

REPORT OF SURVEY ON REFRIGERATING MACHINERY & APPLIANCES.

No. 6982.

Date of writing Report 4th Oct. 1940.

When handed in at Local Office 4th Oct. 1940.

(Received at London Office)

DEC -3 1940

No. in
Reg. Book. 25536

Survey held at

YOKOHAMA

Date: First Survey 2nd Sept. Last Survey 14th Sept 1940.

on the Refrigerating Machinery and Appliances of the

T.S.S. "HAKUSAN MARU"

(No. of Visits) Three

Tons { Gross 10380
Net 6271

Vessel built at Nagasaki

By whom Mitsubishi Zosen K.K.

When 1923-9

Last Survey No. 4646

Port

Shi

Port Tokyo

Voyage

x

PARTICULARS AS ENTERED IN REGISTER BOOK.

REFRIGERATING MACHINES.

No. of Units.	No. of Compressors.	System.	Makers.	Date of Construction.	System of (1) Refrigerating (2) Insulating the Chambers.	POWER.		INSULATED CARGO CHAMBERS.		Notation and Date of Last Complete Periodical Survey.
						Cubic feet of air delivered per hour.	Ice melting capacity per 24 hours.	No.	Capacity.	
2	2	Carb Anhy	J & E Hall, Id.	1923	Brine Slab Cork	x	Tons. 12	3	Cu. ft. 8,360	Lloyd's RMC 3-40

Particulars of Examination and Repairs for Complete Periodical Survey or Modified Survey.

Has the machinery been examined under working conditions Yes before or after the refrigerated cargo was discharged x

Density of brine 40 by T.W. hydrometer. **TEMPERATURES** of air at the snow box and of the return air x & x

or, delivery and return air at direct expansion or brine cooled batteries x & x, outflow and return brine -3°F & 1°F

atmosphere 80°F, cooling water inlet and discharge 74°F & 76°F, gas in condensers and evaporators 88°F & -13°F

AVERAGE TEMPERATURE in each refrigerated chamber, as per log, before discharging commenced

Provision chamber frosted 9°F

Port (No. 2) May, 1939.

Condenser Coils, date of last test Starb. (No. 1) Sept. 39 If machinery is electrically driven, date of last examination of a generator x

Have all the working parts of the refrigerating machines and of the auxiliary machinery been examined Yes Is the spare gear in accordance with the Rules Yes

Have the gas condenser and evaporator ~~coils~~ or only the coil terminals, been examined Yes Have the direct expansion or brine cooled battery coils been examined x

Have the refrigerating liquid pipes, separators and receivers, and the gas return pipes been examined externally as far as practicable Yes

Has the insulation been examined throughout the cargo chambers Yes Where ~~condensers, evaporators, etc.~~

granulated cork or similar media are employed for insulating purposes, has such insulation been examined for fullness and dryness Yes Have the test holes been efficiently closed Yes

Have all bilge hatches and manhole plugs been removed, the bilges cleared, and the suction pipes, suction roses, sounding pipes and manhole door fastenings been examined x

Have the hatches, ~~etc.~~ and thermometer tubes with their connections and fastenings been examined Yes Have the watertight doors been examined and worked x

Have the brine pipes ~~and direct expansion pipes~~ been examined Yes, under what conditions unfrosted Have the sea injection valves been opened and examined 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:- Port (No. 2) refrigerating machinery and appliances throughout examined and found in order.

Starboard (No. 1) machine compressor cylinder, cover and valves examined and found in order.

The insulation, brine piping, cargo battens, thermometer tubes, and connections examined and found in order.

The refrigerating machines and auxiliaries examined under working conditions and found to be satisfactory.

General observations, opinion, and recommendation

NOTE:-A new Date of Survey should only be recommended in the case of a Complete Periodical Survey.)

The Refrigerating machinery and Appliances of this vessel are in good condition and eligible in my opinion to remain as classed with fresh record of Lloyd's RMC 9-40.

Fee £60.00

Fee applied for, 16th September, 1940.

Travelling Expenses £ 4.00

Received by me, 27th September, 1940.

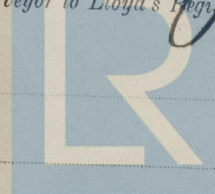
Committee's Minute

FRI. 6 DEC 1940

Assigned

+ Lloyd's Rmb. 9.40

W. R. Ingham
Surveyor to Lloyd's Register of Shipping.



Lloyd's Register
Foundation

009021-009029-0093

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

to Lloyd's Rule 9.40

Part Survey.

GA
4/2/40.

