

Rpt. 17.

No. 721075

LUN. 1746

Report on Refrigerating Machinery and Appliances.

Received at London Office

17 SEP 1947

Date of writing Report 16.9.1947 When handed in at Local Office 16.9.47 Port of GLASGOW.

No. in Reg. Book. Survey held at GLASGOW. Date: First Survey 8.1.47 Last Survey 15.9.1947
27888 (Number of Visits 25)

on the Refrigerating Machinery and Appliances of the M.V. "LA HEVE" Tons { Gross 4027
Net 2224

Vessel built at GLASGOW. By whom built HARLAND & WOLFF. Yard No. 1345 G. When built 1947.

Owners LE MINISTRE DES TRAVAUX PUBLICS DU GOUVERNEMENT DE LA REPUBLIQUE FRANCAISE. Port belonging to NANTES. Voyage NORTH AFRICA TO FRANCE.

Refrigerating Machinery made by J. & F. HALL. LD. Machine Nos. When made 1946.

Insulation fitted by CORK INSULATION AND ASBESTOS CO. LD. When fitted WHILST BUILDING. System of Refrigeration AMMONIA.

Method of cooling Cargo Chambers BRINE & AIR. Insulating Material used SLAB & GRANULATED CORK.

Number of Cargo Chambers insulated 5. Total refrigerated cargo capacity 59.990 cubic feet

DESCRIPTION OF REFRIGERATING MACHINERY. Where placed

Refrigerating Units, No. of No. of machines. Is each machine independent.

Total refrigeration or ice-melting capacity in tons per 24 hours. Are all the units connected to all the refrigerated chambers.

Compressors, driven direct or through ^{single} } reduction gearing. Compressors, single or double acting. If multiple effect compression
_{double}

Are relief valves or safety discs fitted. No. of cylinders to each unit. Diameter of cylinders.

Diameter of piston rod. Length of stroke. No. of revolutions per minute.

Motive Power supplied from. (State number of boilers, oil engines or electric generators supplying the motive power.)

Steam Engines, high pressure, compound, or triple expansion, surface condensing. No. of cylinders. Diameter.

Length of stroke. Working pressure. Diameter of crank shaft journals and pins.

Breadth and thickness of crank webs. No. of sections in crank shaft. Revolutions of engines per minute.

Oil Engines, type. 2 or 4 stroke cycle. Single or double acting. B.H.P.

No. of cylinders. Diameter. Length of stroke. Span of bearings as per Rule.

Maximum pressure in cylinders. Diameter of crank shaft journals and pins.

Breadth and thickness of crank webs. No. of sections in crank shaft. Revolutions of engine per minute.

Air Receivers: Have they been made under survey. State of Report or Certificate.

Is each receiver, which can be isolated, fitted with a safety valve as per Rule.

Can the internal surfaces of the receivers be examined and cleaned. Is a drain fitted at the lowest part of each receiver.

No. of Receivers. Cubic capacity of each. Internal diameter. thickness.

Seamless, lap welded or riveted longitudinal joint. Material. Range of tensile strength. Working pressure by Rules.

Electric Motors, type. No. of. Rated. Kilowatts. Volts.

at. revolutions per minute. Diameter of motor shafts at bearings.

Reduction Gearing. Pitch circle diameter, pinion. Main wheel. Width of face.

Distance between centres of pinion and wheel faces and the centre of the adjacent bearings, pinion. Main wheel.

Pinion shafts, diameter at bearings. Main wheel shaft, diameter at bearings.

Gas Condensers, No. of. Cast iron or steel casings. Cylindrical or rectangular. Are safety valves fitted

to casings. No. of coils in each. Material of coils. Can each coil be readily shut off or disconnected.

Water Circulating Pumps, No. and size of pumps available. how worked. Gas Separators, No. of.

Gas Evaporators, No. of. Cast iron or steel casings. Pressure or gravity type. If pressure type, are safety

valves fitted. No. of coils in each casing. Material of coils. Can each coil be readily shut off or disconnected.

Direct Expansion or Brine Cooled Batteries, No. of. Are there two separate systems, so that one may be in use while the other is being

cleared of snow. No. of coils in each battery. Material of coils. Can each coil be readily shut off or

disconnected. Total cooling surface of battery coils. Is a watertight tray fitted under each battery.

Air Circulating Fans, Total No. of. each of. cubic feet capacity, at. revolutions per minute

Steam or electrically driven. Where spare fans are supplied are these fitted in position ready for coupling up.

Brine Circulating Pumps, No. and size of, including the additional pump. how worked.

Brine Cooling System, closed or open. Are the pipes and tanks galvanised on the inside.

No. of brine sections in each chamber.

