

## REPORT ON BOILERS.

No. 50769  
27 SEP 1930

Date of writing Report 19 When handed in at Local Office 23/8/30 Port of GLASGOW  
 No. in Survey held at Annan Date, First Survey 1.8.30 Last Survey 22<sup>nd</sup> August 1930  
 Reg. Book. Boiler N<sup>o</sup> 11799 M/T "PEIK" (Number of Visits ) Gross 6099  
 on the Tons Net 3592  
 Master Built at WALKER By whom built Sir W. G. Armstrong Whitworth & Co. Ltd. When built 1930  
 Boilers made at Annan By whom made Messrs. Cochran & Co. Annan L<sup>td</sup> Annan When made 1930  
 Owners J. W. Salvesen. Port belonging to

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel D. Galville & Sons L<sup>td</sup>  
 Made at Annan By whom made Cochran & Co. Annan L<sup>td</sup> When made 1930 Where fixed E. R. Flat Spar Working pressure 180  
 tested by hydraulic pressure to 320 Date of test 22-8-30 No. of Certificate 18803 Fire grate area 16.75<sup>sq</sup> Description of safety valves Enclosed spring  
 No. of safety valves 2 Area of each 3.14<sup>sq</sup> Pressure to which they are adjusted 180 Lbs/psi fitted with easing gear Yes If steam from main boilers can  
 enter the donkey boiler Diameter of donkey boiler 5'-6" Length 14'-0" Material of shell plates Steel Thickness 1/16" 13/16" 1/16"  
 Range of tensile strength 28-32 Description of riveting long. seams D. R. Lap Diameter of rivet holes 1/32" Whether punched or  
 drilled drilled Pitch of rivets 2.487" 3.106" 3.125" Lap of plating 5" Per centage of strength of joint Rivets 63.8 Working pressure of shell by  
 rules 186.8 Thickness of shell crown plates 29/32" 2/32" Radius of do. 2'-9" No. of stays to do. Diameter of stays Diameter of  
 furnace—Top Bottom 4'-9" Length of furnace Thickness of furnace side plates Description of joint Working  
 pressure of furnace by rules 201.2 Thickness of Ogee ring 29/32" Working pressure of Ogee ring by rules 184.9 Thickness of furnace  
 crown plates 1/16" Radius of do. 2'-4 1/2" Stayed by Hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake  
 plates 9/16" Thickness of tube plates front 1/16" back 7/8" Mean pitch of stay tubes in nest 8.06" Pitch in outer vertical rows 7 1/8"  
 Diameter of tube holes FRONT stay 2 3/16" BACK stay 1 1/2" Working pressure of tube plates by rules 13.199 Tubes: Material West Iron  
 External diameter stay 2" plain 2 1/16" Thickness stay 1/32" plain 10.154 No. of threads per inch 9 Pitch of tubes 3" x 3 9/16"  
 Working pressure by rules 215 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating  
 ring 6 1/2" x 1 3/32" No. of rivets and diameter of rivet holes 36 off. 1/32" Outer row pitch at ends 3 5/8"

The foregoing is a correct description. W. G. G.

Walter Beattie Manufacturer.  
Works Manager.

Dates of Survey while building  
 During progress of work in shops 1930. Aug 1.8.15.18.22.  
 During erection on board vessel - - -  
 Total No. of visits 5.

Drawing No. 17671

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 plans.

The materials and Workmanship are good.

This boiler has been built to the order of Messrs Armstrong Whitworth & Co. and is intended for their N<sup>o</sup> 5/M.E. 90.This boiler has now been satisfactorily fitted on board the M/T "PEIK",  
 examined under steam and safety valves adjusted to 180 Lbs/psi  
 Washers P.V. 27/64" S.V. 25/64".

Survey Fee ... £ 4 : 4 : When applied for 19  
 Travelling Expenses (if any) £ : : When received 19

MONTHLY ACCOUNT

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 26 AUG 1930

Assigned TRANSMIT TO LONDON

See Nov. 26 1930 Lloyd's Register  
Foundation