

REPORT ON BOILERS.

No. 18490.

Received at London Office

30 DEC 1925

Date of writing Report 15. 12. 1925 When handed in at Local Office 25. 12. 1925 Port of Greenock
 No. in Survey held at Greenock Date, First Survey 11th March 1925 Last Survey 21st December 1925
 Reg. Book. on the T/S M/V "A. Philpines" (Number of Visits 6) Gross Tons }
 Master Built at Middlesbrough By whom built Greenock S.C. (85) When built 1926
 Engines made at Greenock By whom made John & Kincaid C. (88) When made 1926
 Boilers made at ditto By whom made ditto (18) When made 1926
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS ~~MANUFACTURERS OF STEEL~~ Donkey Gutchoffnungskütte
 (Letter for record S) Total Heating Surface of Boilers 2441.9 Is forced draft fitted Artificial No. and Description of
 Boilers 2 Single Ended Working Pressure 180 Tested by hydraulic pressure to 320 Date of test 30.9.25
 No. of Certificate 1703 Can each boiler be worked separately Area of fire grate in each boiler Oil Fuel No. and Description of
 safety valves to each boiler Double Spring Area of each valve 4.98 Pressure to which they are adjusted 180 lbs
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes
 Smallest distance between boilers or uptakes and bunkers on woodwork 2'-0" Mean dia. of boilers 11'-3" Length 10'-6"
 Material of shell plates S Thickness 15/16 Range of tensile strength 28/32 Are the shell plates welded or flanged Yes
 Descrip. of riveting: cir. seams DR long. seams TR.DBS Diameter of rivet holes in long. seams 1" Pitch of rivets 4"
 width of butt straps 14 7/8 Per centages of strength of longitudinal joint rivets 92.4 Working pressure of shell by
 rules 182 Size of manhole in shell 16" x 12" Size of compensating ring 32 3/4 x 28 3/4 x 1 1/2 No. and Description of Furnaces in each
 boiler 2 Deighton Material S Outside diameter 3'-4 1/4" Length of plain part top Thickness of plates crown 15/32
 Description of longitudinal joint weld No. of strengthening rings Yes Working pressure of furnace by the rules 182 Combustion chamber
 plates: Material S Thickness: Sides 2 1/32 Back 2 1/32 Top 2 1/32 Bottom 2 1/32 Pitch of stays to ditto: Sides 10' x 8" Back 9' x 9 1/4"
 Top 8' x 10" If stays are fitted with nuts or riveted heads Yes Working pressure by rules 180 Material of stays S Area at
 smallest part 173.203 Area supported by each stay 83.25 Working pressure by rules 181 End plates in steam space: Material S Thickness 1 1/32
 Pitch of stays 16 1/2 x 16 1/2 How are stays secured Yes Working pressure by rules 181 Material of stays S Area at smallest part 4.67
 Area supported by each stay 272.2 Working pressure by rules 182 Material of Front plates at bottom S Thickness 1" Material of
 Lower back plate S Thickness 25/32 Greatest pitch of stays 13 3/4 Working pressure of plate by rules 181 Diameter of tubes 3"
 Pitch of tubes 4 1/4 x 4 3/16 Material of tube plates S Thickness: Front 1" Back 23/32 Mean pitch of stays 9.78 Pitch across wide
 water spaces 14" Working pressures by rules 187 Girders to Chamber tops: Material S Depth and thickness of
 girder at centre 8 1/4 x 3 1/4 (2) Length as per rule 2' 4.62 Distance apart 8 Number and pitch of Stays in each 2 at 10"
 Working pressure by rules 183 Steam dome: description of joint to shell % of strength of joint
 Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed
 Date of Approval of Plan Tested by Hydraulic Pressure to
 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 Date of Test Pressure to which each is adjusted Is Easing Gear fitted
 Diameter of Safety Valve

The foregoing is a correct description,
 FOR JOHN G. KINCAID & COY., LIMITED.
 Robert Greer Manufacturer.

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits

Dates of Survey During progress of work in shops --
 while building During erection on board vessel --
 See Machinery Report.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built under special survey in accordance with the approved plans & the workmanship & material are of good quality. They have now been shipped to Middlesbrough at which port they will be fitted on board. This Rept. accompanies that of the Machinery (of 116 & 118 Rept. 18413).

Survey Fee ... £20 : 6 : When applied for 25. 12. 1925.
 Travelling Expenses (if any) £10 : 0 : When received 25. 12. 1925.

Committee's Minute

GLASGOW 29 DEC 1925

Assigned

Deferred.

FRI. 26 FEB 1926

Engineer Surveyor to Lloyd's Register of Shipping.

W. Gordon-Mitchell & Co. Agents

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