

REPORT ON BOILERS.

No. 12872

Received at London Office

Date of writing Report MAY/AUG 1960 When handed in at Local Office Aug. 19.60 Port of MarseillesNo. in Survey held at Soc. des For. de la Méditerranée Date, First Survey 9.6.59 Last Survey 29.4.60 19
Reg. Book. La Seyne-sur-MerNo. 42646 on the M.S. "LA ESTANCIA" (Number of Visits) Tons Gross 9485,62
Net 5956,66Built at La Seyne-sur-Mer By whom built Soc. des For. de la Méditerranée Yard No. 1340 When built 1960
La Seyne-sur-MerEngines made at Le Havre By whom made Soc. des For. de la Méditerranée Engine No. 300 When made 1960
1 fired Le HavreBoilers/made at Edinburgh By whom made A. Stevenson & Co. Ltd Boiler No. J.2673 When made 1959Owners Burmes Markes Ltd Port belonging to London

COMBINED OIL FIRED & EXHAUST GAS BOILER WITH STEAM DRUM

VERTICAL BOILER: See report No. 24686 dated 11.11.59 from the Port of Leith.
EXHAUST BOILER & STEAM DRUM: Made at La Seyne By whom made Soc. des For. de la Méditerranée Ext. Gas Bler 1960 in engine room casing
Boiler No. When made 1960 at level of bridge deck
Steam Drum 1960 Where fixed at side of O.F. boilerManufacturers of Steel Usinor - Denain (Nord)Total Heating Surface of each Boiler (Ext. Gas. Boiler) 100m2 Is forced draught fitted --- Coal or Oil fired ---No. and Description of Boilers Exhaust Gas Boiler (type Gotaverken) & Steam Drum Working Pressure 6 kg/cm2 (both)Tested by hydraulic pressure to 12 kg/cm2 (both) Ext. Gas. Bler 21.3.60 Ext. Gas. Bler 1960
Date of test 5.2.60 No. of Certificate C.3837
Steam drum 1960 Steam DrumArea of fire grate in each Boiler --- No. and description of safety valves one double safety valves: high lift type
Area of each set of valves per boiler per Rule 2230 mm2 Steam Drum see Rouen Cert. No. 1325
as fitted 2512 mm2 Pressure to which they are adjusted (all) 6 kg/cm2 Are they fitted with easing gear yesState whether steam from main boilers can enter the donkey boiler --- Smallest distance between boiler or uptake and bunkers
or woodwork --- Is oil fuel carried in the double bottom under boiler --- Smallest distance between base of boiler and tank top platingIs the base of the boiler insulated --- Largest internal dia. of boiler --- Height ---Shell plates: Ext. Gas. Bler Ext. Gas. Bler 41,5/41,0 Thickness 12 mm
Material boiler quality steel Tensile strength 41,5 kg/mm2
Steam Drum 43,8/45,4 Thickness 9 mmAre the shell plates welded or flanged welded If fusion welded, state name of welding firm Soc. des For. de la MéditerranéeHave all the requirements of the Rules for Class A vessels been complied with Ext. Gas. Bler class 2 A La Seyne
Steam Drum class 2 A Description of riveting: circ. seams end. ---
inter. ---long. seams --- Dia. of rivet holes in circ. seams --- Pitch of rivets --- Thickness of butt straps outer ---
long. seams --- inner ---Shell Crown: Whether complete hemisphere, dished partial spherical, or flat --- Material --- Tensile strength --- Thickness ---Radius --- Description of Furnace: Plain, spherical, or dished crown --- Material ---Tensile strength --- Thickness --- External diameter top --- Length as per Rule ---
bottom ---Pitch of support stays circumferentially --- and vertically --- Are stays fitted with nuts or riveted over ---Diameter of stays over thread --- Radius of spherical or dished furnace crown ---Thickness of Ogee Ring --- Diameter as per Rule D ---
d ---Combustion Chamber: Material --- Tensile strength --- Thickness of top plate ---Radius if dished --- Thickness of back plate --- Diameter if circular ---Length as per Rule --- Pitch of stays ---Are stays fitted with nuts or riveted over --- Diameter of stays over thread ---Ext. Gas. Boiler Boiler quality steel 44,5 kg/mm2 Thickness 40 mm Mean pitch of stay tubes in nests ---
Tube Plates: Material 41,4/47 kg/cm2 Tensile strength 43,6 kg/mm2If comprising shell, dia. as per Rule front --- Pitch in outer vertical rows --- Dia. of tube holes FRONT stay --- BACK stay ---
back --- plain --- plain ---Is each alternate tube in outer vertical rows a stay tube ---Girders to Combustion Chamber Tops: Material --- Tensile strength ---Depth and thickness of girder at centre --- Length as per Rule ---Distance apart --- No. and pitch of stays in each ---

MARKINGS:

Exhaust, Gas, Boiler: PF 21/3/60 - Lloyd's Register - pressure test : 12 kg/cm2 WP= 6kg/cm2 2340

Steam drum : PF 5/2/60 - Lloyd's Register - pressure test : 12 kg/cm2 WP= 6 kg/cm2 2340

DISHED ENDS:

Exhaust Gas Boiler: (upper and lower)- Dished partial - Material : boiler quality steel 41/47 kg/mm2
Tensile strength: 41,0/42,1 kg/mm2 - Thickness: 12 mm - Radius: 650 mm
See Valenciennes Cert. No.2618 dated: 17.3.60

Steam Drum: (f. & a.)- dished partial - Material : boiler quality steel 41/47 kg/mm2
Tensile strength: 41,0/41,0 kg/mm2 - Thickness: 10 mm - Radius: 900 mm
See Valenciennes Cert. No.2362 dated: 8.9.59

Crown Stays: Material Tensile strength Diameter { at body of stay,
or over threads

No. of threads per inch Screw Stays: Material Tensile strength

Diameter { at turned off part, No. of threads per inch Are the stays drilled at the outer ends
or over threads

Ext. Gas Boiler

Tubes: Material seamless SM steel External diameter { Thickness {
See: Saarbrücken Cert. No.S.C.559

No. of threads per inch Pitch of tubes 70 x 89 mm

Manhole Compensation: Size of opening in dished ends boiler- 300x400 mm (flanged) No. of rivets and diameter
dished ends drum - 300x400 mm 20 x 60 mm

of rivet holes Outer row rivet pitch at ends Depth of flange if manhole flanged (Ext. Gas Blr) 72

Uptake: External diameter Thickness of uptake plate

Cross Tubes: No. External diameters { Thickness of plates

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with

The foregoing is a correct description,
L'Ingénieur Principal
Chef de la Section "MACHINES"
Signé: D. G. M. J.

Dates of Survey { During progress of work in shops - - - Is the approved plan of boiler forwarded herewith (If not state date of approval.)
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.)

The exhaust gas boiler and associated steam drum have been made under special survey in accordance with the approved plans and satisfactorily tested as per Rules. The materials and workmanship are good.

The boiler was examined under working conditions and all safety valves tested and adjusted in accordance with Rules requirements.

Survey Fee ... NF : 469,- When applied for 10.5. 1960

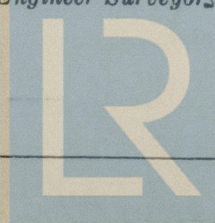
Travelling Expenses (if any) NF : 15,- When received 31.8. 1960

Date FRIDAY - 7 OCT 1960

Committee's Minute

See Rpt. 1.

Engineer Surveyor to Lloyd's Register of Shipping.



© 2021

Lloyd's Register Foundation