

REPORT ON BOILERS.

No. 17837

Received at London Office WED. 15 JUN. 1921

Date of writing Report 8 June 19 When handed in at Local Office 10 June 1921 Port of Greenock

No. in Survey held at Greenock Date, First Survey 28 Dec. 1920. Last Survey 8 June 1921
Reg. Book. on the SS. Siam Siam Jan Sang (Number of Visits 39) Gross 2256 Tons Net 1232

Master Built at Siam By whom built D. M. M. M. M. M. When built 1921
Engines made at Siam By whom made D. M. M. M. M. M. When made 1921
Boilers made at Greenock By whom made S. H. Kincaid & Co. Ltd. When made 1921
Registered Horse Power Owners Indo China Steam Nav. Co. Ltd. Port belonging to London

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel C. H. & Co. Ltd.

(Letter for record S) Total Heating Surface of Boilers 4435 sq ft Is forced draft fitted Yes No. and Description of

Boilers Two single ended Working Pressure 180 lb Tested by hydraulic pressure to 320 lb Date of test 8/6/21

No. of Certificate 1573 Can each boiler be worked separately Yes Area of fire grate in each boiler 52.5 sq ft No. and Description of

safety valves to each boiler Two safety valves Area of each valve 8.29 sq ft Pressure to which they are adjusted 185 lb

Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler Yes

Smallest distance between boilers or uptakes and bunkers or woodwork 27 in Mean dia. of boilers 14.5 in Length 11.6 in

Material of shell plates Mild Thickness 1 1/4 in Range of tensile strength 28/32 Are the shell plates welded or flanged Yes

Descrip. of riveting: S. H. Kincaid & Co. Ltd. long. seams all with long. seams all with short. Diameter of rivet holes in long. seams 1 1/4 in Pitch of rivets 8 1/4 in

Lap of plates or width of butt straps 18 1/2 in Per centages of strength of longitudinal joint rivets 87.72 plate 85.71 Working pressure of shell by

rules 180 lb Size of manhole in shell 16 in 12 in Size of compensating ring 14 in 14 in No. and Description of Furnaces in each

boiler 1 Design Material Mild Outside diameter 44 1/4 in Length of plain part top 17 1/2 in Thickness of plates crown 17 1/2 in bottom 17 1/2 in

Description of longitudinal joint welded No. of strengthening rings 4 Working pressure of furnace by the rules 184 lb Combustion chamber

plates: Material Mild Thickness: Sides 10 1/16 in Back 11 1/16 in Top 10 1/16 in Bottom 12 1/16 in Pitch of stays to ditto: Sides 9 1/2 in 8 1/2 in Back 9 1/2 in 9 1/2 in

Top 9 1/2 in 8 1/2 in If stays are fitted with nuts or riveted heads No Working pressure by rules 185 lb Material of stays Mild Area at

smallest part 1.79 sq ft Area supported by each stay 85.5 sq ft Working pressure by rules 180 lb End plates in steam space: Material Mild Thickness 17 1/2 in

Pitch of stays 19 in 20 in How are stays secured all with nuts Working pressure by rules 185 lb Material of stays Mild Area at smallest part 6.66 sq ft

Area supported by each stay 380 sq ft Working pressure by rules 182 lb Material of Front plates at bottom Mild Thickness 3 1/2 in Material of

Lower back plate Mild Thickness 27 1/2 in Greatest pitch of stays 15 1/2 in Working pressure of plate by rules 186 lb Diameter of tubes 2 1/2 in

Pitch of tubes 3 1/4 in Material of tube plates Mild Thickness: Front 3 1/2 in Back 2 3/2 in Mean pitch of stays 9 1/4 in Pitch across wide

water spaces 13 1/2 in Working pressures by rules 184 lb Girders to Chamber tops: Material Mild Depth and thickness of

girder at centre 9 1/2 in 1 1/2 in Length as per rule 32.6 in Distance apart 9 in Number and pitch of Stays in each three 8 1/2 in

Working pressure by rules 185 lb 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

Request. B. 46. attached.

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

Dates of Survey During progress of 1920 Dec. 28, 1921 Jan. 13, 15, 23, Feb. 1, 4, 8, 14, 18, 25, Mar. 4, 7, 10, 22 Is the approved plan of boiler forwarded herewith Yes
while building During erection on 30. 31. Apr. 5, 7, 8, 11, 15, 18, 20, 22, 26, 29, May 2, 4, 6, 11, 13, 19, 26, 28, 27, 30 Total No. of visits 39
board vessel - - - June 2, 6, 8

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

These main boilers have been constructed under special survey
in accordance with the approved Rules. Tested by hydraulic pressure and
found good. Will be fitted to the above named steamer

These boilers have been efficiently fitted on board the above named steamer

Survey Fee ... £ 31 : 0 : When applied for, 11/6/1921
Travelling Expenses (if any) £ : : When received, 1/9/1921

Committee's Minute

GLASGOW 14 JUN 1921

GLASGOW 29 NOV 1921

Assigned

TRANSMIT TO LONDON

See Gr. Rpt. No. 17920