

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. (Number of Visits) (Nos 861-2 BOILERS) Tons } Gross
 on the SCREW STEAMER HENRI LECOEUR } Net
 Built at Alloa By whom built South Shields Ship Co Ltd When built 1914
 Engines made at South Shields By whom made G. I. Grey Ltd When made 1914
 Boilers made at Hellum-on-Tyne By whom made Palmer's Ship & Iron Co Ltd When made 1914
 Registered Horse Power Owners Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J. Spencer Sons Ltd
 for record 5) Total Heating Surface of Boilers 4104.5 sq. ft. Is forced draft fitted no No. and Description of
 Boilers 2: 4 cylinder single Working Pressure 180 lb Tested by hydraulic pressure to 360 lb 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: Direct 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
 Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 15' 0" Length 10' 6"
 Material of shell plates Steel Thickness 1 3/32" Range of tensile strength 28 to 32 tons Are the shell plates welded or flanged no
 Method of riveting: cir. seams Lap Double long. seams Double Strap Diameter of rivet holes in long. seams 1 3/32" Pitch of rivets 8 1/2" 4 1/6"
 of plates or width of butt straps 18 3/4" Per centages of strength of longitudinal joint rivets 89.2 Working pressure of shell by
185 lb Size of manhole in shell 16" x 12" Size of compensating ring 4" x 1 3/32" No. and Description of Furnaces in each
3: Monition Material Steel Outside diameter 45 1/4" Length of plain part 6' 11 1/2" Thickness of plates 9" 16"
 Description of longitudinal joint weld No. of strengthening rings none Working pressure of furnace by the rules 184 lb Combustion chamber
 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 lb Material of stays Steel Area
 at smallest part 2' 0" x 2' 0" Area supported by each stay 81" Working pressure by rules 22 1/2 lb End plates in steam space: Material Steel Thickness 1 1/4"
 of stays 20" x 20" How are stays secured Double nuts Working pressure by rules 185 lb Material of stays Steel Area
 supported by each stay 400" Working pressure by rules 22 1/2 lb Material of Front plates at bottom Steel Thickness 1 1/4" Material of
 or back plate Steel Thickness 5/8" Greatest pitch of stays 14 1/2" Working pressure of plate by rules 208 lb 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
 spaces 14" Working pressures by rules 188 lb 243 lb Girders to Chamber tops: Material Steel Depth and thickness of
 or 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"
 Working pressure by rules 261 lb Superheater or Steam chest: how connected to boiler none 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
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 fitted 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

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith yes
 Total No. of visits 18

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.

Committee's Minute

FRI OCT 26 1917.

Signed

See minute

on No. 70351

W878-0213

TUE 30 OCT 1917

TUE 4 DEC 1917

TUE NOV 26 1917

FRI NOV 23 1917

TUE 18 DEC 1917