Rpt. 9.

No. 6381.

Report of Survey for Repairs, &c., of Engines and Boilers.

(Received at London Office MAY 16 1938)

Date of writing Report 12-4-1938 When handed in at Local Office 12/4/1938 Port of YOKOHAMA

No. in Reg. Book. 34632 Survey held at YOKOHAMA Date, First Survey 14-3 Last Survey 5-4-1938 (No. of Visits three)

on the Machinery of the ~~Wood, Iron or~~ Steel S.S. "TAIAN MARU" EX. "TAAN"

Tonnage { Gross 5411 / Net 3848

Nominal Horse Power { 520

No. of Main Boilers 3 SB

No. of Donkey Boilers ✓

Steam Pressure— in Main Boilers 180 lbs.

in Donkey Boilers ✓

Vessel built at Montreal By whom Canadian Vickers Ltd. When 1921-5

Engines made at do By whom do. When 1921

Boilers, when made (Main) 1921. (Donkey)

Owners AMAKASU GOMEI KAISHA Owners' Address 32, 3-CHOME MASAGO-CHO, NAKA-KU, YOKOHAMA. (if not already recorded in Appendix to Register Book.)

Managers ✓ Port YOKOHAMA Voyage

If Surveyed Afloat or in Dry Dock afloat in dry dock (State name of Dock.) Yokohama Dock.

Last Report No. Port

Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

CHARACTER. ✠ for Special Survey Date of last Survey and of Periodical Surveys.	Years assigned now required.	Machinery and Boiler Surveys (including date of N.B., if any).
+ 100 A1 2-37.		+ LMC 2.37
SS MTL. No. 3-10.32		TS(CL) 8.36
SS OSA No. 1-37		

Insert Character of Ship and Machinery precisely as in the Register Book

Particulars of Examination and Repairs (if any) LMC. Elect. fitting.

(Periodical Surveys, when held, must be reported in detail and seriatim in the terms of the Rules. State clearly the cause of Repairs, if any, and, in detail, the nature and extent of Examinations and subsequent Repairs. Repairs on account of Damage (the cause of which must be stated) should be separated from Repairs due to other causes; and besides being detailed in the body of the report, should be briefly summarised at the end of the report. State also the dates and initials of any letters respecting this case.)

In damage cases where the Surveyor has not made a special damage report he is required to state whether he offered his services for this purpose, and why they were declined ✓

Was a damage report made by anyone else? If so, by whom? ✓

Did the Surveyor personally go inside each Main Boiler separately and make a thorough examination at this time? Yes

" " Donkey " " " ✓

If this was not done, state for what reasons? ✓

And what parts of the Boilers could not be thus thoroughly examined? ✓

Also what special means, in the absence of internal examination, were adopted by the Surveyor to assure himself of the thorough efficiency of those parts of each Boiler? ✓

State latest date of internal examination of each boiler all - 14/3/38 Present condition of funnel(s) good.

Did the Surveyor examine the Safety Valves of the Main Boiler? Yes To what pressure were they afterwards adjusted under steam? 180 lbs.

Did the Surveyor examine the Safety Valves of Donkey Boiler? ✓ To what pressure were they afterwards adjusted under steam? ✓

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes, and of the Donkey Boilers? ✓

Did the Surveyor examine the drain plugs of the Main Boilers? ✓, and of the Donkey Boiler? ✓

Did the Surveyor examine all the mountings of the Main Boilers? Yes, and of the Donkey Boiler? ✓

Has screw shaft now been drawn and examined? ✓ Is it fitted with continuous liner? ✓ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

Has shaft now been changed? ✓ If so, state reasons ✓

Has the shaft now fitted been previously used? ✓ Has it a continuous liner? ✓ Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? ✓

State date of examination of Screw Shaft 8.36 State the distance between lignum vitæ ~~or bearing metal~~ of stern bush and top of after bearing of screw shaft 3/16"

Engine parts, when referred to by numbers, should be counted from forward. Is electric light ~~and/or power~~ fitted? Yes.

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done Complete.

Now done:- Vessel placed in dry dock, propeller, aft end of stern bush, sea cocks and valves with their shell fastenings examined and found in order.

Main engine cylinders, slide valve casings, pistons, rods, crosses, crank, thrust and tunnel shafting, condenser, pumps, piping and pumping arrangements examined. Dynamo engine, cylinder & crank throughout, generator & bearing, main switch board with all electric installations examined, tested by Megger and found or now placed in good conditions.

The three main boilers examined throughout with all the mountings and doors, all the main steam pipes water tested by hyd. press to 360 lbs per sq. in. and found in order.

Repairs due to wear & tear: Main engine piston packing rings renewed. Aux condenser tubes renewed. 7 winch cylinders renewed. (Continued)

General Observations, Opinion, and Recommendation:— The Boilers and the machinery

(State clearly what alteration, if any, is suggested to be made in the existing classification of the vessel's machinery in the Register Book, consequent upon this survey, and also any alteration required to be made in the records of the vessel's machinery, boilers, working pressures, &c.; thus, for example, B.S. 9,11, B.&M.S. 9,11, ✠ L.M.C. 9,11, or ✠LMC 140 lb., F.D., &c.) CS 3,34,

of this vessel are in good condition and eligible in my opinion to remain as classed with fresh record of + LMC 4.38.

Is a Certificate required? If so, to be sent to

Survey Fee (per Section 29) ¥ 260.00 Fees applied for 6-4-1938

Special Damage or Repair Fee (if any) (per Section 29.) £ : :

Travelling expenses (if chargeable) ¥ 1.00 Received by me 7-4-1938

Committee's Minute FRI. 27 MAY 1938

Assigned + LMC 4.38

CERTIFICATE WRITTEN.

Engineer Surveyor to Lloyd's Register of Shipping.

Rpt. 9a.

Port of YOKOHAMA Continuation of Report No. 6381 dated 12-4-38 on the

"TAIAN MARU".

Some amount of deformation found on Port & starboard main boiler furnaces. Port boiler furnaces $1\frac{3}{8}$" or $1\frac{11}{16}$". Center boiler furnaces 1". Starboard boiler furnaces $1\frac{3}{16}$". It was stated by the Owners that these furnaces will be packed up at the owner's convenience.

Note:- A sketch of the present main boilers was taken by the owners, which will be sent together with this report for your reference. The Owners changed. Ship's name and Port of Registry changed as under-lined.

YK.

0310 2/2

E. B. examined

It is submitted that
this vessel is eligible for
THE RECORD HWC 4-36

GDR
19/7/36