

REPORT ON BOILERS.

No. 18582

Received at London Office 22 JUL 1928

Date of writing Report 19.6.26 When handed in at Local Office 16-7-26 Port of Greenock
 No. in Survey held at Port Glasgow Date, First Survey 4th May, 1925 Last Survey 15.7.1926
 Reg. Book. on the SS "ZVIR" (Number of Visits 67)
 Tons 15.7
 Gross 1926
 Net 1926
 Master Port Glasgow By whom built The Clyde S.B. & E.C. Ltd When built 1926
 Engines made at Port Glasgow By whom made The Clyde S.B. & E.C. Ltd When made 1926
 Boilers made at " By whom made " When made 1926
 NOMINAL Horse Power 468 Owners Prekomonska Plovidba Port belonging to Susak

MULTITUBULAR BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~—Manufacturers of Steel HENSCHKE & SONS, GUTENHOFFENSHUTTE, GERMANY
DAVID COLVILLE & SONS LTD

Letter for record S Total Heating Surface of Boilers 6960 Is forced draft fitted YES No. and Description of Boilers 3. S.B. Working Pressure 200 Tested by hydraulic pressure to 350 Date of test 9/4/26
1723 No. of Certificate 1723 Can each boiler be worked separately YES Area of fire grate in each boiler 49.5 No. and Description of safety valves to each boiler 2 DIRECT SPRING Area of each valve 8.29 Pressure to which they are adjusted 204
J.D. Are they fitted with easing gear YES In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler ✓
26 Smallest distance between boilers or uptakes and bunkers or woodwork 9" Mean dia. of boilers 15'-1 3/8" Length 11'-9"
 Material of shell plates S Thickness 1 3/8" Range of tensile strength 28/32 Are the shell plates welded or flanged NO
 Descrip. of riveting: cir. seams D.R.L. long. seams T.R.D.B.S. Diameter of rivet holes in lang. seams 1 3/8" Pitch of rivets 9 5/8"
506 Lap of plates or width of butt straps 1'-8 1/2" Per centages of strength of longitudinal joint rivets 86.36 Working pressure of shell by rules 203.9 Size of manhole in shell 16" x 12" Size of compensating ring FLANGED, 3 1/4" No. and Description of Furnaces in each boiler 3. CORRUGATED Material S Outside diameter 3'-11 1/4" Length of plain part 10 1/2" Thickness of plates 5/8"
 Description of longitudinal joint WELD No. of strengthening rings NONE Working pressure of furnace by the rules 206 Combustion chamber plates: Material S Thickness: Sides 2 1/32" Back 5/8" Top 2 1/32" Bottom 2 3/32" Pitch of stays to ditto: Sides 8 1/2" x 8 3/8" Back 13 1/4" x 8 1/4"
 Top 8 1/2" x 8 3/8" If stays are fitted with nuts or riveted heads NUTS Working pressure by rules 203 Material of stays S Area at smallest part Area supported by each stay 13.48 Working pressure by rules 205.8 End plates in steam space: Material S Thickness 1 1/8"
 Pitch of stays 18" x 16" How are stays secured D. NUTS Working pressure by rules 202.8 Material of stays S Area at smallest part Area supported by each stay 288 Working pressure by rules 211.5 Material of Front plates at bottom S Thickness 7/8" Material of Lower back plate S Thickness 1 3/8" Greatest pitch of stays 14" x 8 1/4" Working pressure of plate by rules 201 Diameter of tubes 3"
 Pitch of tubes 4 1/4" x 4 1/4" Material of tube plates S Thickness: Front 7/8" Back 2 3/32" Mean pitch of stays 8 1/2" x 8 1/2" Pitch across wide water spaces 14" Working pressures by rules 224 Girders to Chamber tops: Material S Depth and thickness of girder at centre 2'-10" x 3 1/4" Length as per rule 2'-11 5/32" Distance apart 8 1/2" Number and pitch of Stays in each 3-8 3/8"
 Working pressure by rules 209 Steam dome: description of joint to shell NONE % 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 ✓

SUPERHEATER. Type ✓ Date of Approval of Plan MANCHESTER Tested by Hydraulic Pressure to ✓
 Date of Test REPORT ATTACHED Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler YES
 Diameter of Safety Valve 3 (2" Direct Spring) Pressure to which each is adjusted 207 Is Easing Gear fitted YES

The foregoing is a correct description,

Robert Wood Manufacturer.

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

Is the approved plan of boiler forwarded herewith yes
 Total No. of visits 67

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been built under special survey in accordance with the approved plans. The materials and workmanship are good. The boilers have been securely fitted on board the vessel, and the safety valves adjusted under steam, as stated.

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

Committee's Minute See 23 JUL 1928
 Assigned See 26 rpt. attached

J. Davey Engineer Surveyor to Lloyd's Register of Shipping.

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