

Report of Survey on Refrigerating Machinery & Appliances.

Received at London Office 17 MAR 1952

Date of writing Report 8-3-1952 When handed in at Local Office 8-3-1952 Port of SINGAPORE.
 No. in Reg. Book 21601 Survey held at SINGAPORE Date: First Survey 10-1-52 Last Survey 10-2-1952 No. of Visits 4.
 on the Refrigerating Machinery and Appliances of the STEEL TWIN SE M.V. "CRESTES"
 Gross 7765 Vessel built at BELFAST By whom WORKMAN, CLARK & CO. LD When 1926 -
 Net 4737 Owners OCEAN S.S. CO. LD Port LIVERPOOL Voyage -
 Last Survey No. Port

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	No.	Capacity	
2	2	CARBONNY	J. & E. HALL, LD	1926	(1) BRINE-AIR. (2) CORN	-	48	8	134,430	Lloyd's RMC

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

Has the machinery been examined under working conditions No before or after the refrigerated cargo was discharged -
 Density of brine - by - hydrometer. TEMPERATURES of the return air - & -
 or, delivery and return air at direct expansion or brine cooled batteries - & - outdoor and return line - & -
 atmosphere - cooling water inlet and discharge - & - gas in condensers and evaporators - & -
 Do the log entries show that the plant was efficient during the last voyage with refrigerated cargo -
 Condenser Coils, date of last test - If machinery is electrically driven, date of last examination of a generator engine and generator STAR. FWD. JAN. 1952
 Have all the working parts of the refrigerating machines and of the auxiliary machinery been examined - Is the spare gear in accordance with the Rules YES
 Have the gas condenser and evaporator coils, or only the coil terminals, been examined - 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 -
 Has the insulation been examined throughout the cargo chambers - Has it been tested for dryness - Where charcoal, silica cotton, granulated cork or similar media are employed for insulating purposes, has such insulation been examined for fullness - Have the test holes been efficiently closed -
 Have 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 -
 Have the hatches, air trunkways and thermometer tubes with their connections and fastenings been examined - Have the watertight doors been examined and worked -
 Have the brine pipes or direct expansion pipes been examined - under what conditions - 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 Survey complete.
 Please refer to correspondence, reference Class. 'S' dated 26th February, 1951 and 'H' dated 1st & 8th March, 1951 also, Singapore Report No. 8776.

An interim certificate is the possession of the Chief Engineer issued by the Society's Surveyors at Melbourne dated 26th November, 1951 stated that the refrigerating machinery had been examined under working conditions and the brine pipes of the insulated cargo spaces and battery coils of the lower hold spaces tested.

Now done. Ship placed in dry dock and injection valve of the refrigerating circulating water pump opened up and examined. Spare gear checked. Thermometers checked for accuracy with standard thermometer.

The brine cooled battery fans examined and found satisfactory.
 Refrigerating machinery, alternative sea water circulating pump (R.R. Fire/bilge pump (No. 1)) opened up and examined and found satisfactory.

Now and later repairs. Insulation on the tank top at port and starboard sides of the tunnel casing removed for access to the tank top repairs. On completion of the repairs new grouted cork laid and well being fitted. Access plugs to bilge spaces, manholes, suction wells refitted and found satisfactory.

Starboard forward (No. 3) auxiliary diesel generator engine opened up and examined and found satisfactory (See also Rpt. 9.)

Completed 17th in respect of the refrigerating machinery and appliances of this vessel is forwarded herewith.

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

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

so far as seen, are in good condition and eligible in my opinion to have the record of RMC (with date)

Supplementary %
 for 8425 - see
 Fee for 2111/52

Travelling Expenses

For additional fee charged. See Sec's letter 30/1/52
 and previous correspondence on this subject.

Fee applied for

Received by me

Surveyor to Lloyd's Register of Shipping.

Date
 Committee's
 Minute

As now

Make for RB

TUES. 25 MAR 1952

003875-003883-0081

Lloyd's Register
 Foundation

It is submitted that
the vessel's REFRIGERATING
INSTALLATION is eligible
to remain as classed.

Part RMC.

Jan 18/3/52

Note for RB.

Sdd. Ford. Genl. eng. 1-52.



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