

Rpt. 9

Date of writing report 19-10-61 Received London Port SYDNEY N.S.W. No. 30 OCT 1961
Survey held at SYDNEY N.S.W. No. of visits 2 First date 14-10-61 Last date 19-10-61

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 17485 S.S. 1 Name "KARUAH" Gross tons 1353 Date of build 1940
Owners Southern Shipping Co. Ltd. Managers - Port of Registry Newcastle N.S.W.
Engines made 1940 By N.E. Marine Eng. Co. (1938) Ltd. Type T 3 Cy
No. of Main Engines 1 No. of Screws 1
No. of Main Bollers 2 W.P. 235 lb
No. of Aux./Donkey Bollers - W.P. -
Surveyed Afloat or in Dry Dock drydock
Nature of Survey T.S. & S.R.L.
Was Damage Report issued? Int. Cert.?
Last Report (For Head Office only)

Hull	Machinery
100 A1	LMC
with freeboard	E.S. 7/56
SS 8/57	MRS 7/61
Ds 9/60	TSCl 8/58
	Sps 8/59

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.

LOCKING Propellers good Wear Down of Stern Bushes rewooded Oil Glands Sea Connections see back
fastenings good Has Screwshaft/Tabs been drawn? yes Date of Examination 14/10/61 Has Shaft been changed? no
Has Shaft now fitted been previously used? Has Shaft now examined/used a continuous liner? yes 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? yes

OPINION OF MACHINERY AND RECOMMENDATIONS This vessel's machinery as far as seen is in good condition, eligible in my opinion to remain as now classed with record of T.S. (C.L.) 10/61 and without special conditions in regard to the high and low main circulating inlet valves.

Date of Committee

Decision

WEDNESDAY 15 NOV 1961

Deferred for comp RS (without of edu)

19-10-61

TS 10.61

Engineer Surveyor to Lloyd's Register of Shipping

(I.M.petrie)

013390 - 013396 - 0228

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 Working - good

45 Windlass Working - good

46 Fire Extinguishing Arrangements

AUXILIARY ENGINES (Identify by position)

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD		AUXILIARY EQUIPMENT
Generators			Generators & Governors <u>good</u>
Exciters			
Air Coolers			
Motors			Motors
Air Coolers			
Control Gear, Cables, etc.			Switchboard & Fittings <u>good</u>
Insulation Resistance			Circuit Breakers <u>good</u>
Insulating Oil Test			Cables <u>good</u>
Overspeed Governors			Insulation Resistance <u>satisfactory</u>
Magnetic Couplings			Steering Gear Generators and Motors <u>-</u>
Air Gap			Navigation Light Indicators

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)

S.R.L. ITEM: Referring to the renewal of the high and low main circulating inlet valves now dealt with by renewal of these items in cast steel.

Valve castings marked.

LLOYD'S TEST 50 LBS

SYDNEY NO. 1177 A & B

4/10/61 J.McC

It is recommended that this item be now removed as a condition of classification.

Now done: FOR GENERAL EXAMINATION:

Main engines and auxiliary machinery examined under working conditions together with steering machinery and windlass.

The electrical equipment also examined and insulation resistance megger tested. All these items have been found or placed in good condition and it is submitted that the deferment of the hull special survey until August 1962 be considered.

Survey fees T.S. & Rep. £. 20. 0.0

Damage fee

Expenses £. 15.0

Date when A/c. rendered 19/10/61

Travelling Expenses (if chargeable)

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Foundation