

C O P Y

Lloyd's Register of Shipping.

Port Kobe.

23rd June, 1941.

This is to Certify that

M. Kamakura & K. Taketaya.

the undersigned Surveyor to this Society did at the request of Messrs. Osaka Syosen Kaiya, Ltd., survey, without prejudice, the S/S "HAVANA MARU",

5652 tons gross, of Osaka,

on the 17th May, 1941 and subsequently, whilst the vessel lay afloat and in dry dock at Fujinagata Shipyard, Osaka, for the purpose of ascertaining the nature and extent of damage stated to have been caused by collision with the S.S. "HEIAN MARU", 5347 tons gross, of Yokohama in the vicinity of the entrance to Fujinagata Shipyard, Osaka and afterwards grounded at the river side, on the 17th May, 1941 whilst the vessel was shifting from Osaka Harbour to Fujinagata Shipyard.

It is stated by the Owners that at the time of damage the vessel was flooded with 3.2 metres of water in the machinery space and salvage boats came at that time and discharged the water from 1.30 p.m. to 3.10 p.m. on the 17th May, 1941. and crews and salvage men plugged up the leaking plating and several cement boxes were fitted, where necessary, to make the damaged plating water tight.

The vessel was placed in dry dock at Messrs. Fujinagata

(continued). K.T.

This Certificate is issued upon the terms of the Rules and Regulations of the Society, which provide that:—
While the Committees of the Society use their best endeavours to ensure that the functions of the Society are fully executed, it is to be understood that neither the Society nor any Member of any of its Committees is under any instances whatever to be held responsible for any inaccuracy in any report or certificate issued by the Society or its Surveyors, or in any entry in the Register Book or other publication of the Society, or for any error of judgment, default or negligence of any of its Committees or any Member thereof, or the Surveyors, or other Officers or Agents of the Society."

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"HAYASHI MARU".

Kobe, 23rd June, 1941.

ard, Osaka, from the 27th May, to the 4th June, 1941 for the purpose
amination and repairs of damage.

Upon examination it was found that the colliding damage is
ned to the starboard side in way of the Boiler Room.

It is stated that 4 holes were cut in the shell plating (S.B-
11) for the access of salvage purposes.

For further particulars see Log Books.

The undersigned upon examination.

REMARKS

RECOMMENDED

HULL DEPARTMENT

Plating:- (Shell plates numbered from Aft.)

plate in "E" strake, badly buckled.	To be faired in place.
plate in "F" strake, badly damaged and broken.	To be renewed.
plate in "G" strake, slightly damaged.	To be faired in place.
plate in "G" strake, buckled.	To be cropped & part renewed.
plate in "H" strake, badly damaged and broken, & 3 holes were cut for salvage purposes.	To be renewed.
plate in "J" strake, badly damaged and broken.	To be renewed.
plate in "K" strake, slightly damaged.	To be faired in place.
plate in "K" strake, badly damaged and broken.	To be renewed.
& 12 plates in "L" strake, damaged.	To be cropped & part renewed.
plate in "M" strake, badly damaged and broken.	To be renewed.

frames (P. Nos. 87, 88, 89, 90 & To be cropped & part renewed.
in way of the above, buckled.

frame (P. No. 92) in way of the To be cropped & part renewed &
buckled. part removed, faired & refitted
with suitable butt strap.

(continued) K.J.

/S "HAVANA MARU".

Kobe, 23rd June, 1941.

FOUNDRECOMMENDEDFrames:- (Cont.)

main frame (F. No. 93) in way, slightly buckled.	To be faired in place.
reverse frames (F. Nos. 89, 90 & 91), in way, badly buckled.	To be renewed.
reverse frames (F. Nos. 87 & 88), in way, buckled.	To be cropped and part renewed.
reverse frame (F. No. 92), in way, buckled.	To be cropped and part renewed.

