

TUE. OCT. 16 1917 70351

No. 70067

REPORT ON BOILERS.

Received at London Office

WED. JUL 25 1917

t. 5a.

of writing Report 20th July 1917 When handed in at Local Office 24 JUL 1917 Port of NEWCASTLE ON TYNE

o. in Survey held at Newcastle-on-Tyne Date, First Survey 22nd Jan. 1917 Last Survey 10th July 1917

Book. on the SCREEN STEAMER HENRI LECŒUR (Number of Visits) (Gross Tons) (Net Tons) (Nos 861-2 BOILERS)

Built at Alloa By whom built Path Shipbuilding Coy Ltd When built 1917

ines made at South Shields By whom made G. J. Grey Ltd When made 1917

ers made at Hellum-on-Tyne By whom made Palmer's Shipbuilding Coy Ltd When made 1917

stered Horse Power Owners Port belonging to

WATER TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J. Spencer Sons Ltd

ter for record 5 Total Heating Surface of Boilers 4104.57 sq. ft. Is forced draft fitted no No. and Description of Boilers 2: 4104.57 sq. ft. Single Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 18/4/17

of Certificate 8944 Can each boiler be worked separately Yes Area of fire grate in each boiler 63 sq. ft. No. and Description of Safety valves to each boiler 2: 2 1/2" Spring Loaded Area of each valve Pressure to which they are adjusted they fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

allest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 15' 0" Length 10' 6"

erial of shell plates Steel Thickness 1 3/32" Range of tensile strength 28 to 32 tons Are the shell plates welded or flanged no

rip. of riveting: cir. seams Lap Double long. seams Double Shell Straps Diameter of rivet holes in long. seams 1 3/32" Pitch of rivets 8 1/2" 4 7/8"

of plates or width of butt straps 18 1/4" Per centages of strength of longitudinal joint rivets 89.2 Working pressure of shell by plate 85.6

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

er 3: Monion Material Steel Outside diameter 45 1/4" Length of plain part 6' 11 1/2" Thickness of plates 9" 16"

ription of longitudinal joint weld No. of strengthening rings none Working pressure of furnace by the rules 184 lbs Combustion chamber

s: Material Steel Thickness: Sides 2 1/32" Back 2 1/32" Top 2 1/32" Bottom 1" Pitch of stays to ditto: Sides 9" x 8 1/2" Back 9" x 9"

8" x 8 1/2" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 184 lbs Material of stays Steel Diameter at

est part 2' 0" Area supported by each stay 81" Working pressure by rules 22 1/2 lbs End plates in steam space: Material Steel Thickness 1 1/4"

of stays 20" x 20" How are stays secured Double nuts & washers Working pressure by rules 185 lbs Material of stays Steel Diameter at smallest part 8' 4 1/8"

supported by each stay 400" Working pressure by rules 22 1/2 lbs Material of Front plates at bottom Steel Thickness 1 1/4" Material of

er back plate Steel Thickness 5 1/8" Greatest pitch of stays 14 1/2" Working pressure of plate by rules 208 lbs Diameter of tubes 3 1/2"

of tubes 4 1/2" x 4 1/2" Material of tube plates Steel Thickness: Front 1 1/4" Back 2 1/32" Mean pitch of stays 9 1/2" Pitch across wide

r spaces 14" Working pressures by rules 188 lbs 243 lbs Girders to Chamber tops: Material Steel Depth and thickness of

er at centre 8 1/2" x 1 1/2" Length as per rule 31.2" Distance apart 8" Number and pitch of Stays in each 2: 8 1/2"

king pressure by rules 261 lbs Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked

ately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

ffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

king pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith Yes

Total No. of visits 18

During progress of work in shops: Jan 22, Feb 21, Mar 8, 20, 29, Apr 3, 17, 21, May 3, 9, 17, 22, Jun 4, 11, 22, Jul 3, 6, 10

During erection on board vessel: ---

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

These Boilers were built under special survey and the material and workmanship are good. On completion they were tested as required by the Rules and found tight and sound. They will be fitted on board the vessel at this port.

Survey Fee £ 11 : 4 : 0 When applied for, 24 JUL 1917

Travelling Expenses (if any) £ : : When received, 26.9 1917

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

FRI. OCT. 26 1917.

Committee's Minute

Signed

See minute

on No. 70351

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TUE. 30. OCT. 1917
TUE. 4-DEC. 1917
TUE. NOV. 26 1917
FRI. NOV. 23 1917
TUE. 18. DEC. 1917