

# Report of Survey on Refrigerating Machinery & Appliances.

of writing Report 20.5. 19 57 When handed in at Local Office 21.5. 19 57 Received at London Office 30 MAY 1957

in Book Survey held at LIVERPOOL Date: First Survey 14 . 5 . 57 Last Survey 16 . 5 . 19 57 Port of LIVERPOOL

the Refrigerating Machinery and Appliances of the S.S. "AYRSHIRE" No. of Visits THREE

Gross Vessel built at Greenock By whom Greenock Dockyard Co. Ltd. When 1957

Net Owner British & Commonwealth Shipping Co. Ltd. Port Glasgow Voyage

Survey No. Port

## PARTICULARS AS ENTERED IN REGISTER BOOK.

REFRIGERATING MACHINERY.										
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.	
					No particulars in Register Book					Lloyd's RMC

## Particulars of Examination and Repairs for Alterations to Compressors Periodical Survey (state which).

Build: The machinery been examined under working conditions before or after the refrigerated cargo was discharged by of brine by hydrometer. TEMPERATURES of the return air delivery and return air at direct expansion or brine cooled batteries & outflow and return brine where cooling water inlet and discharge & gas in condensers and evaporators. Log entries show that the plant was efficient during the last voyage with refrigerated cargo.

~~SURVEY CONFIDENTIAL TO BEL~~

Compressor Coils, date of last test. If machinery is electrically driven, date of last examination of a generator engine and generator.

all the working parts of the refrigerating machines and of the auxiliary machinery been examined. Is the spare gear in accordance with the Rules.

the gas condenser and evaporator coils, or only the coil terminals, been examined. Have the direct expansion or brine cooled battery coils been examined.

the refrigerating liquid pipes, separators and receivers, and the gas return pipes been examined externally as far as practicable.

the insulation been examined throughout the cargo chambers. Has it been tested for dryness. Where charcoal, silicate cotton, or similar media are employed for insulating purposes, has such insulation been examined for fullness. Have the test holes been efficiently closed.

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.

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

the brine pipes or direct expansion pipes been examined, under what conditions. Have the sea injection valves been opened and examined.

Survey is not complete, state what arrangements have been made for its completion and what remains to be done. Complete extended on board. See London Letter dated 9th May, 1957.

Done: All compressor, pistons now replaced by new type with scraper rings. (Previously used pistons no scraper rings fitted).

Machinery examined under light running condition on completion of alterations and found satisfactory.

Output test of each machine in turn, carried out in presence of Surveyor from London office Staff.

General observations, opinion, and recommendation: The Refrigerated Cargo Installation of this vessel so far as seen are in an efficient condition and eligible in my opinion to remain as classed without fresh record of "to maintain temp. 15°F. with sea temp. 90°F.

to Comp. £ 6 : 6 : 0 Fee applied for 19

ing Expenses £ - : - : - Received by me 19

Date LIVERPOOL 28 MAY 1957

Surveyor to Lloyd's Register of Shipping. W.A. Leggat

As now

Lloyd's Register Foundation

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