

Rpt. 5a.

REPORT ON BOILERS.

No. 18437.

-5 AUG 1925

Received at London Office

Date of writing Report 2/5/1925 When handed in at Local Office 191

Port of - Greenock

No. in Survey held at Reg. Book

Greenock

Date, First Survey 11th February, 1925. Last Survey 29th July, 1925.

on the Turi Screw Tugger Dredger No 35

(Number of Visits 14) Gross Tons } Net

Master

Built at

P. Glasgow

By whom built

Ferguson Bros Ltd (276)

When built 1925

Engines made at

P. Glasgow

By whom made

Ferguson Bros Ltd (276)

When made 1925

Boilers made at

Greenock

By whom made

John & Treadwell (162)

When made 1925

Registered Horse Power 210

Owners

Messrs Doehring & Co Ltd

Port belonging to

Liverpool

MULTITUBULAR BOILERS—MAIN,

Manufacturers of Steel Skel Co. & L. & A. & Co. Ltd

(Letter for record S) Total Heating Surface of Boilers 3800 sq ft Is forced draft fitted No No. and Description of

Boilers 2 Single Ended 22B Working Pressure 180 Tested by hydraulic pressure to 320 Date of test 1-5-25

No. of Certificate 1692 Can each boiler be worked separately Yes Area of fire grate in each boiler 62.5 sq ft No. and Description of

safety valves to each boiler Double Spring Area of each valve 7.07 sq ft Pressure to which they are adjusted 185

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 5'-0" Mean dia. of boilers 14.43/16 Length 10'-9"

Material of shell plates S Thickness 13/16 Range of tensile strength 28/32 Are the shell plates welded or flanged

Descrip. of riveting: cir. seams DR long. seams TR & DBS Diameter of rivet holes in long. seams 1 1/4 Pitch of rivets 8 3/4

Length of plates width of butt straps 18 1/2 Per centages of strength of longitudinal joint rivets 90.9 plate 85.4 Working pressure of shell by

rules 180 Size of manhole in shell 16 x 12 Size of compensating ring 2 1/4 x 2 1/4 No. and Description of Furnaces in each

boiler 3 corrugated Material S Outside diameter 48 5/16 Length of plain part top Thickness of plates crown 17 1/32 bottom 17 1/32

Description of longitudinal joint weld No. of strengthening rings Working pressure of furnace by the rules 186 Combustion chamber

plates: Material S Thickness: Sides 2 1/32 Back 2 1/32 Top 2 1/32 Bottom 2 5/32 Pitch of stays to ditto: Sides 8 x 10 Back 9 x 9 1/4

Top 9 1/2 x 8 stays are fitted with nuts or riveted heads Yes Working pressure by rules 183 Material of stays S Area at

smallest part 1 1/4 Area supported by each stay 83 2/5 Working pressure by rules 190 End plates in steam space: Material S Thickness 1 1/4

Pitch of stays 22 x 18 How are stays secured Yes Working pressure by rules 181 Material of stays S Area at smallest part 7.24

Area supported by each stay 396 Working pressure by rules 203 Material of Front plates at bottom S Thickness 1 Material of

Lower back plate S Thickness 2 5/32 Greatest pitch of stays 13 3/4 Working pressure of plate by rules 189 Diameter of tubes 3 1/4

Pitch of tubes 4 1/2 x 4 3/8 Material of tube plates S Thickness: Front 1 Back 3/4 Mean pitch of stays 9 1/8 Pitch across wide

water spaces 14 Working pressures by rules 185 Girders to Chamber tops: Material S Depth and thickness of

girder at centre 9 x 3 1/4 Length as per rule 31.6 Distance apart 9 1/2 Number and pitch of Stays in each 3 at 8

Working pressure by rules 186 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

SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,
FOR JOHN G. KINCAID & COY., LIMITED
Robert Green Manufacturer.Dates of Survey During progress of (1925) Feb. 11-25, Mar. 2-10, 18-24, 31, Apr. 3-8, 16, 24-30. Is the approved plan of boiler forwarded herewith
while work in shops - - -
building During erection on board vessel - - - May 1-July 29. Total No. of visits 14.

GENERAL REMARKS (State quality of workmanship, opinions as to class, etc.) These Boilers have been

built under Special Survey in accordance with the
approved plan. The workmanship & material are of good
quality & they are now securely fitted on board
This Repl. accompanies that of the Machinery.

Survey Fee ... £ 15 : 3 : When applied for, 11th May 1925

Travelling Expenses (if any) £ : : When received, 1st June 1925

Committee's Minute GLASGOW 4-AUG 1925

Assigned See accompanying mach. report.

W. J. Gordon-Munroe © 2020
Engineer Surveyor to Lloyd's Register of Shipping.Lloyd's Register
Foundation

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