

REPORT ON BOILERS

No. 14

REC'D NEW YORK

Nov. 27, 1916

Received at London Office

WED. 20 DEC. 1916

Date of writing Report NOV. 22 1916 When handed in at Local Office NOV. 22 1916 Port of PORT ARTHUR, ONTARIO

No. in Survey held at PORT ARTHUR ONTARIO.

Date, First Survey APRIL 17, 1916 Last Survey NOV. 22nd 1916

Reg. Book.

(Number of Visits 108) Tons { Gross 2436.73
Net 1484.05

on the SINGLE SCREW STEEL STEAMER "BLAAMYRA"

Master C.E. STEPHENS Built at PORT ARTHUR By whom built WESTERN DRY DOCK & SHIPBUILDING COMPANY LIMITED When built 11/16

Engines made at PORT ARTHUR By whom made W.D.D. & S.B. CO. LIMITED When made 11/16

Boilers made at PORT ARTHUR By whom made W.D.D. & S.B. CO. LIMITED When made 11/16

Registered Horse Power 146.83 Owners GREAT LAKES TRANSPORTATION COMPANY Port belonging to KRISTIANIA

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel CARNEGIE STEEL COMPANY

Letter for record 5 15/11/16 Total Heating Surface of Boilers 5246 Is forced draft fitted NO No. and Description of

Boilers 2 RE.TUB. SCOTCH SINGLE ENDED Working Pressure 190 LBS Tested by hydraulic pressure to 380 LBS Date of test 14/11/16

No. of Certificate 5 Can each boiler be worked separately YES Area of fire grate in each boiler 63 No. and Description of

Safety valves to each boiler 2 SPRING LOADED Area of each valve 9.62 Pressure to which they are adjusted 190 POUNDS

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 Mean dia. of boilers 14.5 Length 11'-0"

Material of shell plates STEEL Thickness 1.438 Range of tensile strength 62720 Are the shell plates welded or flanged FLANGED

Descrip. of riveting: cir. seams SINGLE long. seams STRAPPED TREBLE Diameter of rivet holes in long. seams 1.4375 Pitch of rivets 4.5

Gap of plates or width of butt straps 21" Per centages of strength of longitudinal joint rivets 95.4 Working pressure of shell by

Rules 218 POUNDS Size of manhole in shell 11"x 15" Size of compensating ring 33"x 1.425 No. and Description of Furnaces in each

Boiler 3 MORRISON Material STEEL Outside diameter 46.6875 Length of plain part top 8.812 Thickness of plates crown .593

Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules 205# Combustion chamber

Plates: Material STEEL Thickness: Sides .678 Back .678 Top .59 Bottom .64 Pitch of stays to ditto: Sides 6.875 Back 6.875

Top 7x7.5 If stays are fitted with nuts or riveted heads NUTS Working pressure by rules 192# Material of stays STEEL Diameter at

Smallest part 1.375 Area supported by each stay 47 Working pressure by rules 192 End plates in steam space: Material STEEL Thickness 1.126

Pitch of stays 15x14.5 How are stays secured NUTS Working pressure by rules 212 Material of stays STEEL Diameter at smallest part 2.375

Area supported by each stay 217.5 Working pressure by rules 212# Material of Front plates at bottom STEEL Thickness .821 Material of

Lower back plate STEEL Thickness .691 Greatest pitch of stays 6.875 Working pressure of plate by rules 209# Diameter of tubes 3.25

Pitch of tubes 4.25 Material of tube plates STEEL Thickness: Front .821 Back .8 Mean pitch of stays 11" Pitch across wide

Water spaces 13.75 Working pressures by rules 194.4 POUNDS Girders to Chamber tops: Material STEEL Depth and thickness of

Girder at centre 8.625x.796 Length as per rule 34" Distance apart 7.5 Number and pitch of Stays in each 3 - 7"

Working pressure by rules 220# Superheater or Steam chest: how connected to boiler 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

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 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.

APRIL 17-20-26-28-29 MAY 2-6-9-12-17-23-29, JUNE 1-3-5-6-7-9-12-14-16-19-20-21-

Dates of Survey while building { During progress of work in shops 22-26-28-30, JULY 25 days, Aug. 1-9, 14-17-23 to 27, Sept. 2 to 6, 20 to 24.

{ During erection on board vessel - - - OCTOBER 2 to 4, 11 to 13, 23 to 26, NOV. 2 to 15, 17 to 22.

Total No. of visits 108

Is the approved plan of main boiler forwarded herewith

" " " donkey " "

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Lloyd's Register

W1268 0018

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

Port of

No. in
Reg. Book

Own

Yard No. 15

DESCRIPTION

1-ENBERG 7

Capacity of D

Where is Dyn

Position of Ma

Positions of a

CIRCUIT B

CUIT BOAR

If fuses are

circuits

If vessel is wi

Are the fuses

Are all fuses

are perma

Are all switch

Total number

A 2

B 3

C

D

E

2 Mus

2

4 PORTAB

If arc lights,

Where are the

DESCRIPTION

Main cable car

Branch cables

Branch cables

Leads to lamps

Cargo light cabl

DESCRIPTION

WIRES

DUITS.

Joints in cables

AND FRICT

Are all the join

positions,

Are there any

How are the c

The amount of Entry Fee .. £ : : When applied for,
 Special .. £ : :
 Donkey Boiler Fee .. £ : :
 Travelling Expenses (if any) £ : :
 When received,

Committee's Minute

TUE. 20 FEB. 1917

Assigned

TUE. 12 NOV. 1918

Robert Carr

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

FRI. 28 DEC. 1917 TUE. 22 OCT. 1918

TUE. 8 JAN. 1918

TUE. 28 MAY. 1918

FRI. 7 FEB. 1919

TUE. AUG. 13. 1918

TUE. SEP. 24. 1918