

REPORT ON MACHINERY.

No. 2556
WED. 25 FEB. 1920

Received at London Office

of writing Report 20th Dec 19 19 When handed in at Local Office

19 Port of Yokohama

in Survey held at Tokyo & Tsurumi

Date, First Survey 1st Feby

Last Survey 14th Novr, 19 19.

Book.

(Number of Visits 47)

on the S. S. "Eastern Merchant"

Tons } Gross 8193

Net 4988

Built at Tsurumi

By whom built Asano Shipbuilding Co. Ltd.
(Yard No. 17).

When built 1919

made at Osaka

By whom made

Kubota Iron Works

when made

1919

made at Tokyo

By whom made

Ishikawajima Shipbuilding & E Co Ltd

when made

1919

Horse Power

Owners United States S.B.E.F.Cpn.

Port belonging to

United States

Horse Power as per Section 28 703

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

Yes

VALVES, &c.—Description of Engines

No. of Cylinders

No. of Cranks

No. of Cylinders

Length of Stroke

Revs. per minute

Dia. of Screw shaft

as per rule

as fitted

Material of

screw shaft

The screw shaft fitted with a continuous liner the whole length of the stern tube

Is the after end of the liner made water tight

the propeller boss

If the liner is in more than one length are the joints burned

If the liner does not fit tightly at the part

between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive

If two

are fitted, is the shaft lapped or protected between the liners

Length of stern bush

No. of Tunnel shaft

as per rule

Dia. of Crank shaft journals

as per rule

Dia. of Crank pin

Size of Crank webs

Dia. of thrust shaft under

Diam. of screw

Pitch of Screw

No. of Blades

State whether moveable

Total surface

No. of Feed pumps

Diameter of ditto

Stroke

Can one be overhauled while the other is at work

No. of Bilge pumps

Diameter of ditto

Stroke

Can one be overhauled while the other is at work

No. of Donkey Engines

2 Woodeson

G.D.

SIZES OF PUMPS

Duplex 10x6x11"

No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room

3-3 1/2

1 B.D.

1 Bilge

9x12x10

In Holds, &c. No. 1, 2-3 1/2", No. 2, 2-3 1/2", No. 3, 2-3 1/2",

No. of Bilge Injections

2

sized 7 3/4

Connected to condenser, or to circulating pump

Yes

Is a separate Donkey Suction fitted in Engine room & size

Yes 3 1/2

No. of Bilge Suctions

2

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IS A DONKEY BOILER FITTED? No

If so, is a report now forwarded? xxx

SPARE GEAR. State the articles supplied:— One crank shaft, one propeller shaft, one propeller bl two connecting rod top - end bolts and nuts, two connecting rod bottom - end bolts and nut two main bearing bolts, one set of coupling bolts, one set of feed and bilge pump valves, of piston springs, a quantity of assorted bolts and nuts, iron of various sizes.

The foregoing is a correct description,

THE ISHIKAWAJIMA SHIP BUILDING
AND ENGINEERING Co. Ltd, TOKYO

K. Kurita

Manufacturer.

Dates of Survey while building { During progress of work in shops -- Feb 1, 2, 21, Mar 3, 10, 17, Apr 14, 16, 22, 28, 30, May 2, 13, 17, 23, 27, 30, June 4, 20, 23, 27, July 5, 8, 11, 14, 21, 28, Aug 7.
During erection on board vessel -- Sept 18, 22, 29, 30, Oct 3, 14, 18, 20, 22, 27, 30, Nov 3, 8, 12, 14.
Total No. of visits 47.

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders Slides Covers Pistons Rods
Connecting rods Crank shaft Thrust shaft Tunnel shafts Screw shaft Propeller
Stern tube Steam pipes tested 27-10-19 Engine and boiler seatings 14-10-19 Engines holding down bolts 2
Completion of pumping arrangements 8-11-19 Boilers fixed 22-10-19 Engines tried under steam 12-11
Completion of fitting sea connections 3-10-19 Stern tube 30-9-19 Screw shaft and propeller 3-10-
Main boiler safety valves adjusted 3-11-19 Thickness of adjusting washers Lock nuts
Material of Crank shaft Identification Mark on Do. Material of Thrust shaft Identification Mark on Do
Material of Tunnel shafts Identification Marks on Do. Material of Screw shafts Identification Marks on Do
Material of Steam Pipes S ✓ Test pressure 600 lbs

Is an installation fitted for burning oil fuel No Is the flash point of the oil to be used over 150°F. xx

Have the requirements of Section 49 of the Rules been complied with No

Is this machinery duplicate of a previous case If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. The machinery of this vessel has built under special survey in accordance with the approved plans and the Society's Rules, the materials and workmanship are good, the machinery has been satisfactorily tried under and is in my opinion eligible for the record LMC 12-19 and fitted for burning with date F.P. above 150° Fahr subject to the installation being completed under survey.

Duplicate vessels " Hakushika Maru " Report No. 2307,
" War Helmet " " " 2320,
" War Armour " " " 2328,
" War Lance " " " 2338.
" Aden " " " 2354,
" Capitaine Faure " " " 2363,
" Kaikyu Maru " " " 2484.

It is submitted that
this vessel is eligible for

THE RECORD T.L.M.C. 11.19. F.D. 27/2/26

The amount of Entry Fee ... £ 30.0 :
Special ... £ 560.0 :
Donkey Boiler Fee ... £ :
Travelling Expenses (if any) £ 45.0 :
When applied for, 20-11-1919
When received, 22-11-1919

H. Boylan.

Engineer Surveyor to Lloyd's Register of

Committee's Minute TUE MAR 2-1920

Assigned + L.M.C. 11.19 F.D.

CERTIFICATE WRITTEN.



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Foundation