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JUL 27 1939

REPORT ON BOILERS.

No. 60853

Received at London Office MAR 22 1939

Port of Glasgow

When handed in at Local Office 20:3:39

No. in Survey held at Annan Date, First Survey 13:12:38 Last Survey 9-3-1939

Reg. Book. on the screw motor tanker "MILDRED" (Number of Visits 12) Tons {Gross Net

Master Alblasserdam Built at Alblasserdam By whom built N.V. Industriële Maats. De Noord When built 1939

Boilers made at Annan By whom made Coehran & Co Annan Ltd (No: 14363) When made 1939

Owners N.V. Tank Rustvaart Mij. Port belonging to Rotterdam

VERTICAL DONKEY BOILER - No One Description Coehran Manufacturers of steel Coehles Ltd

Made at Annan Scotland By whom made Coehran & Co Annan Ltd When made 1939 Where fixed Working pressure 145

Tested by hydraulic pressure to 268 Date of test 9-3-39 No. of Certificate 20358 Fire grate area 11.2 Description of safety valves enclosed spring

No. of safety valves 2 Area of each 4.9 Pressure to which they are adjusted 145 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 S Thickness 13/16 29/32

Range of tensile strength 28-32 tons Description of riveting long seams DR Lap Diameter of rivet holes 1 3/16 Whether punched or drilled drilled Pitch of rivets 3-25" 3-28" 3-20" Lap of plating 5 3/4" Per centage of strength of joint Rivets 65F Plates 63 Working pressure of shell by rules 173 Thickness of shell crown plates 3/4 1 1/16 Radius of do. 3'-6" No. of stays to do. Diameter of stays Diameter of furnace—Top Bottom 6'-0" Length of furnace Thickness of furnace side plates 23/32 Description of joint seamless Working pressure of furnace by rules 168 Thickness of Ogee ring 1 1/16 Working pressure of Ogee ring by rules 151 Thickness of furnace crown plates 23/32 Radius of do. 3'-0" Stayed by hemisphere Diameter of uptake 15" x 23" Thickness of uptake plates 9/16 Thickness of tube plates front 1 3/16 back 1 5/16 Mean pitch of stay tubes in nest 10-77" Pitch in outer vertical rows 8"

Diameter of tube holes FRONT 2 1/16 BACK 2 1/16 Working pressure of tube plates by rules F154 B171 Tubes: Material steel

External diameter stay 2 1/2 plain 2 1/16 Thickness stay 1/32 plain 10LSS No. of threads per inch 9 Pitch of tubes 3 3/4 x 4

Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating 2'-5" dia x 19/16 No. of rivets and diameter of rivet holes 36 @ 1 3/16 Outer row pitch at ends 3.97"

FOR COCHRAN & CO. ANNAN LTD.
The foregoing is a correct description,
E. Rex Manufacturer.
WORKS MANAGER.

Dates During progress of work in shops - 1938 Dec: 13-22 (1939) Jan: 6-12-18-25-31 Feb: 9-16-24-28 Drawing No. 23525

Survey while building During erection on board vessel - Mar: 9

Total No. of visits 12 Is the approved plan of boiler forwarded herewith yes

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

The materials and workmanship are good.

The boiler has been constructed under special survey

The boiler is being shipped to Rotterdam to be fitted in the vessel

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

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

MONTHLY ACCOUNT

S. H. Davis
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute **GLASGOW 21 MAR 1939**

Assigned **TRANSMIT TO LONDON**

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