

REPORT ON BOILERS.

No. 14265

Received at London Office 11 OCT 1946

Writing Report 19 When handed in at Local Office 10/10/1946 Port of *Belfast*
 Survey held at *Belfast* Date, First Survey Last Survey 19
 on the *S/S "BALAENA"* (Number of Visits) Tons Gross 13,760 Net 8224

Belfast By whom built *Messrs. Harland & Wolff Ltd* Yard No. 1327 When built 1946
Belfast By whom made *Messrs. Harland & Wolff Ltd* Engine No. 1327 When made 1946
Belfast By whom made *Messrs. Harland & Wolff Ltd* Boiler No. 1327 When made 1946
United Whalers Ltd Port belonging to *London*

ICAL BOILER: (PRESS - BONE)

Belfast By whom made *Messrs. Harland & Wolff Ltd* 1-12 Port. Boiler No. 1-10 *STAPPA* When made 1946 Where fixed *Factory Space*
Messrs. Colvilles Ltd

Leating Surface of Boiler Is forced draught fitted Coal or Oil fired
 Description of Boilers 22 Press (Bone) Boilers Working Pressure 70 lbs/sq. in. ✓
 by hydraulic pressure to 140 lbs/sq. ✓ Date of test 18.1.46 / 14.3.46 (SEE BELOW FOR ACTUAL DATES OF TEST) No. of Certificate 1299/1320 incl.

fire grate in each Boiler No. and description of safety valves to each boiler Reducing valves & safety valves on line ✓
 each set of valves per boiler { per Rule. Pressure to which they are adjusted See. Lon. letter 18.11.46
 as fitted. Are they fitted with easing gear

Whether steam from main boilers can enter the donkey boiler Smallest distance between boiler or uptake and bunkers

Is oil fuel carried in the double bottom under boiler Smallest distance between base of boiler and tank top plating

Is the base of the boiler insulated Largest internal dia. of boiler 9' 10 7/8" Height 12' 9" OA. ✓

Material Steel ✓ Tensile strength 29/33 tons ✓ Thickness 9/16" ✓

shell plates welded or flanged No. ✓ If fusion welded, state name of welding firm *Messrs. Harland & Wolff Ltd Belfast* ✓

the requirements of the Rules for Class 3 vessels been complied with Yes ✓ Description of riveting: circ. seams { end. inter.

Fusion welded (R.F.F.) ✓ Dia. of rivet holes in { circ. seams Pitch of rivets Percentage of strength of circ. seams { plate rivets

itudinal joint { rivets Thickness of butt straps { outer inner Shell Crown: Whether complete hemisphere, dished partial

Cal, or flat Dished partial spheres Material Steel ✓ Tensile strength 26/30 tons ✓ Thickness Top 15/16" Bottom 13/16" ✓

9' 10" Description of Furnace: Plain, spherical, or dished crown Material

strength Thickness External diameter { top bottom Length as per Rule

of support stays circumferentially and vertically Are stays fitted with nuts or riveted over

er of stays over thread Radius of spherical or dished furnace crown

ess of Ogee Ring Diameter as per Rule { D A

ustion Chamber: Material Tensile strength Thickness of top plate

if dished Thickness of back plate Diameter if circular

as per Rule Pitch of stays

ys fitted with nuts or riveted over Diameter of stays over thread

Plates: Material { front Tensile strength Thickness { Mean pitch of stay tubes in nests

prising shell, dia. as per Rule { front Pitch in outer vertical rows { Dia. of tube holes FRONT { stay plain BACK { stay plain

alternate tube in outer vertical rows a stay tube

s to Combustion Chamber Tops: Material Tensile strength

and thickness of girder at centre Length as per Rule

ce apart No. and pitch of stays in each

Crown Stays: Material

Tensile strength

Diameter { at body of stay
or
over threads

No. of threads per inch

Screw Stays: Material

Tensile strength

Diameter { at turned off part
or
over threads

No. of threads per inch

Are the stays drilled at the outer ends

Tubes: Material

External diameter { plain
stay

Thickness {

No. of threads per inch

Pitch of tubes

Manhole Compensation: Size of opening in shell plate

2'-7 1/8" x 2'-7 1/8" ✓

Section of compensating ring

4 1/2" x 4" x 1" ✓

No. of rivets

of rivet holes

Fusion welded to shell

Outer row rivet pitch at ends

Depth of flange if manhole flanged

Uptake: External diameter

Thickness of uptake plate

Cross Tubes: No.

External diameters {

Thickness of plates

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with

The foregoing is a correct description

For HARBOR AND WOLFF, LIMITED

A. Marshall
Secretary

Dates
of Survey
while
building

During progress of
work in shops - -

During erection on
board vessel - - -

Is the approved plan of boiler forwarded herewith
(If not state date of approval.)

Total No. of visits

Is this Boiler a duplicate of a previous case

No

If so, state Vessel's name and Report No.

GENERAL REMARKS

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

These boilers have been constructed under special survey in accordance with the Rules as Class 3 fusion welded pressure vessels and with the approved plan. The materials and workmanship are good.

During the course of construction check welding tests have been taken in accordance with the requirements of the Rules for Class 2 vessels, the results in all cases found satisfactory.

These boilers have been efficiently installed onboard the vessel.

DATES OF HYDRAULIC TEST.

No	BLR Port	Date	CERTIF. No.	No	BLR Port	Date	CERTIF. No.	No	BLR SPAR	Date	CERTIF. No.
1		6.2.46	1305	11		14.3.46	1320	1		30.1.46	
2		12.2.46	1308	12		14.2.46	1310	2		13.2.46	
3		22.1.46	1300					3		18.1.46	
4		25.1.46	1301					4		1.2.46	
5		18.2.46	1311					5		23.2.46	
6		4.2.46	1304					6		7.2.46	
7		21.2.46	1313					7		20.2.46	
8		9.2.46	1307					8		27.2.46	
9		4.3.46	1316					9		5.3.46	
10		7.3.46	1318					10		13.3.46	

Survey Fee ... £

When applied for

19

Travelling Expenses (if any) £

When received

19

John G. Thomas

Engineer Surveyor to Lloyd's Register of Shipping

Date

FRI. 22 NOV 1946

Committee's
Minute

See F.E. McKay. rpt.



Lloyd's Register
Foundation