

REPORT ON BOILERS.

No. 17700.

Received at London Office. 7 SEP 1950

Date of writing Report 28th August 1950. When handed in at Local Office 6th September 50. Port of Gothenburg

No. in Reg. Book. Survey held at Gothenburg Date, First Survey 16th February Last Survey 15th August 1950.

90155 on the Motor Tanker "E T N E F J E L L" (Number of Visits 12) Gross 9832 Tons Net 5753

Built at Gothenburg By whom built Eriksbergs Mek. Verkstads A-B. Yard No. 397 When built 1950

Engines made at Gothenburg By whom made Eriksbergs Mek. Verkstads A-B. Engine No. 494 When made 1950

Boilers made at Glasgow By whom made Broomside Boiler Works Barclay Curle & Co., Ltd. Boiler No. 50421 When made 1949

Nominal Horse Power Owners A/S Dovrefjell Port belonging to Oslo

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Colvilles, Ltd. (Letter for Record 8)

Total Heating Surface of Boilers Of Superheaters

Total for Register Book Is forced draught fitted Yes Coal or Oil fired Oil

No. and Description of Boilers 2 single ended multitubular donkey boilers Working Pressure 143 lb/sq. inch.

Tested by hydraulic pressure to Date of test No. of Certificate Can each boiler be worked separately Yes

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler 1 double spring loaded

Area of each set of valves per boiler { per Rule 10780 mm². as fitted 15700 mm². Pressure to which they are adjusted 143 lb/in² Are they fitted with easing gear Yes

In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No main boilers fitted

Smallest distance between boilers or uptakes and bunkers or woodwork 800 mm. from AP Bhd oil fuel carried in the double bottom under boilers.

Smallest distance between shell of boiler and tank top plating Boilers placed on a platform aft in the engine room Is the bottom of the boiler insulated Yes

Largest internal dia. of boilers Length Shell plates: Material Tensile strength

If fusion welded, state name of welding Firm Have all the requirements of the Rules for Class I vessels

been complied with Thickness Are the shell plates welded or flanged Description of riveting: circ. seams { end. inter.

long. seams Diameter of rivet holes in { circ. seams. long. seams. Pitch of rivets {

Percentage of strength of circ. end seams { plate. rivets. Percentage of strength of circ. intermediate seam { plate. rivets.

Percentage of strength of longitudinal joint { plate. rivets. combined.

Thickness of butt straps { outer. inner. No. and Description of Furnaces in each Boiler

Material Tensile strength Smallest outside diameter

Length of plain part { top. bottom. Thickness of plates Description of longitudinal joint

Dimensions of stiffening rings on furnace or c.c. bottom

End plates in steam space: Material Tensile strength Thickness Pitch of stays

How are stays secured

Tube plates: Material { front. back. Tensile strength Thickness

Mean pitch of stay tubes in nests Pitch across wide water spaces

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 Combustion chamber plates: Material

Tensile strength Thickness: Sides Back Top Bottom

Pitch of stays to ditto: Sides Back Top Are stays fitted with nuts or riveted over

Front plate at bottom: Material Tensile strength

Thickness Lower back plate: Material Tensile strength Thickness

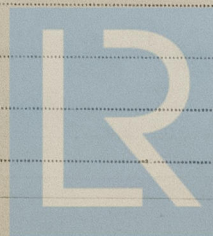
Pitch of stays at wide water space Are stays fitted with nuts or riveted over

Main 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. or Over threads. No. of threads per inch



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Are the stays drilled at the outer ends..... Margin stays: Diameter { At turned off part or Over threads.....

No. of threads per inch.....

Tubes: Material..... External diameter { Plain..... Stay..... Thickness { No. of threads per inch.....

Pitch of tubes..... Manhole compensation: Size of opening in.....

shell plate..... Section of compensating ring..... No. of rivets and diameter of rivet holes.....

Outer row rivet pitch at ends..... Depth of flange if manhole flanged..... Steam Dome: Material.....

Tensile strength..... Thickness of shell..... Description of longitudinal joint.....

Diameter of rivet holes..... Pitch of rivets..... Percentage of strength of joint { Plate..... Rivets.....

Internal diameter..... Thickness of crown..... No. and diameter of stays.....

Inner radius of crown.....

How connected to shell..... Size of doubling plate under dome..... Diameter of rivet holes and pitch of rivets in outer row in dome connection to shell.....

Type of Superheater..... Manufacturers of { Tubes..... Steel forgings..... Steel castings.....

Number of elements..... Material of tubes..... Internal diameter and thickness of tubes.....

Material of headers..... Tensile strength..... Thickness..... Can the superheater be shut off and the boiler be worked separately..... Is a safety valve fitted to every part of the superheater which can be shut off from the boiler.....

Area of each safety valve..... Are the safety valves fitted with easing gear.....

Pressure to which the safety valves are adjusted..... Hydraulic test pressure.....

tubes..... forgings and castings..... and after assembly in place..... Are drain cocks.....

valves fitted to free the superheater from water where necessary.....

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

The foregoing is a correct description,
ERIKSBERGS MEK. VERKSTÄDS A.-B.
Anders Lindh Manufacturer

Dates of Survey while building { During progress of work in shops - - - Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.)

{ During erection on board vessel - - - 16th February - 15th August, 1950 Total No. of visits 12

Is this Boiler a duplicate of a previous case..... Yes If so, state Vessel's name and Report No. M/T "Kollstein", Got.F.E.Rpt.No.1754.

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

These donkey boilers have been securely fitted in the vessel under our inspection and to our satisfaction and the safety valves have been adjusted under steam to 143 lbs. per square inch.

See also Glasgow report No.74918.

Survey Fee £ --- : --- : --- } When applied for.....19....

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

Sven Borin *Stig Larsson*
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute..... FRI. 22 SEP 1950

Assigned..... See minute on L.B. Rpt.



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