

Rpt. 18

Date of writing Report 6th June, 1960

Received London

TRIESTE

Port

No.

15220

Survey held at TRIESTE

No. of Visits

4

First Date 13th May, 1960

Last Date 4th June, 1960

REPORT ON REFRIGERATED CARGO INSTALLATION SURVEYS

No. in R.B. 19233

Name of Ship

M/V " L E M E " (8039)

Class notation as shown in Register Book or as amended in Supplement +LLOYD'S RMC to maintain temp. ~~minus 4°F in the fwd. and centre chambers and 32°F in the aft chambers with sea temp. 90°F max.~~ etc

SRMC 9,56 RMC RS 9,59

Total capacity of refrigerated cargo space 20620 cu.ft.

Total No. of independently refrigerated chambers 6

Last Report No. (to be filled in at Head Office) 31378

Port Bas

A (state whether Intermediate, Biennial, Running and/or Special Survey) Commencement of SRMC Survey has now been held in accordance with the Requirements of the Rules. The items examined are detailed on the back of the Report, all were found or placed in good order unless otherwise stated.

PARTICULARS OF DEFECTS AND REPAIRS, ALTERATIONS ETC. (The reason for repairs must be stated)

CO2 gas condenser (starbd)/; shell (welded type) renewed because corroded.
Hydraulically tested to 2 X WP satisfactorily.

If the Survey is not complete, state what arrangements have been made for its completion and what remains to be done To complete SRMC all to be done except as specified overleaf.

Stated that the survey will be completed during future visits of the ship to Trieste.

Has an Interim Certificate been placed on board and a copy forwarded herewith? yes R.S. cases. Has the Survey Book on board been filled in and signed by the Surveyor? yes

RECOMMENDATION AS TO CLASS. { Where special conditions of class are imposed, amended or deleted, they must be stated here and on the interim certificate. State clearly what alterations to the particulars in the Register Book are necessary consequent upon this Survey }

Recommend this installation remain as classed with out fresh record of Survey.

Date of Committee THURSDAY 28 JUL 1960

Minute

As above



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Surveyor to Lloyd's Register of Shipping

Lloyd's Register Foundation

003599-003604-0007

DETAILS OF SURVEY NOW HELD

The surveys are to be carried out in accordance with the relevant requirements of Chapter N of the Rules. The items enumerated below do not quote the Rules in full. The chambers examined are to be clearly identified by position. The different components (machines, condensers, cooling pumps, etc.) of the plant are to be identified by the relative position of the other similar components, and not solely by numbers. The items examined and found or placed in good condition are to be described as "good"; where repairs are considered necessary but have not been carried out the item is to be marked thus "+" and the defect and action recommended described under "Particulars of defects and repairs."

- 1 Machinery under working conditions
- 2 Log book
- 3 Cargo chambers; including (where applicable) tank and tunnel top insulation tested, air ducts, air cooler casings, insulation linings etc., test holes, where made, effectively closed, floor coverings, insulated hatch covers or hatch plugs and supports, doors and their frames, air refreshing closing appliances, bilge and manhole plugs, thermometers, thermometer tubes, their connections and fastenings, bilges, suction pipes, suction roses, sounding pipes, scuppers and scupper non-return valves, cooling grids, air cooler coils, cooler trays and fans. (State which chambers. See notes above.)
- 4 Brine or water cooling grids and/or coils tested (state pressure)
- 5 Insulation of brine or other refrigerent piping outside chambers
- 6 Electric motors control gear and cables and their insulation resistance measured
- 7 Generating plant supplying electric power (generally examined)
- 8 Primary refrigerant gas and liquid pipes, separators, receivers, driers, filters, condenser and evaporator coil terminals or pressure shells and other pressure parts externally
- 9 Refrigerating plant spare gear
- 10 Thermometers tested for accuracy
- 11 Tubes and tubeplates of "shell-and-tube" type gas condensers. (State which ones. See notes above.)
- 12 Refrigerating machines opened up. (State which ones. See note above.)
- 13 Steam or I.C. engines driving refrigerating machinery opened up. (State which ones. See notes above.)
- 14 Steam condensers (exclusive to refrigerating plant.) (State which ones, and if tested.)
- 15 Gas condenser cooling pumps opened up. (State which ones. See notes above.)
- 16 Brine circulating pumps opened up. (State which ones. See notes above.)
- 17 Steam jet vacuum refrigerating plants providing chamber cooling medium (state which ones) including flash chambers and water spray arrangements, thermo compressor steam chambers and nozzles, condensers (state if tested), cooled water circulating pumps, condenser cooling water pumps, condensate extraction pumps, and air pumps or ejectors
- 18 Air compressors (exclusive to machinery driving refrigerating plant) opened up, and air receivers for same. (If tested state pressure)
- 19 Pressure relief devices throughout refrigerating plant
- 20 Steam jet vacuum refrigerating plant for sub-cooling primary refrigerant liquid (state which ones), including flash chambers and water spray arrangements, thermo compressor steam chambers and nozzles, condensers (state if tested), cooled water circulating pumps (where applicable), condenser cooling water pumps, condensate extraction pumps, and air pumps or ejectors
- 21 Insulation stripped from pipes carrying refrigerating medium (state at which point) (Where the pipes are exposed to atmospheric conditions state whether the seal has been made good.)
- 22 Insulation, insulation linings, grounds, hangers and fixtures supporting insulation, grids, meat rails, etc., on overhead and vertical surfaces with sufficient air trunking and insulation and lining stripped. (State in which chambers, where, and also whether the seal of the air trunks and insulation lining has been made good.)
- 23 Insulation, grounds and inner insulation lining of tank tops, with sufficient insulation and lining stripped. (State in which holds and where.)
- 24 Coils of "coil-in-casing" type gas condensers (state whether coils drawn or examined through openings in casings) tested. (State which ones and pressure.)
- 25 Coils of "coil-in-casing" type evaporators (brine coolers), (state whether coils drawn or examined through openings in casings) tested. (State which ones and pressure.)
- 26 Gas condensers "shell-and-tube" or "double pipe" type with end covers removed tested. (State which ones and pressure.)
- 27 Gas evaporators (brine coolers) of "shell-and-tube" type with end covers removed tested. (State which ones and pressure.)
- 28 Primary refrigerant liquid sub-cooling heat exchangers of "shell-and-tube" or "double pipe" type tested. (State pressure.)
- 29 Other types of heat exchangers for sub-cooling liquid refrigerant using brine or water tested. (Give particulars and pressure.)
- 30 Primary refrigerant liquid sub-cooling coils tested. (State which ones and pressure.)
- 31 Primary refrigerant chamber grids or air cooler coils tested. (State pressure. If not all state which.)
- 32 Sea connections opened up
- 33 Steam pipes over 3 inches bore tested. (Six-year intervals.)

"Hall" installation (starbd) only - Good

CO2 for "Hall" (starbd)-coils drawn, tested to 140 Kg./Cmq - Good

CO2 for "Hall" (starbd)-coils drawn, tested to 105 Kg./cmq - Good

Items 1 to 17 Biennial, Intermediate and R.S. Surveys

Items 18 to 32 Special Surveys

Part Survey, repairs
state when shell removed (water)
It is submitted that
the vessel's REFRIGERATING
INSTALLATION is eligible
to remain as classed.

LEAVE THIS SPACE BLANK

DUAL CLASS
L.R. & R.I.

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Lit 20,000. less 15% = Lit 17,000.-
Survey Fee
Travelling expenses (if chargeable) £ 3,280.-
Rev. Tax 3% 606.-
Date when Account rendered 7.6.60