

REPORT ON BOILERS.

No. 54086

21-12-33

Received at London Office

Date of writing Report 21-12- to 23 When handed in at Local Office 25-12- 1933 Port of Glasgow
 No. in Survey held at Annan - Odense Date, First Survey 10-11-33 Last Survey 20-12- 1933
 Reg. Book. H1775 on the Steamship "TARONGA" (Number of Visits 7) Tons { Gross 7002.76
 Net 4245.47
 Master Will. Withelmussen Built at Odense By whom built Odense Staalskibsvaerk When built 1934
 Boilers made at Will. Withelmussen By whom made Will. Withelmussen When made 1934
 Owners Will. Withelmussen Port belonging to Toustrup

VERTICAL DONKEY BOILER— No. 12672 Description Cochran Manufacturers of steel Steel Co. of S. Land
 Made at Annan By whom made Cochran & Co. Annan When made 1923 Where fixed on a platform in the aft Working pressure 100
 tested by hydraulic pressure to 200 Date of test 20-12-33 No. of Certificate 19312 Fire grate area 4 Description of safety valves direct spring valves
 No. of safety valves 2 Area of each 3.57 sq. ft. Pressure to which they are adjusted 100 lbs. If fitted with casing gear yes If steam from main boilers can
 enter the donkey boiler yes Diameter of donkey boiler 5'-6" Length 14'-6" Material of shell plates 8 Thickness 9/16" - 7/16"
 Range of tensile strength 26-32 Description of riveting long. seams A.R.L. Diameter of rivet holes 25/32" Whether punched or
 drilled drilled Pitch of rivets 2'-5"-2'-6"-2'-6" Lap of plating 3 7/8" Per centage of strength of joint 66.8 Working pressure of shell by
 rules 117 Thickness of shell crown plates 13/32" - 1/2" Radius of do. 2'-9" No. of stays to do. none Diameter of stays 1 1/2"
 furnace—Top hemispherical Bottom 4'-9" Length of furnace 14'-8" Thickness of furnace side plates 1 1/2" Description of joint none Working
 pressure of furnace by rules 144.8 Thickness of Ogee ring 1 1/2" Working pressure of Ogee ring by rules 104 Thickness of furnace
 crown plates 1/2" Radius of do. 2'-4 1/2" Stayed by hemispherical Diameter of uptake 13" x 19 1/2" Thickness of uptake
 plates 1/2" Thickness of tube plates 13/16" Mean pitch of stay tubes in nest 6' 10", 0.7-5' Pitch in outer vertical rows 7 1/2" - 4 3/4"
 Diameter of tube holes FRONT stay 0 1 1/2" BACK stay 0 1 1/2" Working pressure of tube plates by rules D.F. 104 B. 133 Tubes: Material Steel
0 1 1/2" plain 0 1 1/2" BACK 0 1 1/2" plain 0 1 1/2" Working pressure of tube plates by rules G.F. 108 B. 146
 External diameter 0 1 1/2" Thickness 0 1 1/2" No. of threads per inch 9 Pitch of tubes 0.23" x 232, 0.34" x 3 1/2"
 Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating
 ring 28 x 24 x 1/16" No. of rivets and diameter of rivet holes 36 - 25/32" Outer row pitch at ends 3 5/8"

The foregoing is a correct description, Will. Withelmussen

Manufacturer.

Dates of Survey while building
 During progress of work in shops— 1933 Nov. 10-17-20 Dec. 1-8-12-20
 During erection on board vessel— 24 1/2 1/4 1/2 27 1/3 24 1/4 75 575 1934
 Total No. of visits 7

Drawing No. E 30743Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey in accordance with the approved plan and the Society's Rules and requirements, the materials and workmanship are good.

The boiler is for Odense Staalskibsvaerk, Odense

This boiler has been fitted on board the vessel in accordance with the Society's Rules and after completion the boiler has been examined under steam and found to work satisfactorily and the safety valves adjusted under steam to 100 lbs. p. sq. inch. For feeding purposes a duplex feed pump, 4 1/2" x 2 3/4" x 4" and a feed injector are fitted.

Recommend the vessel to have installation of D.B. 100 LB. in the Ry. Dock.

Survey Fee ... £ 44 : 4 : 0 When applied for 19
 Travelling Expenses (if any) £ : : When received 19

Committee's Minute

Assigned Not for Evening Committee

Engineer Surveyor to Lloyd's Register of Shipping.



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