

REPORT ON BOILERS.

No. 8508

Received at London Office

Date of writing Report May 3, 1943 When handed in at Local Office 101 Port of SAN FRANCISCO

No. in Survey held at San Francisco Date, First Survey July 27, Last Survey August 15, 1943
Reg. Book. (Number of Visits Six) Gross 6607
82371 on the S.S. "SINGKEP" Tons Net 4070
Master - Built at Amsterdam By whom built Nederlands Scheps. Maats When built 1922
Engines made at Amsterdam By whom made Ned. Fb.v. Wrk & Spoor When made 1922
Boilers made at Amsterdam By whom made Ned. Fb.v. Wrk & Spoor When made 1922
Registered Horse Power Not known Owners N.V. Stoomv. Maats. Nederland Port belonging to Batavia

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Not known

(Letter for record S) Total Heating Surface of Boilers 14000 sq.ft. Is forced draft fitted yes No. and Description of
Boilers 4 Scotch Single Ended Working Pressure 218 Lbs Tested by hydraulic pressure to not known Date of test -
No. of Certificate - Can each boiler be worked separately yes Area of fire grate in each boiler 60 sq.ft. No. and Description of
safety valves to each boiler 2 Spring loaded Area of each boiler 5026.8 sq. in. Pressure to which they are adjusted 218 Lbs per
Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No Dky. Blr.
Smallest distance between boilers or uptakes and bunkers or woodwork 8 feet Mean dia. of boilers 5000 m.m. Length 3806 m.m.
Material of shell plates Steel Thickness 38 m.m. Range of tensile strength 47/53 kg/m² Are the shell plates welded or flanged no
Descrip. of riveting: cir. seams Double lap long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 39 m.m. Pitch of rivets 255 m.m.
width of butt straps 568 m.m. Per centages of strength of longitudinal joint rivets 85.5 Working pressure of shell by
rules 214 lbs. Size of manhole in shell 305 x 405 m.m. Size of compensating ring 780 x 32 m.m. No. and Description of Furnaces in each
boiler 3 Deighton Material Steel Outside diameter 4'-1 1/2" Length of plain part top 9 1/2" Thickness of plates crown 3/4"
Description of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 223 lbs Combustion chamber
plates: Material steel Thickness: Sides 18 m.m. Back 18 m.m. Top 18 m.m. Bottom 25 m.m. Pitch of stays to ditto: Sides 200x195 m.m. Back 200x215 m.m.
Top 200x225 m.m. If stays are fitted with nuts or riveted heads nuts Working pressure by rules 235 lbs Material of stays Steel Area at
smallest part 1.77 sq. in. Area supported by each stay 40000 m.m.² Working pressure by rules 245 lbs End plates in steam space: Material Steel Thickness 33 m.m.
Pitch of stays 480 x 480 m.m. How are stays secured double nuts Working pressure by rules 215 lbs Material of stays Steel Area at smallest part 8.02 sq. in.
Area supported by each stay 230400 m.m.² Working pressure by rules 227 lbs Material of Front plates at bottom Steel Thickness 25 m.m. Material of
Lower back plate Steel Thickness 24 m.m. Greatest pitch of stays 380x200 m.m. Working pressure of plate by rules 253 lbs Diameter of tubes 3-1/4"
Pitch of tubes 114x114 m.m. Material of tube plates Steel Thickness: Front 25 m.m. Back 23 m.m. Mean pitch of stays 285 m.m. Pitch across wide
water spaces 385 m.m. Working pressures by rules 330 Lbs. Girders to Chamber tops: Material steel Depth and thickness of
girder at centre 230x44 m.m. Length as per rule 850 m.m. Distance apart 225 m.m. Number and pitch of Stays in each 3 - 200 m.m.
Working pressure by rules 222 Lbs Steam dome: description of joint to shell none % 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 -
Tested by Hydraulic Pressure to 282 Lbs. per sq. in.

SUPERHEATER. Type Smith & Werkspoor Date of Approval of Plan not known
Date of Test August 1, 1942 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler yes
Diameter of Safety Valve no record Pressure to which each is adjusted 218 Lbs. per sq. in. Is Easing Gear fitted yes

VERTICAL DONKEY BOILER— No. Description Manufacturers of steel
Made at By whom made When made Where fixed Working pressure
tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves
No. of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can
enter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile
strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets
Lap of plating Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates
Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace
Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown
plates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates
Thickness of water tubes

The foregoing is a correct description,
Manufacturer.

Dates { During progress of work in shops - - }
of Survey { During erection on board vessel - - }
while building { Total No. of visits

Is the approved plan of main boiler forwarded herewith

" " " donkey " " Lloyd's Register

605462-005464-02 Foundation 624

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

These boilers were built under special survey by the Bureau Veritas.

In June 1941 the Sourabaya Surveyors to this Society examined these boilers with recommendation as previously stated.

The Boilers were again examined and particulars taken at this Port with a view to same being classed B.S. with date.

Noted
2/7/43
See minute on original report
Assigned

The amount of Entry Fee	£	:	:	When applied for,
Special	£	:	:19.....
Donkey Boiler Fee	£	:	:	When received,
Travelling Expenses (if any)	£	:	:19.....

Committee's Minute

FRI. 27 JUL 1943

M. J. J. J.
Engineer Surveyor to Lloyd's Register of Shipping



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