

REPORT OF SURVEY ON REFRIGERATING MACHINERY & APPLIANCES.

(Received at London Office 7 AUG 1946)

Date of writing Report 16th July, 1946. When handed in at Local Office 16th July, 1946. Port of PHILADELPHIA, PA.

No. in Reg. Book. 35576 Survey held at Philadelphia, Pa. Date: First Survey 25th June, Last Survey 26th June, 1946. (No. of Visits 2)

on the Refrigerating Machinery and Appliances of the S.S.S. "VILLE d'ANVERS"

Tons (Gross 7783 Net 4178) Vessel built at Hog Island, Pa. By whom American International S.B. Corp. When 1920 - 4 Owners Isbrandtsen Co., Inc., N.Y. Port Puerto Cortez Voyage Antwerp

Last Survey No. First Port Report

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.	
										Lloyd's
										RMC

RECLASSIFICATION CONTEMPLATED

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

Has the machinery been examined under working conditions before or after the refrigerated cargo was discharged
Density of brine by hydrometer. TEMPERATURES of air at the snow box and 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

Have all the working parts of the refrigerating machines and of the auxiliary machinery been examined Is the spare gear in accordance with the Rules
Have the gas condenser and evaporator coils, or only the coil terminals, been examined Have the direct expansion or brine cooled battery coils been examined
Have the refrigerating liquid pipes, separators and receivers, and the gas return pipes been examined externally as far as practicable
Has the insulation been examined throughout the cargo chambers No.5 & 6 only 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
Have the hatches, air trunkways and thermometer tubes with their connections and fastenings been examined Have the watertight doors been examined and worked
Have the brine pipes or direct expansion pipes been examined , under what conditions Have the sea injection valves been opened and examined

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

Cubic capacity of insulated chambers stated to be No.5 lower tween decks fwd. 6275
" " " aft 6108
" upper " fwd. 5522
" " " aft 5543
No.6 lower " 6326
" upper " 6270
Deep freezing chamber upper deck port 1600
" " " " midships 1285
Thawing room upper deck starboard 780
39709

General observations, opinion, and recommendation

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

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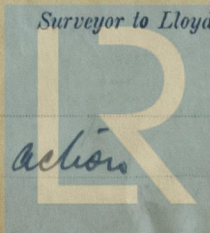
Fee \$ 25.00 : Fee applied for, 16th July, 1946.

Travelling Expenses \$ 2.00 : Received by me, 19

Committee's Minute

Assigned Transmit to London

W. H. Rankham M.A.S.S.
Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation (OVER)

002457-002464-0017

Original Installation

- 4 - 4 ton 2 cyl. ammonia compressors driven by steam engine 7" x 7".
- 2 4 ton brine coolers.
- 1 condenser in 3 independent sections 320 total lbs. per sq.in. cooling surface.
- All built by Brunswick.

- - - - -
Later installed by York Mfg. Co., date not known and built by Brunswick.

- 2 - 15 ton 4 cyl. ammonia compressors 8" x 8" driven by steam engine 10" x 8"
- 2 - 15 ton brine coolers or evaporators, 250 lbs. per sq. in. cooling surface each.
- 4 brine circulating pumps Beth.Weir Vert Simplex 5-1/2 x 6 x 15".
- 2 surge tanks 2' - 6" x 2' 6" x 5'-0".
- 2 mixing tanks 2' x 3'.
- 1 condenser in 3 independents section 320 lbs. per sq. in. total cooling surface.

The main chambers were drilled, and the insulation appears to be of slab form with an air space in way of ship's side, distance from outside covering board to ship's side being approximately 13".

No opportunity was afforded to examine any of the machinery, or to make a cooling test.

To complete the survey all refrigerating machinery and appliances require to be examined, and a cooling test carried out.

Records on board show a loading certificate N.Y. 3998 and a refrigerating machinery certificate N.Y. 3999 were issued by the American Bureau of Shipping Nov.17, 1945.

*noted
no action has taken
until a complete survey
has been held.*

*Redd
21/8/46*



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