

REPORT ON BOILERS.

No. 15012
26 APR 1926

Received at London Office

Port of Rotterdam
When handed in at Local Office 1926
No. in Survey held at Dordrecht Date, First Survey 19-5-21 Last Survey 11-3-1926
on the Boiler No 50 (Number of Visits 6) Tons 6 Gross Net
Built at By whom built When built
By whom made When made
By whom made When made
Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel William Beardmore & Co Ltd.

Letter for record S. Total Heating Surface of Boilers 1412 Is forced draft fitted no. No. and Description of
Boilers SE multitubular Working Pressure 14 kg Tested by hydraulic pressure to 300 lbs Date of test 11/3/26
No. of Certificate 035 Can each boiler be worked separately Yes Area of fire grate in each boiler 36.60 No. and Description of
Safety valves to each boiler 2 spring loaded Area of each valve 64 mm Pressure to which they are adjusted 100 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 12" Mean dia. of boilers 3300 mm Length 3000 mm
Material of shell plates S.M. steel Thickness 27 mm Range of tensile strength 45-50 kg Are the shell plates welded or flanged no
Descrip. of riveting: cir. seams Lap 2 x riv. long. seams 3 x riv. Diameter of rivet holes in long. seams 30 mm Pitch of rivets 203 mm
Gap of plates or width of butt straps Per centages of strength of longitudinal joint rivets 90.5% Working pressure of shell by
rules 14.7 kg Size of manhole in shell 440 x 500 mm Size of compensating ring 265 mm x 27 mm No. and Description of Furnaces in each
Boiler 2 Morisons Material steel Outside diameter 970 mm Length of plain part top 14 mm bottom 14 mm Thickness of plates 14 mm
Description of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 14.5 kg Combustion chamber
plates: Material S.M. steel Thickness: Sides 10 mm Back 15 mm Top 10 mm Bottom 21 mm Pitch of stays to ditto: Sides 200 x 175 Back 155
Top 230 x 200 If stays are fitted with nuts or riveted heads Riveted heads Working pressure by rules 15.8 kg Material of stays Steel Diameter at
smallest part 32 mm Area supported by each stay 24025 Working pressure by rules 15.3 End plates in steam space: Material Steel Thickness 24 mm
Pitch of stays 350 x 470 How are stays secured double nuts Working pressure by rules 20 kg Material of stays Steel Diameter at smallest part 44 mm
Area supported by each stay 164500 Working pressure by rules 16.3 kg Material of Front plates at bottom steel Thickness 27 mm Material of
Lower back plate steel Thickness 24 mm Greatest pitch of stays 340 mm Working pressure of plate by rules 14.5 kg Diameter of tubes 83 mm
Pitch of tubes 100 mm Material of tube plates steel Thickness: Front 27 mm Back 19 mm Mean pitch of stays 166 mm Pitch across wide
water spaces 400 mm Working pressures by rules 10 kg Girders to Chamber tops: Material steel Depth and thickness of
girder at centre 180 x 2 x 19 mm Length as per rule 675 mm Distance apart 230 mm Number and pitch of Stays in each 2 x 200 mm
Working pressure by rules 20 kg Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked
separately Yes Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
If 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

VERTICAL DONKEY BOILER— No. Description Manufacturers of steel
Made at By whom made When made Where fixed Working pressure
Tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves
No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can
enter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile
strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets
Lap of plating Per centage of strength of joint Rivets Plates Working pressure of shell by rules Thickness of shell crown plates
Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace
Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown
plates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates
Thickness of water tubes

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - 1921 1/5 - 6/7 - 1925 5/4 - 4/5 - 2/11 - 1926 1/3
{ During erection on board vessel - -
Total No. of visits 6

Is the approved plan of main boiler forwarded herewith no

" " " donkey " " 3-6-21

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

This boiler has been made under Special Survey in accordance with the approved plan, Secretary's letter and the Society's Rules, material tested as required and workmanship good.

Certificate (if required) to be sent to
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee .. £	<i>112.00</i>	When applied for,	<i>30/3</i> .. 19 <i>26</i>
Special	£		
Donkey Boiler Fee £	:	When received,	<i>6/4</i> .. 19 <i>26</i>
Travelling Expenses (if any) £	<i>0.50</i>		

Committee's Minute

TUES. 4 MAY 1926

Assigned

J. J. Chow
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.



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Foundation