

18 FEB 1929

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# REPORT ON BOILERS.

No. 48546

Received at London Office 31 OCT 1928

Port of Glasgow.

Date, First Survey 13th April Last Survey 23rd Oct 1928

No. in Survey held at Annan

Boiler No. 10843 Single L. Motor Tank vessel "BEAUMONT"

Builder Odense By whom built Odense Staalskibsværft When built 1928-9

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

Owners Skibskreditstiftelsen Beaumont Port belonging to Oslo.

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel L. Colville & Sons

Made at Annan By whom made Cochran & Co Annan When made 1928 Where fixed on a platform aft in the motor room. Working pressure 150 lb.

Tested by hydraulic pressure to 275 lb. Date of test 23-10-28 No. of Certificate 18087 Fire grate area 16.75 sq. ft. Description of safety valves Enclaved Spring

No. of safety valves Two Area of each 3.14 sq. ft. Pressure to which they are adjusted 150 lbs. If fitted with easing gear yes If steam from main boilers can enter the donkey boiler No. Diameter of donkey boiler 5'-6" Length 14'-3" Material of shell plates Steel Thickness 9/16", 2 1/32", 9/16"

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 1/8", 2 7/8", 2 1/2" Lap of plating 4 1/2" Percentage of strength of joint 70.4 Working pressure of shell by plates 65.9

Thickness of shell crown plates 5 3/64", 1 7/32" Radius of do. 2'-9" No. of stays to do. ✓ Diameter of stays ✓ Diameter of furnace—Top ✓ Bottom 4'-9" Length of furnace 3'-4 3/8" Thickness of furnace side plates ✓ Description of joint ✓ Working pressure of furnace by rules 183.2 lb. Thickness of Ogee ring 53/64" Working pressure of Ogee ring by rules 153.2 lb. Thickness of furnace crown plates 5/8" Radius of do. 2'-4 1/2" Stayed by Hemispheres Diameter of uptake 13' x 9 1/2" Thickness of uptake plates 9/16" Thickness of tube plates front 1" Mean pitch of stay tubes in nest 10 1/2" Pitch in outer vertical rows 8"

Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F. 150.5 lb. B. 158.0 lb. Tubes: Material Wrought iron

External diameter stay 2 1/2" plain 2 1/2" Thickness stay 1 1/32" plain 10 L.S.G. No. of threads per inch 9 Pitch of tubes 3 1/2" x 4"

Working pressure by rules 175 lb. Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating 6' x 27/32" No. of rivets and diameter of rivet holes 36 off 25/32" Outer row pitch at ends 3 5/8"

The foregoing is a correct description.

For COCHRAN & CO., ANNAN, LIMITED Manufacturer. W.C. Woodham

Dates { During progress of work in shops— 1928. Apr. 13. Oct 4 23  
Survey while building { During erection on board vessel —  
Total No. of visits 3

Drawing No. 16737

Copy of 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

The materials and workmanship are good  
This boiler is to the Odense Staalskibsværft. Odense and intended for installation in vessel being built at Odense, their number being N.S. 31.

The donkey boiler has been fitted in board the vessel under my supervision and to my satisfaction.  
It is placed at the starboard side of the horizontal donkey boiler on the platform aft in the motor room, and 2 feed pumps, respectively 150-100-150 gpm and 135-100-125 gpm, duplex, are fitted to supply both boilers with feed water.

The donkey boiler is fitted for oil burning.

Recommend the vessel to have notation of 2 DB 150 lbs. in the Register Book.

Survey Fee ... £ 4-4-0: When applied for ... 19

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

MONTHLY ACCOUNT

SURVEYOR TO LLOYD'S REGISTER OF SHIPPING

G. E. Murdoch

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 30 OCT 1928

FRI. 22 FEB 1929

Assigned TRANSMIT TO LONDON

See Minute on Cpm. Rpt 7881 attached

Lloyd's Register Foundation

002435-002441-0149