

REPORT ON BOILERS.

No. 24840

Date of writing Report 16. 5. 1911 When handed in at Local Office 16. 5. 1911 Port of Sunderland
 Description of Safety No. in Survey held at Reg. Book. S.S. Sunderland
 on the S.S. Bohème
 Master Dobrilovich Built at Sunderland By whom built W. Doxford & Sons Ltd (10422)
 Engines made at Sunderland By whom made W. Doxford & Sons Ltd (10426) when made 1911
 Boilers made at Sunderland By whom made W. Doxford & Sons Ltd (10422) when made 1911
 Registered Horse Power Owners Suconich, Bmag & Harry & Sons Port belonging to Russimpiccolo

MULTITUBULAR BOILERS - MAIN.

(Letter for record S.) Total Heating Surface of Boiler 1562 sq ft Manufacturers of Steel Spencer & Sons.
 Boilers One single ended Is forced draft fitted No
 No. of Certificate 2981 Tested by hydraulic pressure to 360 lbs Date of test 20-3-11
 Can each boiler be worked separately Yes Area of fire grate in each boiler 38.9 sq ft No. and Description of
 safety valves to each boiler Two spring loaded Area of each valve 4.06 sq in Pressure to which they are adjusted 185 lbs
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Smallest distance between boilers or uptakes and bunkers or woodwork 18 in Mean dia. of boilers 12'-6" Length 10'-9"
 Material of shell plates Steel Thickness 1 3/8" Range of tensile strength 28-32 tons Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams D.R. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 1 1/8" Pitch of rivets 4 3/8"
 Top of plates or width of butt straps 16 3/8" Per centages of strength of longitudinal joint rivets 46.7 plate 85.6 Working pressure of shell by
 rules 182 lbs Size of manhole in end 16 x 12 Size of compensating ring dished No. and Description of Furnaces in each
 boiler Two Corrugated Material Steel Outside diameter 45 3/4" Length of plain part top Thickness of plates 35 bottom 64
 Description of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 185 lbs Combustion chamber
 plates: Material Steel Thickness: Sides 3/32" Back 1/16" Top 1/16" Bottom 3/32" Pitch of stays to ditto: Sides 8 x 10 Back 8 3/8 x 9 3/8
 Top 9 x 8 5/8 If stays are fitted with nuts or riveted heads Nuts Working pressure by rules 181 lbs Material of stays Steel
 26-14-11 Smallest part 1.48 Area supported by each stay 46.5 Working pressure by rules 181 lbs End plates in steam space: Material Steel Thickness 1 3/8"
 Pitch of stays 14 x 18 1/2 How are stays secured D.N. Wash Working pressure by rules 182 lbs Material of stays Steel Diameter at smallest part 2.54"
 Area supported by each stay 266 Working pressure by rules 198 lbs Material of Front plates at bottom Steel Thickness 1 3/8" Material of
 lower back plate Steel Thickness 1 3/8" Greatest pitch of stays 13" Working pressure of plate by rules 180.8 Diameter of tubes 3 1/4"
 Pitch of tubes 4 3/8 x 4 3/8 Material of tube plates Steel Thickness: Front 1 3/8" Back 1 3/8" Mean pitch of stays 13 1/2 x 9 Pitch across wide
 water spaces 13 1/2 Working pressures by rules 244 lbs Girders to Chamber tops: Material Steel Depth and thickness of
 girder at centre 8 1/4 x 1 1/2 Length as per rule 29 3/4 Distance apart 8 5/8 Number and pitch of Stays in each 20 x 9
 Working pressure by rules 204 Superheater or Steam chest: how connected to boiler None Can the superheater be shut off and the boiler worked
 separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 of stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

WILLIAM DOXFORD & SONS, Limited.

The foregoing is a correct description,

Dates During progress of work in shops - -
 Survey while building - -
 See Machinery report attached
 Is the approved plan of boiler forwarded herewith yes.
 Total No. of visits

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

This Boiler has been built under special survey the materials & workmanship are of good quality, it has been securely fitted on board & its safety valves adjusted (also see report on Machinery.)

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

Committee's Minute

Assigned

FEB. 23 MAY 1911

See minute on Sld Rpt 24840 attached

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.



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