

Rpt. 9 J.H.F.

22 AUG 1957

Date of writing report 7-8-56.

Received London

Port ROTTERDAM

No. 440023

Survey held at ROTTERDAM

No. of visits 4

First date 24-7-57.

Last date 5-8-57.

# REPORT OF PERIODICAL SURVEYS & REPAIRS OF MACHINERY

No. in R.B. 58415 Name ~~M.V.~~ "E.B.R.O." Gross tons 250 Date of build 2-1931

Owners N.V. Intern. Sleepdienst Maats. Managers - Port of Registry ROTTERDAM

Engines made 1931 By N.V. Mch. & Schps. P. Smit Jr. Rotterdam Type T 3 Cy. MN (108)

No. of Main Engines 1 No. of Screws 1 Records of Survey & Special Notations as per Register Book

No. of Main Boilers 1 SB W.P. 200 lbs.

HS " " (1708) No. of Aux./Donkey Boilers - W.P.

Surveyed Afloat or in Dry Dock both

Nature of Survey Cond. Part/M.B.S. Repairs.

Was Damage Report issued? no Int. Cert.? yes

Last Report (For Head Office only)

Hull	Machinery
* 100A1	* L.M.C. 10-56
Dock 9-56	B.S. 10-56
S.S. Rot. (Dr) 10-56	T.S. 11-55 C.L.
	s.p.s. 10-56
For towing services.	O.F. 2-48

The condition of any of the following items is to be described as "good" only when the part has been examined, found or placed in good condition, and is considered to be acceptable until the due date of the next Periodical Examination. Where it is considered that re-examination or repairs should be effected before the due date of the next Periodical Examination a distinguishing mark thus † should be inserted against the item and the circumstances and action recommended described fully under "defects and repairs". At part or complete Special Surveys those items which are not applicable to the ship should be cancelled with a black line; this need not be done when the machinery is on a continuous survey basis. When any part has been subjected to pressure test this should be stated. Engine parts when referred to by numbers should be counted from forward.

DOCKING Propellers good Wear Down of Stern Bushes 1,2 mm. Oil Glands - Sea Connections -

Fastenings good Has Screwshaft Tubeshaft been drawn? NO Date of Examination - Has Shaft been changed? -

Has Shaft now fitted been previously used? - Has Shaft now examined/fitted a continuous liner? - Approved oil gland? -

MAIN ENGINES (Recip. Steam ~~of 100~~) PORT ~~STARBOARD~~

1 Cyls., Covers, Pistons & Rods H.P. good

2 Valves & Gears

3 Connecting Rods, Top Ends & Guides

4 Crankpins & Bearings H.P. and L.P. good

5 Journals & Bearings

MAIN ENGINE DRIVEN AIR COMPRESSORS

6 Cyls., Covers, Pistons & Rods

7 Connecting Rods & Top Ends

8 Crankpins & Bearings

9 Journals & Bearings

10 Coolers & Safety Devices

MAIN ENGINE DRIVEN SCAVENGE PUMPS

11 Cyls., Covers, Pistons & Rods

12 Connecting Rods & Top Ends

13 Crankpins & Bearings

14 Journals & Bearings

15 Levers

16 SCAVENGE BLOWERS

17 SUPERCHARGERS

MAIN TURBINES

18 Casings, Rotors, Blading, Bearings & Thrusts

EXHAUST STEAM TURBINES (WITH RECIP. ENGINES)

STEAM COMPRESSORS

CLUTCHES & HYDRAULIC COUPLINGS

REDUCTION GEARING

THRUST BLOCKS, SHAFTS & BEARINGS

INTERMEDIATE SHAFTS & BEARINGS

HOLDING DOWN BOLTS & CHOCKS

CONDENSERS (MAIN & AUX.)

STEAM RE-HEATERS

DE-SUPERHEATERS

STOP & MANOEUVRING VALVES

MAIN ENGINE DRIVEN PUMPS airpump good

CRANKCASE DOORS & EXPLOSION RELIEF DEVICES Have Main Engines been tested working and manoeuvring? yes

OPINION OF MACHINERY AND RECOMMENDATIONS The machinery being in good condition the vessel may be continued

as classed with fresh record of Main Boiler Survey 7-57.

