

REPORT OF SURVEY ON REFRIGERATING MACHINERY & APPLIANCES.

(Received at London Office)

APR 5 1939

Date of writing Report

19

When handed in at Local Office

3: 4: 1939

Port of Glasgow

No. in
Reg. Book.

82111

Survey held at

Glasgow

Date: First Survey

23rd Mar 39

Last Survey

1st April 1939

on the Refrigerating Machinery and Appliances of the

Twin Sc S.S. "Raranga"

(No. of Visits)

3

Tons

Gross 7956
Net 5010

Vessel built at

Newcastle

By whom

Armstrong Whitworth & Co Ltd

When

1916-12M

Owners

Norfolk & N. American S.S. Co. Ltd

Port

Southampton

Voyage

Australia

Last Survey No.

68166

Port

Glo

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	C.O ₂	Haslam Foundry & Eng. Co. Ltd	1916	Brine Sil. Cotton & Cork	✓	126	10	388055	+Lloyd's RMC 4-38

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

Has the machinery been examined under working conditions No. before or after the refrigerated cargo was discharged

Density of brine by hydrometer. TEMPERATURES of the return air &

or, delivery and return air at direct expansion or brine cooled batteries & , outflow and return brine &

atmosphere , cooling water inlet and discharge & , gas in condensers and evaporators &

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

Condenser Coils, date of last test Oct 1935 If machinery is electrically driven, date of last examination of a generator Steam driven

Have all the working parts of the refrigerating machines and of the auxiliary machinery been examined Yes (as under) 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 Yes

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 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 Yes

Have the hatches, air trunkways and thermometer tubes with their connections and fastenings been examined Yes Have the watertight doors been examined and worked ✓

Have the brine pipes or 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

H.P. and L.P. Cylinders, pistons, valves and faces, crank shaft, main bearing and crank pin bushes, two compressors, rods, and valves examined also centre brine pump, circulating pump, Forward and after brine rooms, brine batteries, fans, electrical installation spare gear, all examined and found or put in good working condition.

Insulation and brine pipes examined throughout and found good.

Bilges, Bilge suctions, plugs, and thermometer tubes examined and found good.

Please see Glasgow R.H.C. report No. 60298. October 1938.

NOTE Please see London letter 2nd Oct. 1938. The H.P. condenser coil has been blanked off, leaving 12 sound coils, and found sound and efficient

General observations, opinion, and recommendation

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

of this vessel so far as now seen is in a safe working condition and eligible in my opinion to remain as classed and to have fresh record of + LLOYD'S R.H.C 4-39.

Fee Comp. R.H.C. £ 15: 0: 0

Fee applied for, 4- APR 1939

19

Travelling Expenses £

Received by me,

15. 4. 39

19

Committee's Minute

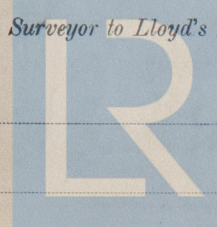
GLASGOW 4- APR 1939

Assigned

-1- Lloyd's RMC 4.39

G. E. Murdoch

Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

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

Certificate to be sent to

Noted

Submitted the invoice & be
asked what steps were
taken to ascertain that
the 12 coils were sound
& whether the owners
propose to renew
the defective coil
which has been
shut off.

diff. - 22 1/4

20/4/29



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