

Rpt. 9

Date of writing report

8.10.55

Survey held at

Lübeck

Received London

No. of visits

5

Port

Hamburg

No.

4283

First date

5th Sept.

Last date

24th Sept. 1955

## REPORT OF PERIODICAL SURVEYS &amp; REPAIRS OF MACHINERY

No. in R.B. S.S. Aux. BK. Training ship "Passat" Gross tons 3781 Date of build 11-1944  
Owners Landasbank & Girozentrale Managers Port of Registry Lübeck  
Engines made 1943 By Fr. Krupp - Kiel Type Oil Engine 4 SA 6 cyl.  
No. of Main Engines 1 No. of Screws 1  
No. of Main Boilers W.P. -  
No. of Aux./Donkey Boilers W.P. -  
Surveyed Afloat or in Dry Dock Both  
Nature of Survey Compl. Mch. Survey & CL  
Was Damage Report issued? No Int. Cert.? Yes  
Last Report (For Head Office only)

Records of Survey &amp; Special Notations as per Register Book

Hull	Machinery
+ 100 A1	LMC 1-52
Reclassified 1-52 (SS)	NE made 1943, refitted 1952
Docking 6-52	CL 1-52 N

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 † Wear Down of Stern Bushes 1.6 mm Oil Glands Sea Connections good  
Fastenings good Has Screwshaft been drawn? Yes Date of Examination 7.9.55 Has Shaft been changed? No  
Has Shaft now fitted been previously used? Has Shaft now examined, fitted a continuous liner? Yes Approved oil glands -  
MAIN ENGINES (Recip. Steam or I.C.) PORT with supercharging STARBOARD  
1 Cyls., Covers, Pistons & Rods good  
2 Valves & Gears good  
3 Connecting Rods, Side good  
Top Ends & Guides Centre good  
4 Crankpins & Side good  
Bearings Centre good  
5 Journals & Bearings good  
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 -  
SCAVENGE BLOWERS  
SUPERCHARGERS good  
MAIN TURBINES  
16 Casings, Rotors, Blading, Bearings & Thrusts -  
17 EXHAUST STEAM TURBINES (WITH RECIP. ENGINES) -  
18 STEAM COMPRESSORS -  
19 CLUTCHES & HYDRAULIC COUPLINGS -  
20 REDUCTION GEARING -  
21 THRUST BLOCKS, SHAFTS & BEARINGS good  
22 INTERMEDIATE SHAFTS & BEARINGS good  
23 HOLDING DOWN BOLTS & CHOCKS good  
24 CONDENSERS (MAIN & AUX.) -  
25 FRAM RE-HEATERS -  
26 RE-SUPERHEATERS -  
27 STOP & MANOEUVRING VALVES -  
28 MAIN ENGINE DRIVEN PUMPS 2 seawater-cooling pumps & 1 gear-type lub. oil pump = good  
29 CRANKCASE DOORS & EXPLOSION RELIEF DEVICES good Have Main Engines been tested working and manoeuvring? Yes

## OPINION OF MACHINERY AND RECOMMENDATIONS

The Machinery of this vessel, as now seen, is in efficient condition and eligible, in my opinion, to remain as non classed, with fresh record of LMC 9.55, and the notation CL 9.55, when the propeller, now fitted, has been changed for one of an approved type.

FRIDAY 25 NOV 1955

Signature of Committee

Signature

See Kel 1375

Rob. H. Leopold  
Engineer Surveyor to Lloyd's Register of Shipping

If certificate is required state where to be sent



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Foundation



32 Essential Independent Pumps (Identify by position) Port = 1 ballast pump, 1 bilge pump, 1 F.O. transfer pump, 1 standby gear-type lub. oil pump; - Stbd. = 1 aux. seawater cooling pump: all good

33 Bilge, Ballast & Oil Fuel Suction Lines, Fittings & Controls good

34 Have the remaining Piping Arrangements & Fittings in the machinery space been examined as considered necessary? Yes

35 Fresh Water Coolers

36 Lub. Oil Coolers press. tested = good 37 Heaters (state service)

38 Independent Air Compressors, Coolers & Safety Devices 2 = good; intercoolers pressure tested.

39 Air Receivers & Safety devices—Main 6 = good

40 Auxiliary 1 = good

41 Oil Fuel Tanks (Not forming part of hull structure)

42 Evaporators coils press. tested = good

43 Have Evaporator Safety Valves been tested under steam? unclosed type

44 Steering Machinery

45 Windlass

46 Fire Extinguishing Arrangements good

AUXILIARY ENGINES (Identify by position)

1 stbd fwd (4 cyl.) = good

1 " aft (4 cyl.) = good

1 " upper (2 cyl.) = good

#### ELECTRICAL EQUIPMENT

PROPULSION

PORT

STARBOARD

AUXILIARY EQUIPMENT

a Generators

i Generators & Governors good

b Exciters

m Motors good

c Air Coolers

n Switchboards & Fittings good

d Motors

o Circuit Breakers good

e Air Coolers

p Cables good

f Control Gear, Cables, etc.

q Insulation Resistance good

g Insulation Resistance

r Steaming Gear Generators and Motors

h Insulating Oil Test

s Navigation Light Indicators good

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

AUXILIARY, DONKEY or PRESS

Superheaters

Safety Valves

Mountings, Doors & Fastenings

Safety Valves Adjusted to Sat.

Spt.

Boiler Securing Arrangements

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?

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)

A complete Machinery Survey has been carried out; see also letter Class. (H), dated 6.9.55. Repairs:- Fwd. aux. diesel engine:- Crack in the aft end of entablature, now satisfactorily repaired by Metalock system; afterwards cooling water space hydr. tested and found tight.

Upper aux. diesel engine:- bucket of attached circulator pump worn, now renewed.

Fwd. generator:- 1 main & 1 aux. core with coils burnt, now renewed and after repairs tested to Rule Requirements and found satisfactory.

Main engine:- Guides of all inlet and exhaust valves renewed.

Propeller:- A new propeller of a stronger design fitted, but not approved and not in accordance to Rule Requirements. It was stated by the Owner's Superintendent, that a new propeller of an approved type will be fitted at vessel's arrival in Kiel; the Kiel Surveyors have been advised accordingly.

Note:- It is recommended to enter the following item in the S.R.L.: "Propeller of approved design to be fitted at earliest opportunity".

The new propeller, to be fitted at vessel's arrival in Kiel, was manufactured at Messrs. Ostermann & Co., Köln, and inspected by our Düsseldorf Surveyor (see Dis. Certs. 7938-40).

LEAVE THIS SPACE BLANK

Survey fees

Mch.:- DM 330.-

120

T.S.:- DM 60.-

Ed. Equ.:- DM 150.-

72.60

Damage fee

Expenses...

DM 120.-

Date when A/c rendered

26<sup>th</sup> October 1955