

Rpt. 9A REPORT OF MACHINERY SURVEYS AND REPAIRS (ENGINES AND AUXILIARIES)
FOR CONSIDERATION BY THE COMMITTEE OF LLOYD'S REGISTER OF SHIPPING

Received London
-1. NOV. 1965

Ship's Name **SS/MS "A.P.J. AMBAR"**
(L.R. 540085) Port of Registry **CALCUTTA** Port **VISAKHAPATNAM**
Gross tons **5499**
Date of build **8-1950** Is there a rpt. 8? **NO** Rpt. No. **883**
No. of visits **2** First date **14.10.65** Last date **16.10.65**
Interim Cert. issued & copy herewith? **YES** Damage rpt. issued & copy herewith? **NO** Last rpt. (H.Q. only) **CAL 1995**
Date of completing rpt. **21.10.65** Surveyed at, if different from Port above
Is a rpt. 9B attached? **NO** MN **752** Nature of survey **Repairs to Inboard Dynamo Steam Eng.**
Survey fees **Rs. 200/-** Damage fee Expenses **Rs. 24/-**

S.A. fee **Rs. 100/-**

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 | |
| 4 | Crankpins & bearings centre | Side |
| 5 | Journals & bearings | Side |

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 Starboards—S)

- | | | | |
|----|--|----|------------------|
| 15 | Casings, rotors, blading, bearings & thrusts | 16 | |
| 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 subject to any outstanding conditions of class being dealt with as previously recommended.

CAL 26/10

ALSO FOR

SPL FOR

PRO

SRL

POSTING

HEADER

CERT

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

Date of Committee **MONDAY 29 NOV 1965**

Minute
Write up
(TS) Prakash.

Deferred for ep. MBS. + TS
Subj. Prakash

(A. PRAKASH)
Surveyor to Lloyd's Register of Shipping

FOR CHAIRMAN
CLASSN. CTTEE

004486-004488-0358 1/2

A 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

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

State
Port P. or
Starboard S.

- | | | | | | |
|----|--|----|---|----|------------|
| 36 | Essential independent pumps | | | | |
| 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 | | | | |
| 47 | Oil fuel tanks (not forming part of the hull structure) | | | | |
| 48 | Have all evaporators safety valves been tested under steam? | 49 | Evaporators HP & LP | 50 | Distillers |
| 51 | Fire extinguishing arrangements | 52 | Steering machinery | 53 | Windlass |

Identify
by
position

AUXILIARY ENGINES

PARTICULARS OF DEFECTS, REPAIRS, ALTERATIONS, ETC.

It was stated by the Chief Engineer that on 12th October, 1965, at 1540 hours, whilst the vessel lay afloat in Visakhapatnam Harbour, a peculiar noise was heard from the Inboard Dynamo Steam Engine. Inboard Dynamo Steam Engine was immediately shut down. Upon examination, the following damage was found and repairs recommended.

FOUND:

- Inboard Dynamo Steam Engine Governor drive axle (Integral with crankshaft 1" diameter) sheared.
- Governor lever bent.

RECOMMENDED:

- 1" dia. sheared part to be machined and fitted with threads (B.S.W) on to the crankshaft and welded with a collar.
- Governor lever to renew.

(Contd)

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.

Ship's Name SSMS "A.P.J.AMBAR"

Port VISAKHAPATNAM Rpt. No. 883

FOUND:

3. Few Governor Pins slack.
4. Main Bearings wiped.

RECOMMENDED.

3. Slack pins to be made good.
4. Main Bearings to be remetalled.

Note:- No cause for the above damage was stated.

NOW DONE:

1. Inboard Dynamo Steam Engine crankshaft fitted with a new M.S. 12Dia. Governor Drive (Axle) by male female threaded joint and a collar welded alround.
2. Governor lever and keys renewed.
3. Slack Governor Pins made good.
4. Main bearings remetalled and journals polished.

S.R.L.:-242. As previously noted. Nothing done here.

Prakash
SURVEYOR TO LLOYD'S REGISTER OF SHIPPING.
(A.PRAKASH).



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