

REPORT ON BOILERS.

No. 73608

Date of writing Report 19... When handed in at Local Office 7-2-1949. Port of GLASGOW. Received at London Office - 9 FEB 1949

No. in Survey held at Carfin. Date, First Survey 20-10-48 Last Survey 25-1-1949. (Number of Visits 5) Gross 1722 Tons Net 781

Req. Book 7049 on the T.W. Sc. MV "BALTIC COAST".

Yard No. 404 Built at Ardrossan By whom built Ardrossan Dockyard Co., Ltd. When built 1948. 6

Boilers made at Carfin By whom made Messrs Alex. Anderson & Sons Ltd. 4090. When made 1948.

Owners. Port belonging to Liverpool.

VERTICAL DONKEY BOILER No. 1 Description Vertical W.T. Manufacturers of steel Messrs. Colvilles Ltd.

Made at Carfin. By whom made Messrs. A. Anderson & Sons Ltd. 1948. Where fixed Working pressure 120

Tested by hydraulic pressure to 230 Date of test 10/12/48 No. of Certificate 22796 Fire grate area 7.0 Description of safety valves 1 - 1 1/2" Double

No. of safety valves 2 Area of each 1.76 sq. in. Pressure to which they are adjusted - If fitted with easing gear - If steam from main boilers can enter the donkey boiler

Diameter of donkey boiler 3' 6" Height 8' 6" Material of shell plates Steel Thickness 3/8".

Range of tensile strength 28/32 Description of riveting long. seams D.R. lap. Diameter of rivet holes 13/16" Whether punched or drilled drilled Pitch of rivets 2 1/2" Lap of plating 4 1/2" Per centage of strength of joint Plates 67.5 Working pressure of shell by rules - Thickness of shell crown plates 1/2" Radius of do. 3' 6" No. of stays to do. none Diameter of stays - Diameter of connecting drum. Class 1

Pressure of furnace by rules - Thickness of Ogee ring 1/2" Working pressure of Ogee ring by rules - Thickness of furnace crown plates 3/8" Radius of do. 18" Stayed by Hemispherical Diameter of uptake 9 1/2" Thickness of uptake plates 7/16" Thickness of tube plates 9/16" Mean pitch of stay tubes in nest see plan. Pitch in outer vertical rows 9 1/2" (5 3/8")

Diameter of tube holes FRONT BACK Working pressure of tube plates by rules - Tubes: Material S.D. steel.

Thick 2" plain 5/16" stay 9 wg. No. of threads per inch 9 Pitch of Tubes Various, see plan.

Working pressure by rules - Manhole compensation; Size of opening in shell plate 15" x 11" Section of compensating ring 5 1/4" x 1 1/2" No. of rivets and diameter of rivet holes 40 - 13/16" Outer row pitch at ends 4" 3/4"

The foregoing is a correct description,
ALEX. ANDERSON & SONS LTD. Manufacturer.

Dates During progress of work in shops 1948. Oct. 20 - Nov. 11 - Dec. 2 - 10 - 1949 Jan. 25. Drawing No. W.T./5.

Survey while building During erection on board vessel - - -

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. The materials and workmanship are good.

The boiler was made to the order of Messrs. Ardrossan Dockyard & Co., Ltd., and intended for their No. 404.

Survey Fee ... £ 10 : - : - When applied for - 8 FEB 1949

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

Committee's Minute GLASGOW 8 - FEB 1949 JHC

Assigned Defered for completion.