

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

(Received at London Office

APR 25 1941

Date of writing Report 17/2/41. When handed in at Local Office 22nd Feb. 1941 Port of Kobe.

No. in Book Survey held at Innoshima. Date, First Survey 18/1/41. Last Survey 14/2/1941.

123 on the Machinery of the ~~Head~~ Steel S/S "ADEN MARU". (No. of Visits Four.)

Age { Gross 5824 Vessel built at Kobe. By whom Kawasaki Dockyard Co. Ltd. When 1919 7mo.
Net 4195

Engines made at Kobe. By whom Kawasaki Dockyard Co. Ltd. When 1919.

Boilers, when made (Main) 1919. ~~XXXXXX~~ (AUXY) 1919.

Owners Ono Shoji Gomei Kaisha. Owners' Address (if not already recorded in Appendix to Register Book.)

Managers XXXXXX Port Kobe. Voyage

If Surveyed Afloat or in Dry Dock Both Particulars of Classification (which must be inserted precisely as in Register Book & Supplements).

Innoshima Dock.

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. Machinery and Boiler Surveys (including date of N.B. if any)

*100A1 4,39 *LMC 4,39
Awning dk BS 6,40
with freeboard. TS(OG) 2,38

Fitted for oil fuel 5,23
F.P. above 150°F.

ss Kob. No. 3-3, 32. ss Yka. No. 1-37.

Subject to the ~~Banker~~ oil fuel installation not being used.

Latest date of internal examination of each boiler January, 1941. 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? 200 lbs.

Did the Surveyor examine the Safety Valves of ~~Dummy~~ AUXY Boiler? Yes. To what pressure were they afterwards adjusted under steam? 200 lbs.

Did the Surveyor examine all the manholes, doors and their fastenings of the Main Boilers? Yes. and of the ~~Dummy~~ AUXY Boilers? Yes.

Did the Surveyor examine the drain plugs of the Main Boilers? -- and of the ~~Dummy~~ AUXY Boilers? --

Did the Surveyor examine all the mountings of the Main Boilers? Yes. and of the ~~Dummy~~ AUXY Boilers? Yes.

Has the screw shaft now been drawn and examined? Yes. Is it fitted with continuous liner? No Is an approved appliance fitted at the after end of the shaft to permit of it being efficiently lubricated? Yes.

Has the shaft now been changed? No 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? --

Date of examination of Screw Shaft Jan. 1941. State the distance between ~~XXXXXX~~ bearing metal of stern bush and top of after bearing of screw shaft 5 m/m.

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

Did the Surveyor examine the generators, motors, switchgear, cables and fuses? Yes.

Has the insulation resistance of the generators, circuits and apparatus been tested and found to be not less than 100,000 ohms.? Yes.

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

W DONE:- Vessel placed in dry dock, propeller, stern bush with oil packing gland at aft end of

oil shaft, sea cocks and valves with their shell fastenings examined and found or now placed in

good condition.

Tail shaft, without liner, examined and found in good condition.

All cylinders, pistons, valves and rods, crank, thrust and intermediate shafting,

condenser, pumps, piping and pumping arrangements examined and found or now placed in good condition.

The steam pipes were tested by hydraulic pressure to twice the W.P., and the copper steam

and feed pipes were annealed before testing.

Electric Installation megger tested, switchboard and fuses examined and found or now

placed in good condition, installation afterwards tested under working conditions with satisfactory

results. (P. 20)

General Observations, Opinion, and Recommendation:— The machinery and boilers of this vessel

(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.S.M.S. 9, 11, L.M.C. 9, 11, or

in good condition and eligible, in my opinion, to be continued as classed with fresh record of

L.M.C. 2, 41 and tail shaft (OG) seen 1, 41, subject to stern bush specially examined at next

oil Shaft Survey and oil fuel installation not being used until it has been surveyed.

Survey Fee (per Section 29) Yen 265:00 Fees applied for 17/2/1941

Electrical Survey Yen 60:00 Received by me, 19

Travelling expenses (if chargeable) (See Hull Report)

Committee's Minute FRI. 16 MAY 1941

Assigned tdmlc. 2.11.1 Subject

CERTIFICATE WRITTEN

U. A. and Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register

Foundation

007078 007087 0234 1/2

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

Subject to the ~~Banker~~ oil fuel installation not being used.

The 2 Main and 1 Auxiliary Boilers were examined over all parts with doors, mountings and safety valves and found or now placed in good condition. Safety valves adjusted under steam as stated above.

NOTE:- Oil fuel burning installation has not been used for past few years and will never be used in near future.

S.R.L.:- Stern tube in way of stern bush specially examined and found efficient. The condition of internal longitudinal cracks seems not altered since February, 1936, but it is recommended that the same be specially examined at next Tail Shaft Survey.

REPAIRS DUE TO WEAR AND TEAR:-

H.P. slide valve lower packing ring - renewed.

M.P. & L.P. crank upper brasses - remetalled.

H.P. & M.P. ahead guide shoes - remetalled.

2 thrust discs - remetalled.

Both Weir's pump piston and bucket rings - renewed.

Ballast pump bucket rings - renewed.

26 condenser tubes - renewed.

22 smoke tubes in boilers - renewed.

Electric cable: about 300 meters of armoured wire - renewed.

Other minor repairs and adjustments carried out. *H.A.*



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LS no 2000. 3.40 Now held on machine
Steam tube examined found efficient for the present
Minor wear & tear repairs effected

It is submitted that
this vessel is eligible for
THE RECORD. 14.5.41
S. 1.41

Subject to the oil fuel installation
~~being used~~
not being used and to the Steer
trough being specially examined
at next T.S. Survey.

Kur
14.5.41

