

REPORT OF SURVEY ON REFRIGERATING MACHINERY & APPLIANCES.

(Received at London Office

12 OCT 1939

Date of writing Report 4/9/1939. When handed in at Local Office 4/9/1939. Port of YOKOHAMA

No. in Reg. Book. 75518 Survey held at YOKOHAMA Date: First Survey 12th Aug. Last Survey 25th Aug. 1939. (No. of Visits) Two

on the Refrigerating Machinery and Appliances of the T.S. "HAKOZAKI MARU"

Tons { Gross 10413 Vessel built at Nagasaki By whom Mitsubishi Zosen K.K. When 1922 - 6
 Net 6310 Owners Nippon Yusen K.K. Port Tokyo Voyage

Last Survey No. 4485 Port Shi

PARTICULARS AS ENTERED IN REGISTER BOOK.

REFRIGERATING MACHINES.					System of (1) Refrigerating (2) Insulating the Chambers.	POWER.		INSULATED CARGO CHAMBERS.		Notation and Date of Last Complete Periodical Survey.
No. of Units.	No. of Compressors.	System.	Makers.	Date of Construction.		Cubic feet of air delivered per hour.	Ice melting capacity per 24 hours. Tons.	No.	Capacity. Cubic ft.	
2	2	Carb Amhy	J & E. Hall	Id. 1922	Brine Slab Cork	x	12	3	8,240	Lloyd's RMC 4-39

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 45° by Twd. 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 -12°F & -8°F

atmosphere 75°F, cooling water inlet and discharge 62°F & 66°F, gas in condensers and evaporators 77°F & -22°F

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

Provision chamber 10°F

Port 4-39

Starb 11-38

Condenser Coils, date of last test Starb 11-38 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 X

Has the insulation been examined throughout the cargo chambers Yes Where charcoal, silicate cotton, 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, ~~at trunkways~~ and thermometer tubes with their connections and fastenings been examined Yes Have the watertight doors been examined and worked X

Have the brine pipes or direct expansion pipes been examined Yes, under what conditions Unfrosted Have the sea injection valves been opened and examined X

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

Now done:- Starboard refrigerating machinery and its auxiliaries examined throughout and found in order.

Port machine compressor cylinder, cover and valves examined and found in order.

The insulation, brine piping and thermometer tubes with fitting throughout cargo spaces examined and found or now placed in good condition.

Afterwards the refrigerating machinery and appliances examined under working condition and found in order.

Repairs due to wear:- Port chamber insulation on ceiling and part of side renewed.

General observations, opinion, and recommendation The Refrigerating machinery and the insulation

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

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 8-39.

Fee £ 60.00 : { Fee applied for, 26th Aug. 1939.Travelling Expenses £ 2.00 : { Received by me, 2nd Sept. 1939.

Committee's Minute FRI. 20 OCT 1939

Assigned + Lloyd's Rmb. 8.39

Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

009116-009121-0116

NOTE:-The words which do not apply should be deleted.

Certificate to be sent to

It is submitted that
this vessel is eligible for
THE RECORD. *+ Lloyd's Aug 8/39*

Port Survey.

GA

19/10/39

*Delack back
Repb*



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Foundation