

REPORT ON WATER TUBE BOILERS.

No. 6597

Secondary Circuit.

Received at London Office

20 JUN 1958

ing Report 5.6. 1958 When handed in at Local Office 19 Port of *Hamburg*
 Survey held at *Hamburg* Date, First Survey */* Last Survey */* 19
 on the *S. S. Yard No 220* (Number of Visits */*) Gross */* Tons
 By whom built *Prologradilits Nijamik* Yard No. *220* When built */*
 By whom made *Mensner Eisenwerk* Engine No. */* When made */*
 By whom made */* Boiler No. *5968/69* When made *1958*
 Owners */* Port belonging to */*

TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY Manufacturers of Steel *Ruhrstahl AG, Herten*
 11.9.57-13.12.57 *and Patymork, Gbr. Gerdling* No. and Description or Type
 2 x *Indirect Evaporation Boilers* Working Pressure *12.5 kg/cm²* Tested by Hydraulic Pressure to *22.4 + 2.5.58*
 HAM 321+ Can each boiler be worked separately *yes* Total Heating Surface of Boilers *2 x 723.1 m²* Superheaters *none*
 322 Is forced draught fitted *yes* Area of Fire Grate (coal) in each Boiler *steam heated (evaporation)*
 none Is forced draught fitted *yes* No. and description of safety valves on
 pe of burners (oil) in each boiler *steam heated*
one double spring loaded, ordinary Area of each set of valves per boiler { per rule */* Pressure to which they
 as fitted *2 x 7854 mm²*
 Are they fitted with easing gear *yes* In case of donkey boilers state whether steam from main boilers can enter
 Height of boiler *6755 mm*
 Smallest distance between boilers or uptakes and bunkers or woodwork */*
 Steam Drums: Number in each boiler *one* Inside diameter *1674 mm*
 Range of tensile strength *46.7 kg/cm²* Are drum shell plates welded
 If fusion welded, state name of welding firm *Ruhrstahl AG, Herten* Have all the requirements of the Rules
 Description of riveting:—Circ. seams */* long. seams */*
 Pitch of rivets */* Thickness of straps */* Percentage strength of
 Diameter of tube holes in drum *none* Pitch of tube holes */*
 Steam Drum Heads or Ends:—Range of tensile strength *43.1 kg/cm²*
 Size of manhole or handhole *320 x 425 mm* Water Drums:—Number
 Range of tensile strength */* Are drum shell plates
 If fusion welded, state name of welding firm */* Have all the requirements of the Rules
 Description of riveting:—Circ. seams */* long. seams */*
 Pitch of rivets */* Thickness of straps */*
 Diameter of tube holes in drum */* Pitch of tube holes */*
 Water Drum Heads or Ends:—Range of tensile strength */*
 Size of manhole or handhole */*
 Tested by hydraulic pressure to */*
 Steam Dome or Collector:—Description of
 Range of tensile
 If fusion welded, state name of welding
 Description of longitudinal joint */*
 Have all the requirements for the Rules for Class I vessels been complied with */* Diameter of rivet holes */*
 Thickness of straps */* Percentage strength of long. joint */* plate */* rivet */*
 Range of tensile strength */* Thickness */* Radius or how stayed */*
 Number in each boiler *one* *Tube plate 1365 mm*
 Material *ST-Steel* Range of tensile strength *55 kg/cm²* Are drum shell plates welded
 If fusion welded, state name of welding firm */* Have all the requirements of the Rules
 Description of riveting:—Circ. seams */* long. seams */*
 Pitch of *tubes 50 mm* Thickness of straps */* Percentage strength of
 Diameter of tube holes in drum *plates 32 mm* Pitch of tube holes *50 mm* Percentage strength of
 Range of tensile strength */*
 Size of manhole or handhole *Boiler* Number, diameter, and thickness of tubes *element 94, 32 x 3 mm*
 Date of test *22.4 + 2.5.58* Is a safety valve fitted to each section of the superheater which
 Area of each set
 No. and description of safety valves */*
 Pressure to which they are adjusted */*
 Is easing gear fitted */*
 Gear. Has the spare gear required by the Rules been supplied *yes*

The following is a correct and true copy of the original report as submitted to the Registrar of Shipping.
 During progress of work in shops *5/2, 7, 13, 20, 6/3, 13, 19, 27, 3/4, 9, 12, 17* Is the approved plan of boiler forwarded herewith *no*
 During erection on board vessel *22, 30, 3/5, 6, 14, 21, 30.5.58* Total No. of visits *19*

oller a duplicate of a previous case *no* If so, state vessel's name and report No. *This Secondary Circuit also has been built under special survey, satisfactory*
 REMARKS (State quality of workmanship, opinions as to class, &c.) *On completion and properly assembled in ship. The material and workmanship are of these indirect evaporation boilers are in my opinion suitable to be installed on board, along with this strictly when properly installed on board the ship and accessories.*
 Survey Fee *Construct. 1458* (When applied for *18/6/58*)
 Travelling Expenses (if any) *95* (When received *19*)
 W. O. Dahlmann
 Engineer Surveyor to Lloyd's Register of Shipping.

FRIDAY 10 JUL 1958

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