

REPORT ON BOILERS.

copy (original with 1/2 Roland got 5070)
No. 285

Received at London Office

Date of writing Report 19... When handed in at Local Office 19... Port of Malmo

No. in Survey held at Reg. Book. on the s/s Erik Boye Date, First Survey Last Survey 19... (Number of Visits) Gross Tons Net Tons

Master Built at By whom built When built

Engines made at By whom made When made

Boilers made at Malmo By whom made Kockums Mek Verksted When made 1921

Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Der Mannesmannrohrenwerke abt Schulz Knaudt, Hucklingen, Germany
bonnarvets Jernverk, Sweden

(Letter for record S) Total Heating Surface of Boilers 3910 Is forced draft fitted yes No. and Description of Boilers 2 single ended multitubular Working Pressure 185 lbs Tested by hydraulic pressure to 330 lbs Date of test 9/5 + 25/5 1921

No. of Certificate 28 + 29 Can each boiler be worked separately yes Area of fire grate in each boiler 51 No. and Description of safety valves to each boiler 2 Spring Area of each valve 15 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 yes

Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 14 Length 11' 7 13/16"

Material of shell plates Steel Thickness 1.22" Range of tensile strength 28-32 tons Are the shell plates welded or flanged no

Descrip. of riveting: cir. seams double riv. lap long. seams as per plan Diameter of rivet holes in long. seams 1 5/16" Pitch of rivets 8 1/4"

Gap of plates width of butt straps Inner: - 20" Per centages of strength of longitudinal joint 92% Working pressure of shell by rules 186 lb. Size of manhole in shell 15 3/4" x 19 3/4" Diam. of compensating ring 2 11/16" thickness 1 1/2" No. and Description of Furnaces in each boiler 3 Morrison Material Steel Outside diameter 3-9 1/4" Length of plain part top 13" 20 mm Thickness of plates bottom 5 1/8" 32

Description of longitudinal joint both No. of strengthening rings both Working pressure of furnace by the rules 208.47 Combustion chamber plates: Material Steel Thickness: Sides 3/32" Back 1/16" Top 2 1/32" Bottom 13/16" Pitch of stays to ditto: Sides 8 1/4" x 8 1/4" Back 8 1/4" x 8 5/8"

Top 8 1/4" x 8 1/4" If stays are fitted with nuts or riveted heads both Working pressure by rules 213 lbs Material of stays Steel Area at smallest part 2" Area supported by each stay 71 Working pressure by rules 250 End plates in steam space: Material Steel Thickness 1 1/4"

Pitch of stays 23 5/8" x 19 1/8" How are stays secured double nuts Working pressure by rules 190 Material of stays Steel Area at smallest part 8.99

Area supported by each stay 452 Working pressure by rules 207.0 Material of Front plates at bottom Steel Thickness 1 1/16" Material of Lower back plate Steel Thickness 3/32" Greatest pitch of stays as per plan Working pressure of plate by rules 15 1/4" Diameter of tubes 3"

Pitch of tubes 4 1/4" x 4" Material of tube plates Steel Thickness: Front 1 1/16" Back 7/8" Mean pitch of stays 8.24 Pitch across wide water spaces 15" Working pressures by rules 206.7 Girders to Chamber tops: Material Steel Depth and thickness of girder at centre (8 1/2" x 7/8") 2 Length as per rule 33 1/8" Distance apart 8 1/4" Number and pitch of Stays in each 3-8 1/4"

Working pressure by rules 198.25 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

UPERHEATER. 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,
(Sgd) Kockums mekaniska Verks AB Manufacturer
H. Malingquist Chief Engineer

Is the approved plan of boiler forwarded herewith Retained in London

Dates of Survey } During progress of work in shops - - }
while building } During erection on board vessel - - - }

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
Extract — These boilers have been built at the works of Kockums Mek. Verksted A. B. Malmo, under the usual conditions of Special Survey. The workmanship is good. The boiler shell has partly been tested as per Secretary's letter of the 11th February 1915. Copies of the boiler test certificates issued in this case are attached.

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

Committee's Minute FRI. MAY. +9 1924 TUES. 22 JUL 1924 (Sgd) G. lo-Jorgensen Engineer Surveyor to Lloyd's Register of Shipping.

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