

REPORT ON WATER TUBE BOILERS.

No. 135666
7-AUG 1952

Received at London Office

Reporting Office 7-7-1952 When handed in at Local Office 12-7-1952 Port of LIVERPOOL
Survey held at Birkenhead Date, First Survey 26/5/50 Last Survey 13-6-1952
(Number of Visits) Gross 18569.81
on the Single screw Tanker "BRITISH CROWN" Tons Net 11251.53
Birkenhead By whom built Cammell, Laird & Co. Ltd. Yard No. 1208 When built 1952
made at Birkenhead By whom made Cammell Laird & Co. Ltd. Engine No. 1208 When made 1952
made at Birkenhead By whom made Cammell, Laird & Co. Ltd. Boiler No. 1208 When made 1952
Horse Power Owners British Tanker Co. Ltd. Port belonging to London

WATER TUBE BOILERS—MAIN, ~~EXHAUST~~, OR ~~OTHER~~. Manufacturers of Steel See Glasgow Certificate
Approval of plan 3-1950 Glasgow No. and Description or Type 30-8-51(S)
rs 2 B+H, Integral Working Pressure 495 lb Tested by Hydraulic Pressure to 793 lb Date of Test 17-10-51(P)
ertificate 2811 (S) 2813 (P) Can each boiler be worked separately yes Total Heating Surface of Boilers 16534 sq. ft. 1492 sq. ft.
draught fitted yes Area of Fire Grate (coal) in each Boiler
type of burners (oil) in each boiler Five Wallhead No. and description of safety valves on
iler 3" double Improved High Lift per rule Integral with superheater Pressure to which they
as fitted 14.1 lb
asted 485 lb Are they fitted with easing gear yes In case of donkey boilers state whether steam from main boilers can enter
key boiler Smallest distance between boilers or uptakes and bunkers or woodwork well clear Height of boiler 19'5 1/4"
and length 15'5" x 18'7" Steam Drums:—Number in each boiler one Inside diameter 4'0" mean
ss of plates 1" + 2 1/8" Range of tensile strength See Glasgow Certificate Are drum shell plates welded
ed welded If fusion welded, state name of welding firm Babcock & Wilcox, Ltd. Have all the requirements of the Rules
ss I vessels been complied with yes Description of riveting:—Circ. seams long. seams
er of rivet holes in long. seams Pitch of rivets Thickness of straps Percentage strength of
oint:—Plate Rivet Diameter of tube holes in drum 1 1/4" Pitch of tube holes 1 3/4"
tage strength of shell in way of tubes 28.57 Steam Drum Heads or Ends:—Range of tensile strength See Glasgow Certificate
ess of plates 1 3/8" Radius or how stayed 3'6" Size of manhole or handhole 16 x 12" Water Drums:—Number
boiler one Inside diameter 2'6" mean Thickness of plates 1 1/2" + 1 3/8" Range of tensile strength See Glasgow Certificate Are drum shell plates
or flanged welded If fusion welded, state name of welding firm Babcock & Wilcox, Ltd. Have all the requirements of the Rules
ss I vessels been complied with yes Description of riveting:—Circ. seams long. seams
er of rivet holes in long. seams Pitch of rivets Thickness of straps
tage strength of long. joint:—Plate Rivet Diameter of tube holes in drum 1 1/4" Pitch of tube holes 1 3/4"
tage strength of drum shell in way of tubes 28.57 Water Drum Heads or Ends:—Range of tensile strength See Glasgow Certificate
ess of plates 7/8" Radius or how stayed 2'6" Size of manhole or handhole 16 x 12"
rs or Sections:—Number Material Thickness Tested by hydraulic pressure to
Diameter 1 1/2", 2", 3 1/4" Thickness 11.6 + 3 gauge Number 1863, 169, 10 Steam Dome or Collector:—Description of
o shell Inside diameter Thickness of shell plates Range of tensile
Description of longitudinal joint If fusion welded, state name of welding
Have all the requirements for the Rules for Class I vessels been complied with Diameter of rivet holes
of rivets Thickness of straps Percentage strength of long. joint plate rivet
n or End Plates:—Range of tensile strength Thickness Radius or how stayed
ERHEATER, Drums or Headers:—Number in each boiler one pair Inside diameter 6" square
ess 1 1/2" Material Steel Range of tensile strength See Glasgow Certificate Are drum shell plates welded
ged solid drawn If fusion welded, state name of welding firm Have all the requirements of the Rules
ss I vessels been complied with Description of riveting:—Circ. seams long. seams
ter of rivet holes in long. seams Pitch of rivets Thickness of straps Percentage strength of
joint:—Plate Rivet Diameter of tube holes in drum 1 1/4" Pitch of tube holes 1 3/8" Percentage strength of
shell in way of tubes 33.3 Drum Heads or Ends:—Thickness 1 1/8" Range of tensile strength See Glasgow Certificate
s or how stayed Size of manhole or handhole 3 5/8" square Number, diameter, and thickness of tubes 90, 1 1/2", 11 gauge
l by hydraulic pressure to 793 lb Date of test 25-9-51 + 22-10-51 Is a safety valve fitted to each section of the superheater which
e shut off from the boiler Integral No. and description of safety valves 3" single Improved High Lift Area of each set
ves 7.06 sq. ft. Pressure to which they are adjusted 475 lb Is casing gear fitted yes
e Gear. Has the spare gear required by the Rules been supplied yes

The foregoing is a correct description,

E Stewart

Manufacturer.

Is the approved plan of boiler forwarded herewith. No.

Total No. of visits

During progress of work in shops - - - See Mch Report

During erection on board vessel - - -

Is boiler a duplicate of a previous case - - - If so, state vessel's name and report No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been constructed under special survey in accordance with Approved Plans, the Society's Rules and the Secretary's letters. Materials and workmanship are good. They have been properly installed in the vessel and tried under full working conditions with satisfactory results.

Survey Fee ... £ See Rpt 4a When applied for 19
Travelling Expenses (if any) £ : : When received 19

Date LIVERPOOL 26 AUG 1952
Committee's minute See minute on Rpt. 4a

Engineer Surveyor to Lloyd's Register of Shipping.

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