

REPORT OF SURVEY ON REFRIGERATING MACHINERY & APPLIANCES.

JUN 14 1939

(Received at London Office)

Date of writing Report 10 JUN 1939 When handed in at Local Office LIVERPOOL Port of Liverpool

No. in Reg. Book 7626 Survey held at Liverpool Date: First Survey 8/6/39 Last Survey 9/6/1929
 on the Refrigerating Machinery and Appliances of the S.S. HURUNNI (No. of Visits 2)
 Tons { Gross 9315 Vessel built at Middlesbrough By whom Sir Raylton Dixon Liverpool 1920-10
 Net 5499 Owners New Zealand Shipping Co. Ltd Port Plymouth Voyage ✓
 Last Survey No. 98 Port L.A.

PARTICULARS AS ENTERED IN REGISTER BOOK.

| No. of Units. | No. of Compressors. | System. | Makers. | Date of Construction. | System of (1) Refrigerating (2) Insulating the Chambers. | POWER. | | INSULATED CARGO CHAMBERS. | | Notation and Date of Last Complete Periodical Survey. |
|---------------|---------------------|---------|----------------|-----------------------|--|---------------------------------------|--|---------------------------|---------------------|---|
| | | | | | | Cubic feet of air delivered per hour. | Ice melting capacity per 24 hours. Tons. | No. | Capacity. Cubic ft. | |
| 2 | 2 | Carl | Haslam Laundry | 1923 | Brine Granulated cork Silicate Cotton | - | 168 | 9 | 402225 | Lloyd's RMC 11.38 |

Particulars of Examination and Repairs for Complete Periodical Survey or Modified Survey.

The machinery been examined under working conditions yes before or after the refrigerated cargo was discharged after

of brine 47 hydrometer. TEMPERATURES of the return air 0 & 5

Delivery and return air at direct expansion or brine cooled batteries 68, outflow and return brine 65 & -4

where 68, cooling water inlet and discharge 60 & 62, gas in condensers and evaporators

Log entries show that the plant was efficient during the last voyage with Refrigerated Cargo

| | | | |
|---------------|----|---------------|----|
| N° 1 L. Hold | 35 | N° 3 Lower OA | 34 |
| N° 1 Lower OA | 34 | N° 4 L. Hold | 11 |
| N° 2 L. Hold | 11 | N° 4 Lower OA | 11 |
| N° 2 Lower OA | 11 | N° 5 Lower OA | 34 |
| N° 3 L. Hold | 35 | | |

Water Coils, date of last test ✓ If machinery is electrically driven, date of last examination of a generator ✓

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

Gas condenser and evaporator coils, or only the coil terminals, been examined yes Have the direct expansion or brine cooled battery coils been examined ✓

Refrigerating liquid pipes, separators and receivers, and the gas return pipes been examined externally as far as practicable yes

Insulation been examined throughout the cargo chambers yes Where charcoal, silicate cotton, 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

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

Manhole hatches, air trunkways and thermometer tubes with their connections and fastenings been examined yes Have the watertight doors been examined and worked yes

Brine pipes or direct expansion pipes been examined yes, under what conditions Deposited Have the sea injection valves been opened and examined yes

Survey is not complete, state what arrangements have been made for its completion and what remains to be done complete

Work done:-
 The machinery examined under working conditions
 Examined the forward machine throughout, after bore pump & inboard circulating pump opened in good condition
 The insulation & piping (tested) in all cargo holds & lower decks examined - lower hatches lifted, bilge suction etc examined

Engine:- HP valve spindle shimmied up, seal & gland bush renewed
 Pump:- 2 piston rods shimmied up, seal & gland bushes renewed.
 40 hatch plugs renewed
 sundry minor repairs

General observations, opinion, and recommendation. The refrigerating machinery & appliances of this vessel are eligible in my opinion to remain as classed, with fresh record of LLOYD'S R.M.C. 6.39.

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

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 R.M.C. £ 18: - : - { Fee applied for, 10 JUN 1939 10

Travelling Expenses £ : : { Received by me, ✓ 19

Committee's Minute

Assigned Lloyd's R.M.C. 6.39 Deferred

Surveyor to Lloyd's Register of Shipping. W. H. Waggott

LIVERPOOL 13 JUN 1939

LLOYD'S REGISTER OF SHIPPING

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2m.11.37. T. (MADE IN ENGLAND)

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