TUESDAY 10 SEP 1957

Date of Committee

Decision

MBS 7.57

Noted for Header

D. Kampman. Engineer Surveyor to Lloyd's Register of Shipping

Lloyd's Register Foundation

002725 - 002735 - 0047

If so, is the Report sent now, or when will it be sent?

If certificate is required state where to be sent.

- 32 Essential Independent Pumps (Identify by position) .....
- 33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls .....
- 34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? .....
- 35 Fresh Water Coolers ..... 36 Lub. Oil Coolers ..... 37 Heaters (state service) .....
- 38 Independent Air Compressors, Coolers & Safety Devices .....
- 39 Air Receivers & Safety devices—Main ..... 40 Auxiliary .....
- 41 Oil Fuel Tanks (Not forming part of hull structure) .....
- 42 Evaporators ..... 43 Have Evaporator Safety Valves been tested under steam? .....
- 44 Steering Machinery ..... 45 Windlass ..... 46 Fire Extinguishing Arrangements .....

AUXILIARY ENGINES (Identify by position).....  
 .....  
 .....

PROPULSION		ELECTRICAL EQUIPMENT	
PORT	STARBOARD	STARBOARD	AUXILIARY EQUIPMENT
a Generators .....	.....	.....	l Generators & Governors .....
b Exciters .....	.....	.....	m Motors .....
c Air Coolers .....	.....	.....	n Switchboards & Fittings .....
d Motors .....	.....	.....	o Circuit Breakers .....
e Air Coolers .....	.....	.....	p Cables .....
f Control Gear, Cables, etc. ....	.....	.....	q Insulation Resistance .....
g Insulation Resistance .....	.....	.....	r Steering Gear Generators and Motors .....
h Insulating Oil Test .....	.....	.....	s Navigation Light Indicators .....
i Overspeed Governors .....	.....	.....	.....
j Magnetic Couplings .....	.....	.....	.....
k Air Gap .....	.....	.....	.....

BOILERS OPENED UP & EXAMINED (Identify by position and state latest date of internal examination of each boiler)

MAIN ..... 25-7-57 ..... good ..... AUXILIARY, DONKEY or PRESS .....

Superheaters .....

Safety Valves ..... good .....

Mountings, Doors & Fastenings ..... good .....

Safety Valves Adjusted to { Sat. -  
 Spt. 200 lbs. ....

Boiler Securing Arrangements ..... good .....

Main Economisers ..... - ..... Exhaust Gas Heated Economisers .....

Steam Heated Steam Generators ..... - ..... Steam Generator Safety Valves Adjusted to .....

Were Oil Burning System & Remote Controls examined working in accordance with Rules? ..... YES ..... Forced Circulating Pumps .....

Have Saturated Steam Pipes in cylindrical boiler smoke boxes been examined as required by Rules? ..... Funnel .....

EXAMINATION & TESTING OF STEAM PIPES (State material)

Main ..... Auxiliary (over 3 in. bore) .....

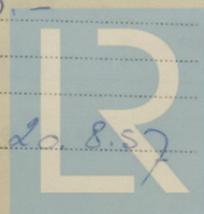
Were Copper Pipes annealed? ..... Have Saturated Pipes in cylindrical boiler smoke boxes been tested? .....

PARTICULARS OF DEFECTS & REPAIRS, ETC. (Damage repairs should be detailed separate from wear and tear repairs; state what action has been taken regarding items which are subjects of class)

Wear and Tear Repairs: H.P. cylinder found slightly worn.  
 Now done: Cylinder bored out, original dia. 318 mm., dia when started boring 320,6 dia. now 323 mm.  
 New H.P. piston and Lockwood & Carlise rings fitted H.P. and L.P. crankpin brasses reinstalled  
 Mainboilers: 2 choked smoke tubes and 2 leaking stay bolts renewed.

LEAVE THIS SPACE BLANK

Survey fees fl. 110,-  
 Damage fee .....  
 Expenses... 6,-  
 Date when A/c rendered 20.8.57



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It is submitted that this vessel is eligible for THE RECORD. M.B.S. 7,57

94  
 25/9/57

MBS + 0 record