

## REPORT ON BOILERS.

No. 828c.

Received at London Office 22 FEB 1926

Date of writing Report 16th Feb 1926 When handed in at Local Office 19 Port of Årmin

No. in Survey held at Wernmünde (4) & (2) Date, First Survey 30th Sept Last Survey 9th Feb. 1926

Reg. Book. on the Steel single screw steamer "GYLLIR" (Number of Visits 7) Gross Tons 365 Net Tons 127

Master Built at Wernmünde (2) By whom built Schiff. Gm. Unterwies A.G. When built 1926

Engines made at Wernmünde (4) By whom made G. Lubcke A.G. When made 1925/26

Boilers made at - " - By whom made - " - When made 1925/26

Registered Horse Power Owners K. F. Skjerve Port belonging to Aufgavik

## MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

(Letter for record 5) Total Heating Surface of Boilers 2045. #6. 190 sq. meters Is forced draft fitted no No. and Description of Boilers one cylindrical multitubular Working Pressure 14 kg. Tested by hydraulic pressure to 24.5 kg. Date of test 23.12.25

No. of Certificate 125 Can each boiler be worked separately ✓ Area of fire grate in each boiler 5.4 sq. m. No. and Description of safety valves to each boiler 2 - spring loaded Area of each valve 50.26 sq. cm. Pressure to which they are adjusted 14 kg.

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓

Smallest distance between boilers or uptakes and bunkers or woodwork 300 mm. Mean dia. of boilers 4250 mm Length 3372 mm.

Material of shell plates Steel Thickness 30.5 mm. Range of tensile strength 47-54 kg. Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams double long. seams double Diameter of rivet holes in long. seams 35 mm. Pitch of rivets 224 mm.

Lap of plates or width of butt straps 560 mm. Per centages of strength of longitudinal joint rivets 108 Working pressure of shell by rules 14.4 kg. Size of manhole in shell 300 x 400 mm Size of compensating ring 770 x 870 x 30.5 mm No. and Description of Furnaces in each boiler 3 - Morion Material steel Outside diameter 1100 mm Length of plain part top ✓ Thickness of plates crown 15 mm. bottom ✓

Description of longitudinal joint welded No. of strengthening rings ✓ Working pressure of furnace by the rules 14 kg. Combustion chamber plates: Material steel Thickness: Sides 14 mm Back 15 mm. Top 14 mm Bottom 19 mm Pitch of stays to ditto: Sides 180 x 180 Back 210 x 170 mm

Top 180 x 180 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 16.3 kg. Material of stays steel Area at smallest part 457 mm<sup>2</sup> Area supported by each stay 3690 mm<sup>2</sup> Working pressure by rules 15.2 kg. End plates in steam space: Material steel Thickness 26 mm

Pitch of stays 410 x 365 How are stays secured nuts and washers Working pressure by rules 14.6 kg. Material of stays steel Area at smallest part 3019 mm<sup>2</sup>

Area supported by each stay 49650 mm<sup>2</sup> Working pressure by rules 17 kg. Material of Front plates at bottom steel Thickness 27.5 Material of Lower back plate steel Thickness 24.5 Greatest pitch of stays 420 x 205 mm Working pressure of plate by rules 17.5 kg. Diameter of tubes 83 mm

Pitch of tubes 110 x 110 mm Material of tube plates steel Thickness: Front 27.5 mm Back 21 mm Mean pitch of stays 330 x 220 mm Pitch across wide water spaces 370 mm Working pressures by rules 14.4 kg. Girders to Chamber tops: Material steel Depth and thickness of girder at centre 230 x 2 x 13 Length as per rule 770 mm Distance apart 180 mm. Number and pitch of Stays in each 3 - 180 mm

Working pressure by rules 14 kg. Steam dome: description of joint to shell double riveted % of strength of joint 85

Diameter 200 mm Thickness of shell plates 13 mm Material steel Description of longitudinal joint double riveted Diam. of rivet holes 23 mm

Pitch of rivets 75 mm Working pressure of shell by rules 22 kg. Crown plates dished Thickness 17 mm How stayed ✓

SUPERHEATER. Type Schmidt Date of Approval of Plan 1/5/25 Tested by Hydraulic Pressure to 50 kg/cm<sup>2</sup>

Date of Test 29/10/25 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler yes

Diameter of Safety Valve 50 mm. Pressure to which each is adjusted 14 kg. Is Easing Gear fitted yes

The foregoing is a correct description,

G. SEEBECK A. G.

Schiffswerft, Maschinenfabrik und

Hafen-Trockendocks, Kopenhagen

Dates of Survey } During progress of } 1925:- 30/9, 29/10, 25/11, 12/12, 22/12  
work in shops - - }  
while } During erection on } 1926:- 20/1, 9/2  
building } board vessel - - }

Is the approved plan of boiler forwarded herewith

Total No. of visits

7

## GENERAL REMARKS (State quality of workmanship, opinions as to class, &amp;c.)

Please see Report on Machinery.

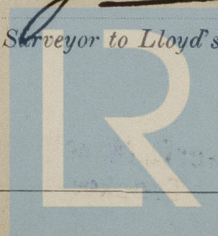
Survey Fee ... £ see Report When applied for, ✓ 19...

Travelling Expenses (if any) £ Machinery When received, ✓ 19...

Committee's Minute TUES, 23 FEB 1926

Assigned See Rpt. attached.

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
Foundation

004621-004629-0234