

Working pressure by Rules 183 lbs Are the stays drilled at the outer ends No Margin stays: Diameter ^{At turned off part,} 1 3/4"
No. of threads per inch 9 Area supported by each stay 126 sq" Working pressure by Rules 180 lbs
Tubes: Material Steel External diameter ^{Plain} 2 3/4" Thickness ^{Stay} 5/16" No. of threads per inch 9
Pitch of tubes 3 3/4" Working pressure by Rules 165 lbs Manhole compensation: Size of opening
shell plate 20" X 16" Section of compensating ring 9 1/4" x 13/16" No. of rivets and diameter of rivet holes 40 - 1" dia.
Outer row rivet pitch at ends 7" Depth of flange if manhole flanged 3" Steam Dome: Material
Tensile strength Thickness of shell Description of longitudinal joint
Diameter of rivet holes Pitch of rivets Percentage of strength of joint ^{Plate}
Internal diameter Working pressure by Rules None Thickness of crown No. and diameter
stays Inner radius of crown Working pressure by Rules
How connected to shell Size of doubling plate under dome Diameter of rivet holes and pitch
of rivets in outer row in dome connection to shell

Type of Superheater Manufacturers of ^{Tubes}
Number of elements Material of tubes ^{Steel castings} Internal diameter and thickness of tubes
Material of headers Tensile strength Thickness Can the superheater be shut off and
the boiler be worked separately Is a safety valve fitted to each part of the superheater which can be shut off from the boiler
Area of each safety valve Are the safety valves fitted with easing gear Working pressure as per
Rules Pressure to which the safety valves are adjusted Hydraulic test pressure
tubes, castings and after assembly in place Are drain cocks or valves fitted
to free the superheater from water where necessary

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

FOR AND ON BEHALF OF
yes THE CALEDON SHIPBUILDING & ENGINEERING CO. LTD.
The foregoing is a correct description,
Manufactured

Dates of Survey ^{1940 1941}
During progress of work in shops - Dec 24 Jan 10 14 Feb 7 11 21 Mar 19 21 Apr Are the approved plans of boiler and superheater forwarded herewith yes
while building ^{9.16.23.30 May 5.8.19.22.25.27.30 June}
During erection on board vessel - 2.5.9.13.16.20.26 See Mach^y Report. Total No. of visits in Boiler Shop 26

Is this Boiler a duplicate of a previous case yes If so, state Vessel's name and Report No. R. & A 'Gold Ranger' Rpt N° 9234

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

This Boiler has been constructed under Special Survey in accordance with the Rules & the approved plan. The materials & workmanship are good, & the boiler was found tight & sound under hydraulic pressure.

It has been efficiently fitted on board, & its safety valves have been adjusted under steam for the working pressure of 150 lbs per sq. inch.

In my opinion it is eligible to be classed in the Register Book with the record of D.B.S. 9-41.

Survey Fee ... £ 11 : 4 : 0 When applied for, see Mach^y Report
Travelling Expenses (if any) £ : : When received, Report

Committee's Minute GLASGOW 14 OCT 1941

Assigned SEE ACCOMPANYING MACHINERY REPORT.

John Houston
Engineer Surveyor to Lloyd's Register of Shipping.



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Foundation