

Rpt. 5c.

REPORT ON WATER TUBE BOILERS.

No. 4080

30 JUN 1941

Received at London Office

Date of writing Report

19

When handed in at Local Office

19

Port of

GALVESTON

No. in Reg. Bk. 83569
Survey held at HAMBURG
GEN. EXAM. at Galveston
on the S.S. SKANDINAVIA

Date, First Survey

Last Survey

17/4

19

Number of Visits

Gross 10044
Net 5486

Master

Built at

Hamburg.

By whom built

Deutsche Werft A.G.

When built

1939

Engines made at

Augsburg

By whom made

M.A.N.

When made

1939

Boilers made at

Hamburg.

By whom made

Deutsche Werft A.G.

When made

1939

Registered Horse Power

1140

Owners

The Lesco Co (Norway) A.S.

Port belonging to

Oslo.

Tested as required by Rules.

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

(Letter for Record "S") Date of Approval of plan 9-8-39 = 171 lbs sq in. Number and Description or Type of Boilers 2 - La mont waste heat. Working Pressure 12 kg/cm² Tested by Hydraulic Pressure to 21.5 kg/cm² Date of Test 24-10-39

No. of Certificate 755 Can each boiler be worked separately one cylinder 136 Total Heating Surface of Boilers 200 m²
Is forced draught fitted no Area of fire grate (coal) in each Boiler Fired by waste gases Total grate area of boilers in vessel including Main and Auxiliary No. and type of burners (oil) in each boiler No. and description of safety valves on each boiler 1 - Spring loaded. Area of each valve 962 sq cm Pressure to which they are adjusted 171 lbs sq in

Are they fitted with easing gear Yes. In case of donkey boilers state whether steam from main boilers can enter the donkey boiler
Smallest distance between boilers or uptakes and bunkers or woodwork not adjacent Height of Boiler 3300 mm Width and Length 1294 mm dia.

Steam Drums:—Number in each boiler none Inside diameter — Material of plates — Thickness —
Range of Tensile Strength — Are drum shell plates welded or flanged — Description of riveting:—

Cir. seams — long. seams — Diameter of rivet holes in long. seams — Pitch of Rivets —
Lap of plate or width of butt straps — Thickness of straps — Percentage strength of long. joint:—Plate — Rivet —

Diameter of tube holes in drum — Pitch of tube holes — Percentage strength of shell in way of tubes —
If Drum has a flat side state method of staying — Depth and thickness of girders at centre

(if fitted) — Distance apart — Number and pitch of stays in each — Working pressure —
by rules — Steam Drum Heads or Ends:—Material none Thickness — Radius or how stayed —

Size of Manhole or Handhole — Water Drums:—Number in each boiler — Inside Diameter —
Material of plates — Thickness — Range of tensile strength — Are drum shell plates welded

or flanged — Description of riveting:—Cir. seams — long. seams — Diameter of Rivet Holes in
long. seams — Pitch of rivets — Lap of plates or width of butt straps — 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:—Material — Thickness —

Radius or how stayed — Size of manhole or handhole — Headers or Sections:—Number 2
Material forged steel Thickness 20 mm Tested by Hydraulic Pressure to 21.5 kg/cm² Material of Stays —

Area at smallest part — Area supported by each stay — Working Pressure by Rules — Tubes:—Diameter 32 mm ext.
Thickness 3 mm Number — Steam Dome or Collector:—Description of Joint to Shell —

Percentage strength of Joint — Diameter — Thickness of shell plates — Material —
Description of longitudinal joint — Diameter of Rivet Holes — Pitch of Rivets — Working Pressure of shell —

by Rules — Crown or End Plates:—Material — Thickness — How stayed —
UPERHEATER. Type none Date of Approval of Plan — 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 —
Diameter of Safety Valve — Pressure to which each is adjusted — Is easing gear fitted —

Is a drain cock or valve fitted at lowest point of superheater — Number, diameter, and thickness of tubes —
Spare Gear. Tubes — Gaskets or joints:—Manhole — Handhole — Handhole plates —

The foregoing is a correct description,

Manufacturer.

Dates of Survey
During progress of work in shops --
while During erection on board vessel --

Is the approved plan of boiler forwarded herewith

Total No. of visits

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

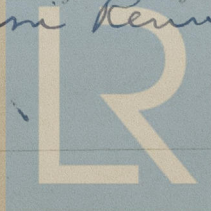
Galveston April 1941 These boilers are efficiently installed in the vessel examined under steam. Safety valves observed lifting at working pressure, & so far as seen, all found in good & safe working condition

Survey Fee ... : : When applied for, 19
Travelling Expenses (if any) £ : : When received, 19

Engineer Surveyor to Lloyd's Register of Shipping.

TUE. 29 JUL 1941

See Gal. R.E. 4080



Lloyd's Register Foundation

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