

REPORT ON BOILERS.

No. 18509.

Received at London Office

-3 MAR 1926

Date of writing Report 1-2-1926 When handed in at Local Office 24-2-1926 Port of Greenock
No. in Survey held at Greenock Date, First Survey 11th March, 1925 Last Survey 24th February 1926
Reg. Book. 9591 on the T.S.M.V. "Java" (Number of Visits 71) Gross 8875
Master John E. McQuaid Built at Middlesbrough By whom built Furness & Co. Ltd (86) When built 1926
Engines made at Greenock By whom made John E. McQuaid & Co. Ltd (K9) When made 1926
Boilers made at ditto By whom made ditto (K9) When made 1926
Registered Horse Power 9/5 J. Ludwig Mowbricks Redun Port belonging to Reiger

MULTITUBULAR BOILERS ~~---~~ AUXILIARY ~~---~~ Manufacturers of Steel Gutehoffnungsluette
(Letter for record S ✓) Total Heating Surface of Boilers 2441.97 Is forced draft fitted as fitted No. and Description of
Boilers 2 Single Ended Working Pressure 180 Tested by hydraulic pressure to 320 Date of test 12.11.25
No. of Certificate 1408 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 4.98 Pressure to which they are adjusted 180 lbs
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 in two racks Mean dia. of boilers 11-3" Length 10-6"
Material of shell plates S Thickness 15/16" Range of tensile strength 28/32 Are the shell plates welded or flanged ✓
Descrip. of riveting: cir. seams D.R. long. seams T.R. D.B.S. Diameter of rivet holes in long. seams 1" Pitch of rivets 4"
Lap of plates or width of butt straps 14 7/8" Per centages of strength of longitudinal joint 92.4% Working pressure of shell by
rules 182 Size of manhole in shell 16" x 12" Size of compensating ring 32 3/4" x 28 3/4" x 1 1/2" No. and Description of Furnaces in each
boiler 2 Deighton Material S Outside diameter 3-4 1/4" Length of plain part top Thickness of plates crown 15/32"
Description of longitudinal joint weld No. of strengthening rings ✓ Working pressure of furnace by the rules ✓ Combustion chamber
plates: Material S Thickness: Sides 21/32" Back 21/32" Top 21/32" Bottom 21/32" Pitch of stays to ditto: Sides 10-8" Back 9-9 1/4"
Top 8-10" If stays are fitted with nuts or riveted heads Aut. Working pressure by rules 180 Material of stays S Area at
smallest part 19.203 Area supported by each stay 83.26 Working pressure by rules 181 End plates in steam space: Material S Thickness 1 1/32"
Pitch of stays 16 1/2" x 16 1/2" How are stays secured Aut. Working pressure by rules 181 Material of stays S Area at smallest part 4.57
Area supported by each stay 349.2 Working pressure by rules 182 Material of Front plates at bottom S Thickness 1" Material of
Lower back plate S Thickness 25/32" Greatest pitch of stays 13 3/4" Working pressure of plate by rules 181 Diameter of tubes 3
Pitch of tubes 4 1/4" x 4 3/16" Material of tube plates S Thickness: Front 1" Back 23/32" Mean pitch of stays 9.78 Pitch across wide
water spaces 14" Working pressures by rules 184 Girders to Chamber tops: Material S Depth and thickness of
girder at centre 8 1/4" x 3 1/4" (2) Length as per rule 2.462 Distance apart 8" Number and pitch of Stays in each 2 at 10"
Working pressure by rules 183 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 _____

SUPERHEATER. 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 _____

The foregoing is a correct description,
FOR JOHN G. KINCAID & COY., LIMITED.
Robert Green Manufacturer.

Is the approved plan of boiler forwarded herewith No. 18490

Total No. of visits

Dates of Survey { During progress of work in shops - - }
while building { During erection on board vessel - - - }

See Machinery Report.

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

These Boilers have been built under Special Survey in accordance with the approved plans & the workmanship & material are of good quality. They have been shipped to Middlesbrough at which port they will be fitted on board. This Report accompanies that of the Machinery Report. (The Boilers are dupl. K. 8 & K. 9. 18490)

Survey Fee Charged £ 20.00 : : When applied for, 24.2.19.26.
Travelling Expenses (if any) £ : : When received, 19.

Committee's Minute GLASGOW 2-MAR 1926

Assigned Deferred

FRI. 23 APR 1926

See Mdb
28 12643

Lloyd's Register

W230-0208