

REPORT OF SURVEY ON REFRIGERATING MACHINERY & APPLIANCES.

(Received at London Office 27 APR 1939)

Date of writing Report 26th April 1939 When handed in at Local Office 26th April 1939 Port of LondonNo. in Reg. Book. 73544 Survey held at London Date: First Survey 18th April Last Survey 24th April 1939
(No. of Visits Three)on the Refrigerating Machinery and Appliances of the Jos. A. DUQUESA
Tons { Gross 8651 Vessel built at W. Hartlepool By whom James A. B. & D. D. 6th Ltd When 1916-5
Net 5400 Owners Armstrong-Whitworth Argentine Lines Ltd Port Liverpool Voyage River Plate
Last Survey No. 16218 Port B. As.

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) Refrigerating (2) Insulating the Chambers.	Cubic feet of air delivered per hour.	Ice melting capacity per 24 hours. Tons.	No. Capacity. Cubic ft.	
<u>2</u>	<u>2</u>	<u>CO₂</u>	<u>J. & H. Hall Ltd</u>	<u>1918</u>	<u>Brine bake silicate cotton</u>	<u>✓</u>	<u>156</u>	<u>46</u> <u>464838</u>	<u>*Lloyd's RMC 2.39</u>

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 discharge of cargoDensity of brine 46 by hydrometer TEMPERATURES of the return air ✓ & ✓or, delivery and return air at direct expansion or brine cooled batteries ✓ & ✓, outflow and return brine 12°F & 17°F
atmosphere 52°F, cooling water inlet and discharge 55°F & 64°F, gas in condensers and evaporators 72°F & 6°FDo the log entries show that the plant was efficient during the last voyage with Refrigerated Cargo yes TRUNKS

	1	2	3	4	5	6	7	8	9	10
Bridge deck:-	<u>1</u>	<u>29½°F</u>	<u>29½°F</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>
Shell deck:-	<u>36°F</u>	<u>29½°F</u>	<u>28½°F</u>	<u>55°F</u>	<u>29½°F</u>	<u>34°F</u>	<u>36°F</u>	<u>29½°F</u>	<u>28½°F</u>	<u>55°F</u>
Lower deck:-	<u>36°F</u>	<u>29½°F</u>	<u>29°F</u>	<u>29½°F</u>	<u>29½°F</u>	<u>33°F</u>	<u>36°F</u>	<u>29½°F</u>	<u>17°F</u>	<u>✓</u>
Orlop deck:-	<u>36°F</u>	<u>29½°F</u>	<u>30°F</u>	<u>29½°F</u>	<u>17°F</u>	<u>✓</u>	<u>36°F</u>	<u>29½°F</u>	<u>17°F</u>	<u>✓</u>
Hold:-	<u>36°F</u>	<u>29°F</u>	<u>29½</u>	<u>17°F</u>	<u>16½°F</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>

Condenser Coils, date of last test _____ 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 yesHave the gas condenser and evaporator ~~coils~~ coil terminals, been examined yes Have the direct expansion or brine cooled battery coils been examined ✓Have the refrigerating liquid pipes, ~~expansion and receiver~~, and the gas return pipes been examined externally as far as practicable yesHave 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 yesHave 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 yesHave the hatches, ~~air trunking~~ 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 _____ 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 To complete the survey the after pumprefrigerating machine, No 1 and 4 brine pumps require to be examined with forward circulating, now done:- The main and auxiliary refrigerating machinery examined under working conditions and found satisfactoryExamined the forward refrigerating machine, No 2, 3 brine pumps, after circulating pump opened out and placed in good order.The insulation throughout examined, tested for fullness and dryness and placed in good condition. Brine piping examined and tested to 1½ times working pressure and placed in order. Limbers (lified) bilges and bilge suction, hatches, thermometer tubes examined and placed in order.Limber and cargo hatch plugs, thermometer casings repaired where necessary
A few porous brine pipes renewed at this timeGeneral observations, opinion, and recommendation The Refrigerating Machinery & Appliances

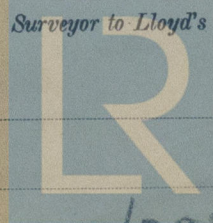
(NOTE:—A new Date of Survey should only be recommended in the case of a Complete Periodical Survey.)

are in good and efficient condition and eligible, in my opinion, to remain as classed with a fresh record of Lloyd's RMC 4-39At this survey the brine pipes have been thoroughly tested to one and a half times the working pressure at the brine circulating pumps.Fee £21 : 0 : 0 Fee applied for, 27 APR 1939 19Travelling Expenses £ : : Received by me, 18.5.39 19

Committee's Minute

Note Assigned 7 L Byds RMC 4. 39
CERTIFICATE WRITTEN

Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

W383-0125

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

Lloyds Mue 4.39

note part Survey

GA

27/4/39

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