

RECEIVED
1 MAY 1950

D.O.

REPORT ON BOILERS.

No. 5469

11 MAY 1950

Date of writing Report 1/4 1950 When handed in at Local Office 6.5.50 Port of GLASGOW
No. in Survey held at Annan Date, First Survey 22.9.50 Last Survey 25.9.50
Reg. Book on the H.V. "LEENDERT B" (Number of Visits 29)
Built at Heusden By whom built De Haan & Ockelmanns Yard No. 259 When built 1951
Boilers made at Annan By whom made Cochran & Co., Annan Ltd Boiler No. 18541 When made 1950
Owners Gebr. Broers N.V. Port belonging to Dordrecht.

VERTICAL DONKEY BOILER— No. One Description Cochran Manufacturers of steel Colvilles Ltd.,
Made at Annan By whom made Cochran & Co., Annan Ltd When made 1949 Where fixed Heusden Working pressure 100 lb./sq. in.
tested by hydraulic pressure to 200 lb./sq. in. Date of test 25.4.50 No. of Certificate 23073 Fire grate area 0.6 Description of safety valves double spring
No. of safety valves 2 Area of each 4.0 Pressure to which they are adjusted 100 lb./sq. in. If fitted with easing gear yes If steam from main boilers can enter the donkey boiler
Diameter of donkey boiler 7'-0" Length 15'-0" Material of shell plates steel Thickness 9/16" 11/16"
Range of tensile strength 28/32 Description of riveting long. seams D.R. Lap Diameter of rivet holes 29/32" Whether punched or drilled drilled Pitch of rivets 2.71" & 2.66" Lap of plating 4 1/2" Per centage of strength of joint 69.5
rules 121.7 lb./sq. in. Thickness of shell crown plates 1/2" 29/32 Radius of do. 3'-6" No. of stays to do. none Diameter of stays - Diameter of furnace Top - Bottom 6'-0" Length of furnace - Thickness of furnace side plates 17/32" Description of joint seamless Working pressure of furnace by rules 122 lb./sq. in. Thickness of Ogee ring 29/32" Working pressure of Ogee ring by rules 109 lb./sq. in. Thickness of furnace crown plates 17/32" Radius of do. 3'-0" Stayed by hemisphere Diameter of uptake 16" x 20" Thickness of uptake plates 1/2" Thickness of tube plates 27/32" Mean pitch of stay tubes in nest as appd. Pitch in outer vertical rows 8"
Diameter of tube holes FRONT 2.11/16" BACK 2 1/2" Working pressure of tube plates by rules F. 106 lb./sq. in. Tubes: Material S.D. Steel
plain 2.9/16" plain 2 1/2"
External diameter stay 2 1/2" Thickness stay 11/32" No. of threads per inch 9 Pitch of Tubes 3 3/4" x 4"
plain 2 1/2" plain 10 LSG
Working pressure by rules 175 lb./sq. in. Vanhole compensation; Size of opening in shell plate 21" x 17" Section of compensating ring 7 1/2" x 1" No. of rivets and diameter of rivet holes 40 @ 29/32" Outer row pitch at ends 4.106

The foregoing is a correct description,

for COCHRAN & CO., ANNAN, LTD.

Manufacturer.

Dates of Survey while building During progress of work in shops 1949 Sep. 22, 29 Oct. 6-13, 20-27 Nov. 3-10, 16-24 Dec. 18-19, 22-29 1950 Jan. 17-24 Drawing No. 34391
During erection on board vessel 24/1 - 13/3 '51
Total No. of visits Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.)

This boiler has been constructed under Special Survey in accordance with the Society's Rules and the approved plans. Materials and workmanship are good.

The boiler has been constructed to the order of De Haan & Ockelmanns Heusden for ship No 254.

The boiler has been satisfactorily fitted in the above vessel, safety valves adjusted to the WP under steam pressures 6.8 & 8.4 m.

J. Williams

Survey Fee £ 10 : - : - MONTHLY ACCOUNT
Travelling Expenses (if any) £ : : : When applied for 19
When received 19

Committee's Minute GLASGOW 10 MAY 1950

Assigned

Deferred for comp. See R.F. mchly rpt

Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register

011737-011746-0176