

# OF SURVEY ON REFRIGERATING MACHINERY & APPLICANCES.

No. 5256

(Received at London Office 22 APR 1952)

20th March 19 52 When handed in at Local Office 20th March 19 52 Port of Rio de Janeiro

Survey held at Rio de Janeiro

Date: First Survey 21/2/52 Last Survey 19/3/52 19

(No. of Visits) Three

on the Refrigerating Machinery and Appliances of the Steamer "CABEDELON"

Tons Gross 3142 Vessel built at Montreal By whom Canadian Vickers, Ltd. When 1945, 7mo.  
Net 1812 Owners Lloyd Brasileiro (Patrimonio Nac.) Port Rio de Janeiro Voyage

Last Survey No. 6652 Port mtl

## 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	6	Dichloro- difluoro- methane.	York Ice Machinery Corp.	1945	Direct Expansion Granulated Cork		9.5	4	15,800	Lloyd's Rmt (Thin Black Line) 5,48

## Particulars of Examinations 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 after overhaul  
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 35C, cooling water inlet and discharge 70F & 72F, gas in condenser and evaporators before & after comp. -6C & 120C  
Do the log entries show that the plant was efficient during the last voyage with Refrigerated Cargo no cargo for past three years.

Condenser tubes date of last test now If machinery is electrically driven, date of last examination of a generator Both aft - now  
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 XXXXXXXXXXXXXXXXXXXX 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 XXXXXXXXXXXX  
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 Bulkhead doors XXXXXXXXXXXXXXXXXXXX and the suction pipes, suction roses, sounding pipes and manhole door fastenings been examined yes  
Have the XXXXXXXXXXXX thermometer tubes with their connections and fastenings been examined yes Have the watertight doors been examined and worked yes  
Have the brine pipes or direct expansion pipes been examined yes, under what conditions frosted 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

## Complete Survey (To be followed by Running Surveys)

SRMC The owners request that the Machinery parts examined in December 1950 be credited to this survey.  
Parts of the insulation removed at decks and bulkheads and structure behind found good.  
All thermometers checked Condensers tested to 300 lbs.

Complete Survey, All compressor cylinders and valves, rods and crank shafts examined, Spare gear checked, Gas and Liquid pipes, separators and receivers examined and Direct Expansion pipes examined under full working conditions. Insulation examined throughout the cargo chambers for fullness and dryness and test holes efficiently closed. The access bulkhead doors examined and thermometer tubes and fastenings. Scuppers examined. The Electrical system examined and resistance tested.  
The machinery examined under working conditions and the refrigerated chambers reduced to the following temperatures.

Repairs for Wear & Tear:- Both sea water circulating pumps overhauled and impellers and shafts renewed. Condensers cleaned out. Direct Expansion pipes washed out and dried. Bulkhead doors rejointed. Other minor repairs and adjustments carried out.

General observations, opinion, and recommendation The refrigerating machinery and appliances of

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

this vessel are eligible, in my opinion, to be classed SRMC I2,50 and Lloyd's RMC (RS) 3,52.

Fee ..... £ 1,800.00  
Second Surveyor 250.00  
Travelling Expenses . £ :

Fee applied for, 20/3/52 19  
Received by me, 19

FRI. 2 MAY 1952

Committee's Minute

Assigned W. J. R. B. to maintain temp 15° with Sea Temp 85° max  
SRMC 12,50

CERTIFICATES WRITTEN.  
(RMC & SRMC)

Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
Foundation

to be sent to