

REPORT ON BOILERS.

No. 7722

17 SEP 1928

15-9-1928

Received at London Office 14 MAR 1928

Date of writing Report 15-9-28 When handed in at Local Office 12-3-28 19

Port of Glasgow & Malmö

No. in Survey held at Annan & Malmö

Reg. Book. Suppl. 91568 on the BOILER No 10283 fitted onboard the 1/5 "POLLUX"

Date, First Survey 2-12-27 Last Survey 9/3/1928

(Number of Visits 10 5)

Gross 8741.23

Net 4874.40

Master Built at Malmö By whom built Kockums M.V. Akkies When built 1928

Boilers made at Annan By whom made Messrs Cochran & Co Annan Ltd When made 1928

Owners Trelleborgs Ångfartygs Nya Akkies Port belonging to Trelleborg.

VERTICAL DONKEY BOILER— No. ONE Description VERTICAL Manufacturers of steel D. Gohelle & Sons, Ltd.

Made at Annan By whom made Cochran & Co Annan Ltd When made 1928 Where fixed on a platform at after end of 100 lb.

tested by hydraulic pressure to 200 lb Date of test 9/3/28 No. of Certificate 7804 Fire grate area 75 sq ft Description of safety valves Direct spring load.

No. of safety valves 2 Diam of each 1 1/2 Pressure to which they are adjusted 104 lb If fitted with easing gear No If steam from main boilers can enter the donkey boiler No Diameter of donkey boiler 3'-9" Length 10'-0" Material of shell plates Steel Thickness 3/8", 1/2", 3/8"

Range of tensile strength 28/32 Tons Description of riveting long. seams S.R. Lap Diameter of rivet holes 2 3/32" Whether punched or drilled Drilled Pitch of rivets 2 1/4", 2 23/32", 2 29/32" Lap of plating 3 3/4" Per centage of strength of joint Rivets 777 Working pressure of shell by plates 664

rules 142.5 lb Thickness of shell crown plates 1/2" Radius of do. 3'-2" No. of stays to do. Diameter of stays Diameter of furnace—Top 3'-0" Bottom 3'-3 1/8" Length of furnace 2'-10 1/8" Thickness of furnace side plates 1/2" Description of joint S.R. Lap Working pressure of furnace by rules 100 lb 203.9 lb Thickness of Ogee ring Working pressure of Ogee ring by rules Thickness of furnace crown plates 1/2" Radius of do. 23" Stayed by Hemispherical Diameter of uptake 8 1/2" x 13 1/4" Thickness of uptake plates 1/2" Thickness of tube plates front 1/2" back 1/2" Mean pitch of stay tubes in nest 9.37" Pitch in outer vertical rows 7 1/8"

Diameter of tube holes FRONT stay 2 1/2" plain 2 1/2" BACK stay 2 1/2" plain 2 1/2" Working pressure of tube plates by rules 111.6 lb 124.2 lb Tubes: Material Best Iron

External diameter stay 2 1/2" plain 2 1/2" Thickness stay 1/2" plain 1 1/2" No. of threads per inch 9 Pitch of tubes 3 1/2" x 3 1/8"

Working pressure by rules 125 lb Manhole compensation: Size of opening in shell plate 14" x 10" Section of compensating ring 9" x 1 1/8" No. of rivets and diameter of rivet holes 32 @ 7 1/2" Outer row pitch at ends 3 1/2"

The foregoing is a correct description,
For COCHRAN & CO., ANNAN, LIMITED
J.E. Woodham Manufacturer.

Dates of Survey while building During progress of work in shops 1927 Dec 2-9-16-20-23 (1928) Jan 6-20 Feb 3-10 Mar 9

During erection on board vessel 1928, 10, 15, 18, 30/8, 3/9

Total No. of visits 10 + 5

Drawing No. 15754 M.

Is 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 survey in accordance with the Rules and approved plan

Materials & workmanship Good.

This boiler is to the order of Messrs Kockums, M.V. Akkies & intended for then ship No 156 1/5 "POLLUX"

This donkey boiler, which is oil fired, has been installed onboard under my supervision and to my satisfaction and all the Rule requirements have been complied with

One feed pump 75x60x75 mm dbl. and one injector are fitted

Survey Fee ... £ 4 : 4 : When applied for 19

Travelling Expenses (if any) £ : : When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 13 MAR 1928

Assigned TRANSMIT TO LONDON

A. Dundee
A. Campbell
Engineer Surveyor to Lloyd's Register of Shipping.
FRI. 28 SEP 1928
See Memo. J.B. Ch. H. Co. 547 attached

Lloyd's Register Foundation

002109-002118-0209