors, Blading, Bearings & Thrusts
 - EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)
 - STEAM COMPRESSORS
 - CLUTCHES & HYDRAULIC COUPLINGS
 - REDUCTION GEARING
 - THRUST BLOCKS, SHAFTS & BEARINGS
 - INTERMEDIATE SHAFTS & BEARINGS
 - HOLDING DOWN BOLTS & CHOCKS
 - CONDENSERS (MAIN & AUX.)
 - STEAM RE-HEATERS
 - DE-SUPERHEATERS
 - STOP & MANOEUVRING VALVES
 - MAIN ENGINE DRIVEN PUMPS
 - CRANKCASE DOORS & EXPLOSION RELIEF DEVICES

Have Main Engines been tested working and manoeuvring?
 OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel is eligible in my opinion to remain as classed with fresh records of SPs 3-61 and MBS 3-61.

Date of Committee THURSDAY - 4 MAY 1961
 Decision MBS 3.61
 SPs 3.61
 50m.4.59 T. (MADE AND PRINTED IN ENGLAND)



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)

PROPULSION	ELECTRICAL EQUIPMENT		AUXILIARY EQUIPMENT
	PORT	STARBOARD	
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 2.3.61. - Good. AUXILIARY DONKEY & PRESS X

Superheaters

Safety Valves Good.

Mountings, Doors & Fastenings Good.

Safety Valves Adjusted to { Sat. 140 p.s.i.
Spt.

Boiler Securing Arrangements Good.

Main Economisers Exhaust Gas Heated Economisers

Steam Heated Steam Generators Steam Generator Safety Valves Adjusted X

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

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? X - Funnel Good.

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main Good (tested 2WP) Steel. 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 and Tear Repairs:- All sea valves opened out examined and found somewhat thin due to corrosion. All sea valves now renewed (fabricated steel) tested to 50 lbs. p.s.i., stamped LLOYDS TEST 50 lbs. p.s.i. 15.3.61. RS.

Minor repairs effected to boiler mountings.

LEAVE THIS SPACE BLANK

Survey fees MBS £8.0.0.
Repairs £5.5.0.

Damage fee
Expenses... ..

Date when A/c rendered 5.4.61.



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