

REPORT OF SURVEY ON REFRIGERATING MACHINERY & APPLIANCES.

(Received at London Office

FEB 15 1939

Date of writing Report 6.2.39 When handed in at Local Office 9 FEB 1939 Port of LIVERPOOL
 No. in Reg. Book. 23544 Survey held at Liverpool Date: First Survey Jan 6th Last Survey Feb 6th 1939
 the Refrigerating Machinery and Appliances of the TSS DOQUESA (No. of Visits 9)
 Gross 8651 Vessel built at W. Hartholpool By whom Furnis SB & CO When 1918-5
 Net 5400 Owners Furnen Houder Argentine Lines Ltd Port Liverpool Voyage Buenos Ayres
 Last Survey No. 68997 Port

PARTICULARS AS ENTERED IN REGISTER BOOK.

REFRIGERATING MACHINES.					POWER.		INSULATED CARGO CHAMBERS.		Notation and Date of Last Complete Periodical Survey.
No. of Units.	No. of Compressors.	System.	Makers.	Date of Construction.	(1) System of Refrigerating (2) Insulating the Chambers.	Cubic feet of air delivered per hour.	Ice melting capacity per 24 hours. Tons.	No. Capacity. Cubic ft.	
2	2	Carl Anbo	J. E. Hall Ltd	1918	Brine Coke & sil. Ctn	✓	156	46 464,838	+ Lloyd's RMC 10.38

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 before
 Density of brine 45 by Juddell hydrometer. TEMPERATURES of the return air ✓ & ✓
 or, delivery and return air at direct expansion or brine cooled batteries ✓ & ✓, outflow and return brine 9° & 19°
 atmosphere ✓, cooling water inlet and discharge 44° & 52°, gas in condensers and evaporators 59° & -1°

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

η:1 Shute Dh - Jucan Dh 29% Orlop Dh 29% L Hold 17%
 η:2 Bridge Dh 29% - 29% - 29% - 29% - F. 29% A. 17%
 η:3 - 29% - 28% - 29% - 29% - 17%
 η:4 - Tk 29% - 29% - 29% - 17% -
 η:5 - - 29% (Tk 17%) - 30. - 17% -
 η:6 - - 29. - 29% - -

Condenser Coils, date of last test Stated abt. 2 yrs ago If machinery is electrically driven, date of last examination of a generator ✓
 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 ✓
 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-~~tankways~~ 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 defrosted 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.

The refrigerating machinery examined under working conditions. The After machine complete opened out & examined with its compressors, cylinders, shaft etc also Nos 1 & 4 (Forward Starb. & after) brine pumps and the Forward Circ. pump.
 The steam condenser cleaned and tested. The insulation & piping in all cargo chambers examined, bilge hatches lifted & bilge suction examined. Sea valves examined.
 The brine piping examined under 1 1/2 times working pressure at the pumps: hatch grids tested separately.
 Repairs: Insulation on η: 4 & 5 hold tank tops removed for repair to tanks & afterwards renewed: minor repair to insulation & piping in η: 4 & 5 to sea deck.
 Repair to piping effected as necessary.

General observations, opinion, and recommendation

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

Appliances of this vessel are eligible in my opinion to remain as closed with fresh record of + Lloyd's RMC 2.39.
 At this survey the brine pipes have been satisfactorily tested to one and a half times the working pressure at the brine circulating pumps. Hatch grids tested separately.

Fee RMC £ 21: 0: 0 Fee applied for, 9 FEB 1939 19
 Travelling Expenses £ : : Received by me, 25.2.39 19
 Committee's Minute LIVERPOOL 14 FEB 1939
 Assigned + LLOYDS R.M.C. 2.39. EKR

C. Reed

Surveyor to Lloyd's Register of Shipping.

W383-0130

Lloyd's Register Foundation

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Letcher's