

REPORT ON BOILERS.

No. 18844

25 APR 1928

Received at London Office

24-3-28
When handed in at Local Office 20th April 1928 Port of Greenock
No. in Survey held at Greenock Date, First Survey 15th February 1924 Last Survey 18th April 1928
Reg. Book. T/S M/V "Athelqueen" (Number of Visits ☒) Gross Tons 1122
on the ditto Net Tons 1122
Built at Glasgow By whom built Samuel & Co. Ltd (400) When built 1928
Engines made at Greenock By whom made John & Richard Coy. Ltd (122) When made 1928
Boilers made at ditto By whom made ditto (122) When made 1928
Registered Horse Power 1122 Owners United Molasses Coy. Ltd Port belonging to London

MULTITUBULAR BOILERS Donkey, AUXILIARY Donkey — Manufacturers of Steel The Phoenix, Smith & Co. Ltd
Waltham Abbey, Essex, Works

Letter for record S Total Heating Surface of Boilers 1823 Is forced draft fitted assisted No. and Description of
Boilers one Single Ended Working Pressure 180 Tested by hydraulic pressure to 320 Date of test 27.10.27
No. of Certificate 1790 Can each boiler be worked separately yes Area of fire grate in each boiler Oil Fuel No. and Description of
Safety valves to each boiler Double Spring Area of each valve 4.04 Pressure to which they are adjusted 185
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 3'-6" Mean dia. of boilers 13'-6" Length 11'-0"
Material of shell plates S Thickness 1 1/8" Range of tensile strength 28/32 Are the shell plates welded or flanged —
Descrip. of riveting: cir. seams DR long. seams TR & DBS Diameter of rivet holes in long. seams 13/16" Pitch of rivets 8 3/8"
Width of butt straps 1 3/4" Per centages of strength of longitudinal joint 90.5% Working pressure of shell by
rules 184 Size of manhole in shell 16 1/2" x 20 1/2" Size of compensating ring 2'-11" x 2'-4" x 13/16" No. and Description of Furnaces in each
Boiler 3 Corrugated Material S Outside diameter 3'-4 1/4" Length of plain part top 15 1/2" Thickness of plates bottom 15 1/2"
Description of longitudinal joint weld No. of strengthening rings — Working pressure of furnace by the rules 182 Combustion chamber
plates: Material S Thickness: Sides 2 1/32" Back 2 1/32" Top 2 1/32" Bottom 2 1/32" Pitch of stays to ditto: Sides 9" x 9 1/4" Back 8 1/2" x 9"
Top 9" x 8 1/2" If stays are fitted with nuts or riveted heads yes Working pressure by rules 183 Material of stays S Area at
smallest part 13203 Area supported by each stay 46.5 Working pressure by rules 198 End plates in steam space: Material S Thickness 13/32"
Pitch of stays 18 1/2" x 18 1/2" How are stays secured DN & W Working pressure by rules 181 Material of stays S Area at smallest part 6.1
Area supported by each stay 342.35 Working pressure by rules 196 Material of Front plates at bottom S Thickness 1" Material of
Lower back plate S Thickness 25/32" Greatest pitch of stays 14" Working pressure of plate by rules 184 Diameter of tubes 3"
Pitch of tubes 45/16" x 4 3/16" Material of tube plates S Thickness: Front 1" Back 23/32" Mean pitch of stays 10'8" Pitch across wide
water spaces 14" Working pressures by rules 184 Girders to Chamber tops: Material S Depth and thickness of
girder at centre 9 1/2" x 7 1/8" (2) Length as per rule 37.62 Distance apart 8 1/2" Number and pitch of Stays in each 3 at 9'
Working pressure by rules 182 Steam dome: description of joint to shell — % of strength of joint —
Diameter — Thickness of shell plates — Material — Description of longitudinal joint — Diam. of rivet holes —
Pitch of rivets — Working pressure of shell by rules — Crown plates — Thickness — How stayed —

UPPERHEATER. Type — Date of Approval of Plan — Tested by Hydraulic Pressure to —
Date of Test — Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler —
Diameter of Safety Valve — Pressure to which each is adjusted — Is Easing Gear fitted —

FOR JOHN G. KINCAID & COY. LIMITED

The foregoing is a correct description,

Lib Carter DIRECTOR Manufacturer.

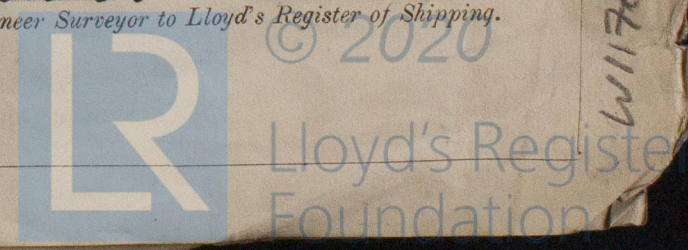
Dates of Survey During progress of work in shops - - Is the approved plan of boiler forwarded herewith yes
while building During erection on board vessel - - Total No. of visits —

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey in accordance with the approved plan & the workmanship & material are of good quality it is now securely fitted on board. This report is accompanied by that of Mr. M. J. (Duplicate of H 21. Greenock Rpt. No 18495. "Athelqueen")

Survey Fee £ When applied for, 19
changed on M. J. Rpt. When received, 19
LL - London-Museum
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 24 APL 1928

Assigned See accompanying mach. report.



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