Can each section be readily shut off or disconnected. Are the control valves situated in an easily accessible position.

NOTE.—THE WORDS WHICH DO NOT APPLY SHOULD BE DELETED.

(MADE AND PRINTED IN ENGLAND.)

006903-006911-0283 1/2

© 2021

The Register
Foundation

Sounding Pipes, No. and position in each chamber situated below the load water line. 1 (PES) To N°3 HOLD BILGE.
Diameter. 2 1/2". Are all sounding pipes in way of insulated chambers fitted in accordance with Section 3, Clause 11. YES.
Are all wood linings tongued and grooved. YES. Are cement facings reinforced with expanded steel lattice. YES.
How is the expanded metal secured in place. BY HAIRPIN STAPLES TO WOOD GROUNDS.
How are the cork slabs secured to the steel structure of the vessel. BEDDED IN BITUMEN & NAILED TO GROUNDS.
Air Trunkways in Chambers. Are the arrangements satisfactory and in accordance with the approved plans. YES.
Are they permanently fixed or collapsible, or portable. PERMANENTLY FIXED.
Where air trunkways pass through watertight bulkheads, are they fitted with watertight doors. Are the door frames efficiently insulated. SHIPS SIDE DOORS FROM INSIDE.
Are insulated plugs supplied for the doorways. YES. Where are the doors worked from. BULKHEAD DOORS N°3 LOWER TW. DKS FROM BOTH SIDES. PLUGS IN UPPER TW. DK BHD'S FROM OUTSIDE CHAMBERS.
Cooling Pipes in Chambers, diameter. N°6 1 29/32". Minimum thickness. 7 G. Are they galvanised externally. YES.
How are they arranged in the chambers. ON FACE OF INSULATION IN N°6 CHAMBERS.
Thawing Off, what provision is made for removing the snow from the cooling pipes in the chambers. HOT GAS BY REVERSE CIRCULATION OR REFRIGERANT FOR N°3 AIR COOLED SPACES. HOT BRINE FOR N°6 GRID COOLED SPACES.
The foregoing is a correct description of the Insulation and Appliances.

Builders.

Plans. Are approved Plans or Specifications forwarded herewith for the Refrigerating Machinery No. and Insulation. NO. FORWARDED WITH PREVIOUS SISTER VESSEL "MORBIHAN" GLS. RPT 71902
(If not, state date of approval)
Is the Refrigerating Machinery and Appliances duplicate of a previous case. YES. If so, state name of vessel "MORBIHAN".
If the survey is not complete, state what arrangements have been made for its completion and what remains to be done. COMPLETE.

General Remarks (State quality of workmanship, opinions as to class, &c.) See also London Report N° 1746
The Refrigerating Machinery and Appliances have been satisfactorily installed on board the vessel under special survey.
The materials and workmanship are good.
The machinery has been tested under full working conditions and found in good order.
Cooling tests were satisfactorily carried out and the installation is eligible in our opinion for classification with Record of *LLOYD'S R.M.C. 9.47 N°6 Main and lower tween decks for temperatures -9.5°C (15°F) and all other chambers for temperatures 0°C (32°F).

It is submitted that this vessel is eligible for THE RECORD. + LLOYD'S RMC 9.47 to 6 main & lower tween decks for temp. 15°F. All other chambers for 32°F.

CERTIFICATE WRITTEN L.Y. 19/9/47

PARTICULARS TO BE ENTERED IN REGISTER BOOK.

REFRIGERATING MACHINES.					System of (1) Refrigerating (2) Insulating the Chambers.	Ice melting capacity per 24 hours.	Is Refrigerating Machinery Electrically Driven?	INSULATED CARGO CHAMBERS.	
No. of Units.	No. of Compressors.	System.	Makers.	Date of Construction.				No.	Capacity. Cubic ft.
3	6	AMMONIA	J.E. HALL LTD. DARTFORD	1947	UBAINE AIR 2 GRAN. 1 SLAB CORK	37	YES	5	59,990

Lon. Ac £8:13:4
Fee GLS AC £17:6:8 £ 26: 0 : 0 (Fee applied for, 16.9.47.19
Travelling Expenses £ : : Received by me, 19

Macmillan for H. Dickerson & Self. W. Russell
Surveyors to Lloyd's Register.

Committee's Minute. GLASGOW 1 SEP 1947
Assigned. Lloyd's RMC 9.47
No. 6 Main & lower tween decks for temp. -9.5°C (15°F) and all other chambers for temp. 32°F

FRI. 2 APR 1948
Amend notation to + Lloyd's RMC for Mediterranean Temp. 32°F in no. 3 space and 150°F in no. 6 spaces.
W. Russell
London 16.2.48