

# REPORT ON BOILERS.

No. 18471  
12 NOV 1925

Received at London Office

3/10/25

When handed in at Local Office 10.11.1925 Port of Greenock

Survey held at Greenock

Date, First Survey 11th August, 1925, Last Survey 10th November, 1925.

T/S M.V. "O A Knudsen"

(Number of Visits 115) Gross Tons Net

Built at Glasgow By whom built Blythwood & Co. Ltd (1910) When built 1925

By whom made John E. Kincaid & Co. Ltd (1925) When made 1925

By whom made John E. Kincaid & Co. Ltd (1925) When made 1925

Owners P. A. S. Jensen & Son, Hout Knudsen OAS Port belonging to Haugestrand

WATER TUBULAR BOILERS ~~ON BOARD~~ AUXILIARY ~~ON BOARD~~ Manufacturers of Steel Colville Rheinische Stahlwerke

Total Heating Surface of Boilers 2022 sq ft Is forced draft fitted  No. and Description of Boilers 2 Single Ended Working Pressure 150 Tested by hydraulic pressure to 245 Date of test 4.3.25

of Certificate 1685 Can each boiler be worked separately  Area of fire grate in each boiler Oil Fuel No. and Description of Safety valves to each boiler Double Spring Area of each valve 4.9 sq ft Pressure to which they are adjusted 155

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 8" Mean dia. of boilers 10-6" Length 10-3"

Material of shell plates S Thickness 3/4" Range of tensile strength 28/32 Are the shell plates welded or flanged  Description of riveting: cir. seams DR long. seams TR.DBS Diameter of rivet holes in long. seams 13/16" Pitch of rivets 6"

width of butt straps 12 1/2" Per centages of strength of longitudinal joint rivets 86.46% Working pressure of shell by rules 154 Size of manhole in shell 16 x 12" Size of compensating ring 2.49/4.2.33/4 7/8 No. and Description of Furnaces in each boiler 2 plain Material S Outside diameter 3-2" Length of plain part top 6.10" Thickness of plates crown 1 1/16" bottom 7/8"

Description of longitudinal joint mild No. of strengthening rings one Working pressure of furnace by the rules 150 Combustion chamber plates: Material S Thickness: Sides 23/32 Back 11/16 Top 23/32 Bottom 23/32 Pitch of stays to ditto: Sides 9 5/8 x 8 1/4" Back 8 1/2 x 8 1/4"

If stays are fitted with nuts or riveted heads nuts Working pressure by rules 156 Material of stays S Area at smallest part 146.173 Area supported by each stay 79.3 Working pressure by rules 179 End plates in steam space: Material S Thickness 7/8"

Pitch of stays 14 x 15 How are stays secured DN.W Working pressure by rules 153 Material of stays 3.67 steel Area at smallest part 154 Area supported by each stay 255 Working pressure by rules 154 Material of Front plates at bottom S Thickness 7/8" Material of lower back plate S Thickness 7/8" Greatest pitch of stays 13 3/4" Working pressure of plate by rules 154 Diameter of tubes 2 3/4"

Pitch of tubes 3 7/8, 3 7/8 Material of tube plates S Thickness: Front 7/8" Back 2 1/32 Mean pitch of stays 9.68 Pitch across wide inter spaces 12 3/4" Working pressures by rules 154 Girders to Chamber tops: Material S Depth and thickness of girder at centre 4 1/4 x 1 1/16 (2) Length as per rule 2.6 2 1/32 Distance apart 8 1/4" Number and pitch of Stays in each 2 at 9 5/8"

Working pressure by rules 161 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.

John Green Manufacturer.

Dates During progress of work in shops - - - while building - - - See Machinery Report No. 18471. Is the approved plan of boiler forwarded herewith DIRECTOR Yes Total No. of visits 115.

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 now been securely fitted on board.

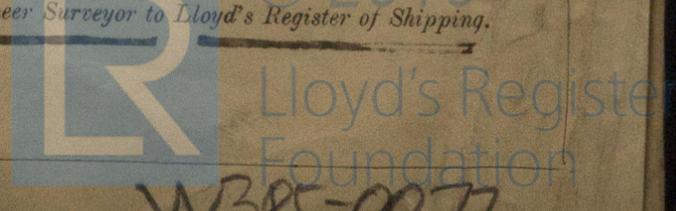
Survey Fee ... £ 16 : 16 : When applied for, 9.11.1925. Travelling Expenses (if any) £ : : When received, See Report attached.

John G. Kincaid & Co. Ltd Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 13 NOV 1925

FRI. 4 DEC 1925



W385-0077