

Rpt. 9A REPORT OF MACHINERY SURVEYS AND REPAIRS (ENGINES AND AUXILIARIES)

Received London

FOR CONSIDERATION BY THE COMMITTEE OF LLOYD'S REGISTER OF SHIPPING

Ship's Name **SS/MS 'APJ AMBAR'** LR540085

Gross tons 5449 Port of Registry Calcutta Port Mormugao

Date of build 8-1950 Is there a rpt. 8? No Rpt. No. 98

No. of visits Three First date 12.1.66 Last date 16.1.66

Interim Cert. issued & copy herewith? Yes Damage rpt. issued & copy herewith? Yes Last rpt. (H.Q. only) **000 257**

Date of completing rpt. 18.1.66 Surveyed at, if different from Port above

Is a rpt. 9B attached? No MN 750 Nature of survey Damage and wear and Tear Repairs.

Survey fees Rs. 200:00 Damage fee Rs. 200:00 Expenses Rs. 50:00 inclusive of boat

S.A. fee Rs. 200:00

MAIN ENGINES, RECIP., STEAM OR I.C. (State Port—P or Starboard—S)

1 Cyls., covers, pistons & rods

2 Valves & gears

3 Con. rods, cross-heads, bearings & guides centre

Side

4 Crankpins & bearings centre

Side

5 Journals & bearings

MAIN ENGINE DRIVEN AIR COMPRESSORS (State Port—P or Starboard—S)

6 Cyls., covers, pistons & rods

7 Con. rods, cross-heads & bearings

8 Crankpins & bearings

9 Journals & bearings

10 Coolers & safety devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS (State Port—P or Starboard—S)

11 Cyls., covers pistons & rods

12 Con. rods, cross-heads & bearings

13 Crankpins & bearings

14 Journals & bearings

MAIN TURBINES (State Port—P or Starboard—S)

16 Casings, rotors, blading, bearings, & thrusts

15 Levers

17 Reduction gearing

18 Scavenge blowers

19 Superchargers

I recommend that the machinery of this ship remain as classed ~~with~~ without fresh record of survey but subject to :

i) the new eccentric rod now placed on board, being suitably machined and fitted on the main circulating pump

ii) the valve spindle crosshead bush being renewed

on arrival at Cochin to which port she is now stated to be proceeding and to any other conditions as previously recommended.

(Where conditions of class are recommended to be retained, imposed, amended or deleted, particulars must be stated above and on the interim certificate.)

Surveyor to Lloyd's Register of Shipping

Date of Committee

FRIDAY 18 FEB 1966

Minute

See Cal 2274

FEB 1966

All part or complete Special Surveys those items which are not applicable to the ship are to be cancelled; 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.

considered that re-examination or repairs should be made before that date a distinguishing mark must be inserted against the item and the circumstances and action taken or recommended described fully under "defects and repairs".

The condition of any item is to be described as "good" only when it 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 repairs have been effected or it is

ALSO FOR

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HEADER

CERT

Exhaust steam turbines (with recip. eng.)	20	Thrust blocks shafts & bearings	21
Steam compressors	22	Intermediate shafts & bearings	23
Clutches & hydraulic couplings	24	Condensers (main & aux.)	25
Steam re-heaters	26	Air ejectors (main & aux.)	27
De-superheaters	28	Forced &/or induced draught fans	29
Stop & manoeuvring valves	30	Holding down bolts & chocks	31
Main engine driven pumps	33	Detuner or vibration damper	32
Crankcase doors & explosion relief devices	34	Have main engines been tested working & manoeuvring? (To be done on completion of ES or CS cycle)	35

State Port P. or Starboard S.

36 Essential independent pumps : Main Condenser circulating water pump inspected for damage and now temporarily repaired.

Port Feed Water Pump: Wear & Tear Repairs.

37 Bilge, ballast & oil fuel suction lines, fittings & controls	38 Have the remaining piping arrangements & fittings in the machinery space been examined as considered necessary?
39 Fresh water coolers	40 Lub. oil coolers
41 Heaters (state service)	42 Feed water filters
43 Auxiliary air receivers & safety devices	44 Starting air pipes
45 Main air receivers & safety devices	
46 Independent air compressors coolers & safety devices	

Identify by position

47 Oil fuel tanks (not forming part of the hull structure)	49 Evaporators HP & LP	50 Distillers
48 Have all evaporators safety valves been tested under steam?	52 Steering machinery	53 Windlass
51 Fire extinguishing arrangements		

AUXILIARY ENGINES

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

Condenser Circulating Water Pump: The eccentric rod of the engine was broken in way of the fork at the upper end. The maintenance of this pump was apparently poor as the valve spindle crosshead pin was a very slack fit in the fork as well as the valve spindle bush, the holes in the fork and the crosshead bush being oval. A new rod and pin were made here but could not be fitted as the machining operation was not satisfactory. The old rod which was repaired by welding and strapping was fitted in place with a new pin, as a temporary measure.

Port Feed Water Pump: The landing for the false ring which in turn serves as a landing for the suction group valve block controlling the underside of the bucket was not satisfactory and as such the pump was unable to feed the boilers satisfactorily. The landing and the ring were suitably machined and fitted. The pump was then tested in place on load, to satisfaction.

The reason for repairs must be stated and those on account of damage, the alleged cause of which must be given, should be detailed separately from wear and tear repairs. State what action has been taken regarding items which are subjects of class. State also where appropriate, for the information of the Technical Records Dept., the material of the defective item and whether it is a forging, casting or welded fabrication. Any alterations in existing particulars in the Register Book should also be reported above.

