

Report of Survey on Refrigerating Machinery & Appliances.

Received at London Office 18 JUL 1947

Date of writing Report 10th July 1947 When handed in at Local Office 15-7-47 Port of LONDON
 No. in Reg. Book 86505 Survey held at LONDON Date: First Survey 8-5-47 Last Survey 10th JULY 1947
 on the Refrigerating Machinery and Appliances of the M.V. "PACUARE" (EX. EMPIRE ALDE)
 Gross 3264 Vessel built at BREMEN By whom VULCAN VEGESACK When 1934
 Tons Net 1933 Owners ELDERS and FYFFES, LTD. Port 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. Tons.	No.	Capacity. Cubic ft.	
2	4	CARB. ANHY.	ATLAS WERKE A.G.	1935	BRINE & AIR "ALFOL" and "TORFOLEUM"		65 3/4	3	157,025	Lloyd's RMC

Particulars of Examination and Repairs ^{to} Complete ^{CLASSIFICATION} Periodical Survey or Modified Survey.

Has the machinery been examined under working conditions YES before or after the refrigerated cargo was discharged
 Density of brine 50 by TWADDLE hydrometer. TEMPERATURES of the return air 6°F & 20°F
 or, delivery and return air at direct expansion or brine cooled batteries & outflow and return brine 7°F & 16°F
 atmosphere 58°F, cooling water inlet and discharge 69 & 72, gas in condensers and evaporators 98°F & -9°F
 Do the log entries show that the plant was efficient during the last voyage with refrigerated cargo NO PREVIOUS LOG AVAILABLE

Condenser Coils, date of last test MARCH 1947 If machinery is electrically driven, date of last examination of a generator engine and generator ✓
 Have 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
 Have the gas condenser and evaporator coils, or only the coil terminals, been examined YES Have the direct expansion or brine cooled battery coils been examined YES
 Have the refrigerating liquid pipes, separators and receivers, and the gas return pipes been examined externally as far as practicable YES
 Has the insulation been examined throughout the cargo chambers ✓ Has it been tested for dryness ✓ Where charcoal, silicate 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 YES, under what conditions FROSTED 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 Complete
 how done:- Insulation for end of ho. 3 Lower Tween Deck examined after last renewal and found satisfactory.
 Brine batteries and boiler fans installed as per attached plan. Refrigerating machinery and
 appliances tested under working conditions and cooling tests carried out in accordance
 with Rule requirements and found satisfactory. Evaporator tank tested satisfactorily to
 30 lps after minor welding repairs to seam leakage stated to have resulted from fire.

Temperatures at shut down of machinery.

Temperatures after 12 hours.

ho. 1 Forecastle Deck	18.5°F	—	32.0°F
ho. 1 Upper Tween Deck	18.5°F	—	27.0°F
ho. 1 Lower Tween Deck	18.0°F	—	27.0°F
ho. 1 Hold	20.0°F	—	29.0°F
ho. 2 Upper Tween Deck	19.0°F	—	29.5°F
ho. 2 Lower Tween Deck	18.0°F	—	26.0°F
ho. 2 Hold	18.5°F	—	28.5°F
ho. 3 Upper Tween Deck	20.5°F	—	34.0°F
ho. 3 Lower Tween Deck	18.5°F	—	30.5°F

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

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

vessel, as now examined, are in good order and eligible in my opinion to have record
 assigned of LLOYD'S RMC 7,47 as previously recommended (See HAMBURG Surveyors Report no. 408)

Fee (Completion) £ 10:0:0 Fee applied for 18 JUL 1947

Travelling Expenses £ : : Received by me 19

Surveyor to Lloyd's Register of Shipping.

Date 25 JUL 1947
 Committee's Minute Lloyd's RMC. 747
 for Temp 32°F

002870-002875-0267

NOTE.—The words which do not apply should be deleted.