Bridge Deck:-

deck stringer plate in way of the above, buckled.	To be cropped and part renewed.
deck plate in way, badly buckled.	To be renewed.
deck plate in way, slightly buckled.	To be faired in place.
deck stringer angle in way, set in.	To be cropped and part renewed.
beam connecting angle in way, set in.	To be cropped and part renewed.
house coaming plate in way, badly buckled.	To be renewed.
bridge deck half beam in way, badly buckled.	To be renewed.
bridge deck half beam in way, buckled.	To be removed, faired & refitted.
beam bracket in way, badly indented.	To be renewed.
beam brackets in way, indented.	To be removed, faired & refitted.
about 180 feet of wooden deck plank, boys and cooks rooms and boat deck, badly started.	To be renewed.

Star Deck:-

hatch coaming (coal hatch) in side of hull, badly distorted.	To be renewed.
deck stringer plate in way, badly buckled.	To be renewed.
deck stringer plate in way, slightly buckled.	To be faired in place.
deck plate in way, badly buckled.	To be renewed.

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"HAYANA MARU",

Kobe, 23rd June, 1941.

FOUNDRECOMMENDEDDeck:- (Cont.)

Stringer angle in way, buckled.	To be cropped and part renewed.
All angles in way, badly set in.	To be renewed.
Deck beams in way, set in.	To be cropped & part renewed.
Deck brackets in way, badly indented.	To be renewed.

Deck:-

Stringer plate in way, buckled.	To be cropped & part renewed.
Deck plate in way, slightly buckled.	To be faired in place.
Stringer angle in way, buckled.	To be cropped & part renewed.
All angles in way, badly set in.	To be renewed.
Deck beams in way, badly indented.	To be renewed.
Deck beam in way, indented.	To be cropped & part renewed.
Deck beam in way, slightly indented.	To be faired in place.
Deck brackets in way, badly indented.	To be renewed.
Deck casing plate in way, buckled.	To be cropped & part renewed.

Miscellaneous:-

Form of side ladder, badly broken.	To be renewed.
Rail stanchions in way, set in.	To be renewed, faired & refitted.
Upper pipe in way, distorted.	To be cropped & part renewed.
Lower pipe of No.3 D.B. Tank in way, distorted.	To be cropped & part renewed.
Pipes of Nos.3 & 4 D.B. Tanks in way, distorted.	To be cropped & part renewed.

It is further recommended that the following articles in way of above damage to be removed iro effecting the damage repairs and placed in good order:-

Hand rails on bridge deck.
 Panellings and room fittings in boys & cooks rooms.
 Boiler front bulkhead plate & their casings- partly (4 places).
 Pipes and pipe casings in Boiler Room.
 Bunker coal about 200 tons in starboard reserve and side bunkers, etc.



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"HAVANA MARU",

Kobe, 23rd June, 1941.

All new and disturbed work be executed as before and repaired
all plating to be hose tested on completion of the repairs.

MACHINERY DEPARTMENT

Upon opening up the Machinery:-

FOUND

RECOMMENDED

In Engine:-

Crank shaft journals and crank
pins, eccentric straps.

Journals and crank pins & eccentric
straps to be cleaned, polished, all
oil passages be cleaned out and all
bearings be adjusted.

Crust shaft & tunnel shafting.
Slightly pitted.

To be opened out, cleaned, polished,
and oil passages to be cleaned out
and refitted.

Boilers:-

Starboard and feed piping of
main boilers and auxiliary
steam pipes of starboard main
boiler, shocked.

To be examined and water tested.

Starboard main boiler forward
port on starboard shell plate,
slightly buckled.

To be water tested.

Boiler stay in way of the above.
Slightly bent.

To be renewed.

Boiler laggings (780 sq.ft.) and
covering plates (48 sq.ft.),
soiled by the sea water.

To be renewed as necessary.

Steam blow-off valve box joint.
Slightly leaking.

To be rejointed.

The following pumps & engine.

To be opened out, cleaned, overhauled
and replaced.

Immersed in sea water:-

- 1 fan engine.
- 2 waste feed pumps.
- 1 general service pump.
- 1 ballast pump.
- 1 centrifugal pump engine.

Electric Installation.

Main switchboard in Engine Room
immersed in sea water.

Switchboard plate to be renewed.
Volt and ammeters to be renewed.
Damaged insulating materials to be
renewed, circuit breaker and switches
to be repaired & connections be renewed.

