

Rpt. 9

Date of writing report 22-8-62... Received London... Port SINGAPORE... No. 15864... Survey held at SINGAPORE... No. of visits 6... First date 1-8-62... Last date 18-8-62.

REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 02355 Name T.S.S. "ARONDA" Gross tons 8396 Date of build 3-1941... Owners BRITISH INDIA STEAM NAV. CO. LTD Managers... Engines made 3-1941 By PARSONS MARINE TURB. CO. Type 6 steam turbines SR geared to 2 sc shaft.

No. of Main Engines 2 No. of Screws 2... No. of Main Boilers 3WTB. W.P. 400 lb, Spt. 440 lb... No. of Aux./Donkey Boilers... W.P. ... Surveyed Afloat or in Dry Dock Both... Nature of Survey Dkg. CS of Eng. & MBS... Was Damage Report issued? No Int. Cert.? Yes... Last Report (For Head Office only)

Table with columns: Hull (+100A1), Machinery (+LMC), CS (9/60), MBS (6/61), TSOG (pts) (9/60), sps. (9/60), +Lloyd's RMC.

Yes Now

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 P-041 5-047 Oil Glands PRS - EFFICIENT Sea Connections Good... 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

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

SCAVENGE BLOWERS... SUPERCHARGERS

MAIN TURBINES... 18 Casings, Rotors, Blading, Bearings & Thrusts I.P. - Good.

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)... STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS... REDUCTION GEARING Including I.P. & L.P. Pinions - Good

THRUST BLOCKS, SHAFTS & BEARINGS Good... INTERMEDIATE SHAFTS & BEARINGS Good

HOLDING DOWN BOLTS & CHOCKS... CONDENSERS (MAIN & AUX.) Good

STEAM RE-HEATERS... DE-SUPERHEATERS... STOP & MANOEUVRING VALVES Good

MAIN ENGINE DRIVEN PUMPS... CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring? No

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery of this vessel, so far as now examined, is in safe working condition and eligible, in my opinion, to remain as Classed with fresh records of MBS 8/62 now and CS (with date) when the survey has been completed.

Date of Committee MONDAY - 1 OCT 1962... Decision as now MBS 8.62

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) Aux. turbo-feed pump Good. Aux. circulating pump - Good.  
 Port bilge pump - Good. Aux. condensate extraction pump - Good. Forward Sanitary pump (Alt. refig. circ) - Good.  
 Forward F.W. pump (evap. feed) - 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 ..... 36 Lub. Oil Coolers ..... Port Main (tested) - Good. 37 Heaters (state service) ..... Upper F.O. (tested) - Good.

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 & Aft - 8-8-62 - All Good. AUXILIARY, DONKEY or PRESS

Superheaters Port, Starboard and Aft - Good.

Safety Valves Port, Starboard and Aft - Good.

Mountings, Doors & Fastenings Port, Starboard and Aft - Good.

Safety Valves Adjusted to { Sat. Port, Starboard and Aft - 450 lbs.  
 Spt. Port, Starboard and Aft - 440 lbs.

Boiler Securing Arrangements Port, Starboard and Aft - Good.

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? Yes Forced Circulating Pumps

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? - 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)

In addition to the above stated items the following were also examined for Continuous Survey and found, or placed, in good order:- Port Main Air ejector; Auxiliary air ejector and the Main boiler Port, Starboard and Aft. Forced and induced draught fans.

Repairs (wear and tear) The overboard discharge valve for the Port main L.O. cooler cooling water was found defective and a new 5" bore cast iron valve has been fitted, this valve being satisfactorily tested and stamped LLOYDS TEST 50 lbs. Sng. 3-8-62 WW.

Port Intermediate shaft bearings Metal of lower halves of 2 bearings severely wiped, both bearings now remetalled and satisfactorily refitted.

Auxiliary turbo-feed pump Impeller shaft found bent approximately 1/16", new shaft complete with turbine now satisfactorily fitted.

Auxiliary Condenser Outboard water box severely wasted and graphitised, new cast iron water box now satisfactorily fitted.

Minor other wear and tear repairs effected.

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Survey fees GS \$450.  
 MBS \$816

Damage fee ...

Expenses... \$ 20.

JB

Date when A/c rendered. 28/8/62