

# REPORT ON WATER TUBE BOILERS.

No. 2108

13 SEP 1948

Received at London Office

4th August 1948. When handed in at Local Office 1948. Port of Gdynia

No. in Survey held at Gdansk Date, First Survey 7th July, Last Survey 20th July, 1948.

M. Bk. on the S.S. "Kilinski" (ex "Mexico Victory") (Number of Visits 5) Tons { Gross 7612 Net -

built at Los Angeles, CAL. By whom built California Shipbuilding Corp. When built 1944 - 5

Engines made at - By whom made Westinghouse Mtg. Co. When made " "

Boilers made at - By whom made - When made " "

Nominal Horse Power 2125 Owners Gdynia-America-Shipping Lines, Ltd. Port belonging to Gdansk

## WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

Date of Approval of plan Boilers not built under Survey of this Society. Number and Description or Type

Boilers Two Sectional Header Type Working Pressure 525 PSI Tested by Hydraulic Pressure to - Date of Test -

No. of Certificate - Can each boiler be worked separately Yes Total Heating Surface of Boilers 17304 Sq ft

Is forced draught fitted Yes Area of fire grate (coal) in each Boiler Oil fired boilers

No. and type of burners (oil) in each boiler Four, Todd's "Hexpress" Type No. and description of safety valves on

each boiler one 2 1/2" dia. I.H.L. Spring loaded double Area of each set of valves per boiler { per rule 10.0 as fitted 9.8 Sq in Pressure to which they

are adjusted 525 & 523 P.S.I. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter

no donkey boiler - Smallest distance between boilers or uptakes and bunkers or woodwork no woodwork Height of boiler 21' - 3"

Width and Length 12' - 6 1/2" & 17' 8" Steam Drums:—Number in each boiler one Inside diameter 42"

Thickness of plates 1 11/16" & 13/16" Range of Tensile Strength 70,000 P.S.I. min. Are drum shell plates welded

Are flanged Fusion Welded fusion welded, state name of welding firm - Have all the requirements of the rules

for Class I vessels been complied with - Description of riveting:—Cir. seams - long. seams -

Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of

long. joint:—Plate - Rivet - Diameter of tube holes in drum 4 1/32" Pitch of tube holes 7"

Percentage strength of shell in way of tubes 42.41% Steam Drum Heads or Ends:—Range of tensile strength 70,000 P.S.I. min

Thickness of plates 1 1/4" Radius or how stayed ELLIPSOIDAL Size of manhole or handhole 12" & 16" Water Drums:—Number

in each boiler None Inside Diameter - Thickness of plates - Range of tensile strength - Are drum shell plates

welded or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules

for Class I vessels been complied with - Description of riveting:—Cir. seams - long. seam -

Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps -

Percentage strength of long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes -

Percentage strength of drum shell in way of tubes - Water Drum Heads or Ends:—Range of Tensile strength -

Thickness of plates - Radius or how stayed - Size of manhole or handhole -

Headers or Sections:—Number 16 pairs Material SD steel Thickness 9/16" Tested by Hydraulic Pressure to -

Tubes:—Diameter 1 1/2", 2", 4" Thickness .095, .134, .200 Number 1316, 64, 44 Steam Dome or Collector:—Description of

Joint to Shell - Inside diameter - Thickness of shell plates - Range of tensile

strength - Description of longitudinal joint - If fusion welded, state name of welding

firm - Have all the requirements of the rules for Class I vessels been complied with - Diameter of rivet holes -

Pitch of rivets - Thickness of straps - Percentage strength of long. joint - Plate - Rivet -

Crown or End Plates:—Range of tensile strength - Thickness - Radius or how stayed -

SUPERHEATER. Drums or Headers:—Number in each boiler Two Inside Diameter 7 1/2" square

Thickness 1" Material SD steel Range of tensile strength - Are drum shell plates welded

or flanged - If fusion welded, state name of welding firm - Have all the requirements of the rules

for Class I vessels been complied with - Description of riveting:—Cir. seams - long. seams -

Diameter of rivet holes in long. seams - Pitch of rivets - Thickness of straps - Percentage strength of

long. joint:—Plate - Rivet - Diameter of tube holes in drum - Pitch of tube holes - Percentage strength of

drum shell in way of tubes - Drum Heads or Ends:—Thickness - Range of tensile strength 216, 1 1/2", .120" min

Radius or how stayed - Size of manhole or handhole - Number, diameter, and thickness of tubes

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 Yes No. and description of Safety Valves one 1 1/2" dia. high lift. Spring loaded Area of each set

of valves 1.76 Sq. in Pressure to which they are adjusted 473 P.S.I. Is easing gear fitted Yes

Spare Gear. Has the spare gear required by the rules been supplied Yes

The foregoing is a correct description, Manufacturer.

Dates of Survey { During progress of work in shops - - } Is the approved plan of boiler forwarded herewith No

while building { During erection on board vessel - - - } Total No. of visits -

Is this 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.)

This report is submitted for the information of the Committee.

Survey Fee ... £ See Rpt. 9 : } When applied for, 19

Travelling Expenses (if any) £ : } When received, 19

Committee's Minute Assigned

See minute on Rpt. 9

FRI. 29 OCT 1948

L. V. Hauser, Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register Foundation

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