

REC'D NEW YORK AUG -6 1921

REPORT ON WATER TUBE BOILERS.

No. 3575

MON. AUG. 22 1921

Received at London Office

of writing Report 15TH JULY 1921 When handed in at Local Office

191

Port of

San Francisco

Survey held at SAN PEDRO CAL

Date, First Survey 31ST MAY 1921

Last Survey 8TH JULY 1921

No. in

g. Bk.

on the

S/S "SCOPAS"

Number of Visits 8

Gross 5828
Net 3458

ater F REEDEKER

Built at SAN PEDRO CAL

By whom built SOUTHWESTERN S.B. Co

When built 1921

gines made at HAMILTON OHIO

By whom made HOOVER OWENS RENTSCHLER

When made 1921

ilers made at PORTLAND OREGON

By whom made WILLAMETTE IRON AND STEEL CO

When made 1921

gistered Horse Power

Owners NEDERLANDSCH-INDISCHE TANK STOOMBOOT

Port belonging to S' GRAVENHAGE

ULTITUBULAR

ATER TUBE BOILERS MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel SEE PORTLAND REPORT N° 629

etter for Record) Date of Approval of plan Number and Description of Type

Boilers ONE SINGLE ENDED SCOTCH Working Pressure 120 LBS. Tested by Hydraulic Pressure to 230 Date of Test 1/3/21

of Certificate 223 Can each boiler be worked separately Total Heating Surface of Boilers 1242

forced draught fitted No Area of fire grate (coal) in each Boiler OIL BURNER Total grate area of boilers in vessel including

in and Auxiliary No. and type of burners (oil) in each boiler No. and description of safety valves on

h boiler 2 SPRING LOADED Area of each valve 5.93.4" Pressure to which they are adjusted 125 LBS

e they fitted with easing gear YES In case of donkey boilers state whether steam from main boilers can enter the donkey boiler No

allest distance between boilers or uptakes and bunkers or woodwork 12" Height of Boiler Width and Length

eam Drums: Number in each boiler Inside diameter Material of plates Thickness

nge of Tensile Strength Are drum shell plates welded or flanged Description of riveting:

r. seams long. seams Diameter of rivet holes in long. seams Pitch of Rivets

p of plate or width of butt straps Thickness of straps Percentage strength of long. joint: Plate Rivet

iameter of tube holes in drum Pitch of tube holes Percentage strength of shell in way of tubes

Drum has a flat side state method of staying Depth and thickness of girders at centre

fitted) Distance apart Number and pitch of stays in each Working pressure

rules Steam Drum Heads or Ends: Material Thickness Radius or how stayed

of Manhole or Handhole Water Drums: Number in each boiler Inside Diameter

aterial of plates Thickness Are drum shell plates welded

flanged Description of riveting: Cir. seams long. seams Diameter of Rivet Holes in

g. seams Pitch of rivets long. seams Thickness of straps

centage strength of long. joint: Plate Rivet Diameter of tube holes in drum Pitch of tube holes

centage strength of drum shell in way of tubes Water Drum Heads or Ends: Material Thickness

dus or how stayed Size of manhole or handhole Headers or Sections: Number

aterial Thickness Tested by Hydraulic Pressure to Material of Stays

ca at smallest part Area supported by each stay Working Pressure by Rules Tubes: Diameter

ickness Number Steam Dome or Collector: Description of Joint to Shell

centage strength of Joint Diameter Thickness of shell plates Material

escription of longitudinal joint Diameter of Rivet Holes Pitch of Rivets Working Pressure of shell

Rules Crown or End Plates: Material Thickness How stayed

PERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

te of Test Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler

iameter of Safety Valve Pressure to which each is adjusted Is easing gear fitted

a drain cock or valve fitted at lowest point of superheater Number, diameter, and thickness of tubes

are Gear. Tubes Gaskets or joints: Manhole Handhole Handhole plates

The foregoing is a correct description,

O. B. Kibler Superintendent Shipbuilding Manufacturer.

Dates } During progress of }
Survey } work in shops - - }
while } During erection on } 1921: MAY 31. JUNE 6. 14. 15. 20. 28. JULY 5. 8.
laing } board vessel - - - }

Is the approved plan of boiler forwarded herewith No

Total No. of visits 8.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler was constructed under special

urvey of materials. tested to Rule requirements and workmanship found good. It has been fitted

board the vessel in an efficient manner and examined under working conditions and found

satisfactory

Survey Fee ...

When applied for

191

Travelling Expenses (if any) ...

When received,

191

W. M. Smith

Engineer Surveyor to Lloyd's Register of Shipping.

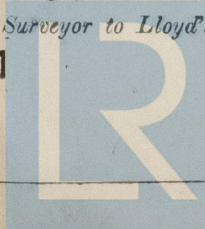
Committee's Minute

New York AUG - 9 1921

TUE. NOV. 1 1921

signed

See S. 70. 3575



Lloyd's Register
Foundation