

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

(Received at London Office)

-4 SEP 1941

Date of writing Report 20th June, 1941. When handed in at Local Office 20th June, 1941. Port of YOKOHAMA

No. in Reg. Book. 9264 Survey held at YOKOHAMA. Date, First Survey 31st May, Last Survey 10th June, 1941. (No. of Visits Four)

on the Machinery of the ~~Wood, Iron or Steel~~ Sc.M.S. "AKAGI MARU"

Gross 7390 Vessel built at Nagasaki By whom Mitsubishi Jukogyo K.K. When 1936-9
 Net 4328
 Engines made at Nagasaki By whom Mitsubishi Jukogyo K. When 1936
 Nominal 2248 Boilers, when made (Main) (Donkey) 1936
 Horse Power
 No. of Main Boilers X Owners Nippon Yusen K.K. Owners' Address X
 No. of Donkey Boilers 1 Managers X Port Tokyo Voyage X
 Steam Pressure X Main Boilers X If Surveyed Afloat or in Dry Dock Both
 Donkey Boilers 100 lbs. (State name of Dock.) M.J.K. Yokohama Dock.

st Report No. Port

Particulars of Examination and Repairs (if any) CS & DBS

Medical Surveys, when held, must be reported in detail and serially in the terms of the Rules. State clearly the use 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 details 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.

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 X

is a damage report made by anyone else? If so, by whom? X

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

" " Donkey " " " Yes.

this was not done, state for what reasons? X

What parts of the Boilers could not be thus thoroughly examined? X

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? X

the latest date of internal examination of each boiler 4-6-41 Present condition of funnel Good.

the Surveyor examine the Safety Valves of the Main Boiler? X To what pressure were they afterwards adjusted under steam? X

the Surveyor examine the Safety Valves of Donkey Boiler? Yes To what pressure were they afterwards adjusted under steam? 100 lbs.

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

the Surveyor examine the drain plugs of the Main Boilers? X , and of the Donkey Boilers? X

the Surveyor examine all the mountings of the Main Boilers? X , and of the Donkey Boilers? Yes

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

shaft now been changed? X If so, state reasons X

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

date of examination of Screw Shaft 1-38 State the distance between lignum vitae or bearing metal of stern bush and top of after bearing of screw shaft 4.5 mm

Engine parts, when referred to by numbers, should be counted from forward.

did the Surveyor examine the generators, motors, switchgear, cables and fuses? X

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

the Survey is not complete, state what arrangements have been made for its completion and what remains to be done It is stated by the Owners

that this CS case will be advanced at every opportunity.

Parts now examined:-

Main engine. Nos.1 & 8 cylinders, pistons, covers, valves and gears, connecting rods, top ends crosses, guides, and brasses, Crank pins and brasses.
 Nos.2 & 7 crank shaft journals and bearings.
 Nos.2 & 13 intermediate shaft bearings.

Scavenging pumps. Nos.1 & 3 cylinders, and pistons, valves, rods throughout.

Continued.

General Observations, Opinion, and Recommendation:— The machinery and boiler 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. 2,11, B.M.S. 2,11, L.M.C. 2,11, or L.M.C. 140 lb., F.D., &c.)
 are in good condition and eligible in my opinion to be continued as classed with fresh record of B.S. 6-41, and L.M.C. - C S with date when the survey has been completed.

Survey Fee (per Section 22) £ 90.00:

Special Damage or Repair Fee (if any) (per Section 22.) £ X :

Travelling expenses (if chargeable) £ 2.00:

Fees applied for 13-6-1941

Received by me, 19

Committee's Minute

TUE. 23 SEP 1941

Assigned

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

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Sc.M.S. "AKAGI MARU".CS parts now examined:- (continued)Forward inboard (No.2) main generating engine:-

Nos.1, 2, 3 & 4 cylinders, pistons, covers, valves and gears,
gudgeon pins, rods, crank pins and brasses,
Nos.1, 2, 3, 4 & 5 main bearings.

Auxiliaries:-

No.2 sea water circulating pump. No.2 piston and jacket cooling pump.
No.2 lubricating oil pump. Bilge pump. Piston cooling water cooler.

Now done:- Vessel placed in dry dock, propeller, aft end of sterb bush, sea
cocks and valves with their shell fastenings, examined and found or now
placed in good condition.

The Donkey Boiler was 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:- It was stated by the Owners that the Tail Shaft has been drawn in and
examined at Kobe, in January, 1941, and the S.R.L. in regard to No.7 piston
has been delated at the same time.

Interim Certificate issued - copy attached.



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0074 2/2

22. No. 1 dub

At advanced

ABS due 8.41 Held

It is submitted that
this vessel is eligible for
THE RECORD. ABS 6.41

Thus

22.9.41

It is submitted that
this vessel is eligible for fresh
RECORD of Survey
6.41 for the oil engines.



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