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"HAVANA MARU".

Kobe, 23rd June, 1941.

FOUND

15 K.W. dynamo engine, submerged in water.

of the above dynamo engine to main switchboard, submerged in water.

RECOMMENDED

To be cleaned, overhauled, armature and field coils to be re-wound, commutator and brush gears to be overhauled, and on completion of repairs to be tested, and starter, controller, regulator and switches to be cleaned, repaired or re-wired.

Damaged wiring to be renewed.

It is further recommended that the machinery to be tested under working condition on completion of damage repairs, and electrical insulation to be megger tested.

The foregoing recommendations, made in order to place the vessel in good condition as before the damage was sustained, have now been accepted to our satisfaction.

Mr. Lamakura. &

K. Sakurada

SURVYORS TO LLOYD'S REGISTER.

EXCHANGED BY THE ASSOCIATE.



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AM/S "HAVANA HARBOR",

Kobe, 23rd June, 1941.

LIST OF ARTICLES stated to have been damaged or lost during salvage operations and have now been repaired or supplied.

HULL DEPARTMENT

No. 11 plate in "H" strake, one hole (1 foot dia.) cut out for salvage purpose - now permanently closed by suitable doubling.

Quilt-----	2.
Bracket-----	51.
Tarpaulin-----	2. (23'-6") x 23'-0").
Rope, Manila,-----	75 fathoms. (dia. 2").
English spanner-----	1.
Hand hammer,-----	1.
Petroleum,-----	1 gallon (English).
Candle,-----	4 lbs.
Waste rags-----	12 kan.
Cargo mat,-----	200 pieces.
Perch lamp cell,-----	4 dozens.
Cargo batten,-----	100 pieces (2"x2"x6'-0").
Counter pane,-----	5.
Mattress,-----	2.

MACHINERY DEPARTMENT.

Lubricating oil,-----	250 litres.
Turbine oil,-----	72 "
Petroleum,-----	36 "
Washing kerosene,-----	72 "
Lamp oil,-----	18 "
Paint oil,-----	18 "
White zinc paint,-----	2 tins.
Spiral vulgus packing,---	19 boxes.
Crinket sheet,-----	1 sheet.
Grease,-----	1 tin.
Asbestos sheet,-----	6 sheets.
Asbestos cord,-----	10 lbs.
Waste rags,-----	23 kan.
Berlin wool,-----	300 monne.
Lamp wick,-----	12 balls.
Electric bulb,-----	8 pieces. (3x100V x 200W & 3x100V x 200W).
Electric cord,-----	300 feet.
Carbon brush,-----	12 pieces.
Dry cell,-----	12 "
Insulation tape,-----	7 coils.
Boiler Kyokko cleanser,--	7 tins.
Soda,-----	20 lbs.
Caustic soda,-----	3 tins.
Line,-----	2 bags.
Rud,-----	6 "
Asbestos powder,-----	9 "
Cement,-----	3 "
Salinometer,-----	2 pieces.
Thermometer,-----	4 " (General x 2 & 300°C. x 2).
Candle,-----	17 lbs.
Matches,-----	6 bags.
Chalk,-----	2 boxes.
Sea weed paste,-----	300 monne.
Powder soap,-----	2 boxes.

(continued). K.T.

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HAVANA MARU"

Kobe, 23rd June, 1941.

MACHINERY DEPARTMENT. (Cont.)

Polishing powder,-----	5 boxes.
Sand paper,-----	60 sheets.
Carborandum,-----	2 tins.
Black lead,-----	7 pieces.
Torch lamp cell,-----	5 dozens.
Torch lamp bulb,-----	3 "
Electric lamp socket,-----	14 pieces.
Electric lamp switch,-----	9 "
Steam flexible pipe,-----	25 feet (2" bore).
Rubber sheet,-----	10 lbs. (1/16" thickness).
Marline,-----	4 balls.
Boiler feed water in No.4 double bottom tank, about 120 tons contamination by sea water.	

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M. Lamakma. x

K. Dakodaya

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