

# REPORT OF SURVEY ON REFRIGERATING MACHINERY & APPLIANCES.

(Received at London Office

FEB 23 1939

Date of writing Report 24/2 1939 When handed in at Local Office 19 Port of Rotterdam

No. in Reg. Book 20430 Survey held at Rotterdam Date: First Survey 15/2 Last Survey 17/2 1939  
(No. of Visits three)

on the Refrigerating Machinery and Appliances of the Twin Sc 1 1/2 "NOORDAM"

Tons { Gross 10726 Vessel built at Rotterdam. By whom M.T. Meul. & Schipm. v. P. Smith 1938-9.  
Net 6236 Owners Nederl. Amerik. Stm. Maats. Port Rotterdam, Voyage New York

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.	
<u>3</u>	<u>3</u>	<u>Carb. Rheinmetall</u>	<u>Amby Boreig A.G.</u>	<u>1938</u>	<u>Brine &amp; Air</u> <u>Carb. Slabs</u> <u>Concent faced</u>		<u>12</u>	<u>6</u>	<u>16,032</u>	<u>Lloyd's</u> <u>RMC</u> <u>9.30</u> <u>for temp 32° F</u>

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

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

density of brine 30° by Brauni hydrometer. TEMPERATURES of the return air &

delivery and return air at direct expansion or brine cooled batteries ✓ & ✓, outflow and return brine -27.5 & -22 C

atmosphere 46 F, cooling water inlet and discharge 43 & 45 F, gas in condensers and evaporators +8 1/2 C & -37 C

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 ✓

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 ✓

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 yes Where charcoal, silicate cotton, insulated cork or similar media are employed for insulating purposes, has such insulation been examined for fullness and dryness ✓ 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 doors hatches, air trunkways and thermometer tubes with their connections and fastenings been examined yes 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 ✓

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

Examined refrigerating machinery under full working condition and found satisfactory.

Compressors opened up, examined and found good.

Spare gear examined and found in order.

Insulation generally examined and found good.

Insulation test completely held, results as per attached 1<sup>st</sup> Entry report.

General observations, opinion, and recommendation The refrigerating machinery and appliances being now in a good condition I am of opinion that the vessel is eligible to remain as classed, and as per 1<sup>st</sup> Entry report.

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

Swelling Expenses £ 2 Fee applied for, 22. 0. 1939

Received by me, 19

TUE 28 FEB 1939

Surveyor to Lloyd's Register of Shipping. As now but delete

Committee's Minute

signed As now but delete

For Temp. 32° F. CERTIFICATE WRITTEN.

Lloyd's Register Foundation

005107-005117-0170

The Surveyors Rotterdam for issue in order

It is submitted that  
this vessel is eligible for  
THE RECORD, + Lloyd's No 9.38

as now,

Delete In temp 32'7.

Yes  
It is concluded that the  
restriction "In temp 32'7"  
may now be deleted  
but this should be  
confirmed + the  
insurers referred  
to Rob Rep 27376  
+ their letter  
28/10/38.

JA  
24/1/39



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Foundation