

REPORT ON BOILERS.

No. 10608

Received at London Office 3 JUL 1956

Date of writing Report 2/2 1956 When handed in at Local Office 1956 Port of Stockholm

No. in Reg. Book. 35538 Survey held at Gävle Date, First Survey 12.1.56. Last Survey 23.5. 1956

on the Steel Single Screw Trawler "TAGIL" (Number of Visits 3) Tons { Gross 688 Net 225

Built at Gävle By whom built A/B Gävle Varv Yard No. 91 When built 1956

Engines made at Gothenburg By whom made A/B Lindholmens Varv Engine No. 1339 When made 1955

Boilers made at Gothenburg By whom made A/B Lindholmens Varv Boiler No. 3110 When made 1955

MN as per Rule 144 Owners U.S.S.R. Port belonging to Murmansk

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel

Total Heating Surface of Boilers Of Superheaters

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

No. and Description of Boilers Working Pressure

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

Area of Firegrate in each Boiler No. and Description of safety valves to each boiler

Area of each set of valves per boiler { per Rule as fitted Pressure to which they are adjusted 15.5 kg/cm² 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 400 mm Is oil fuel carried in the double bottom under boilers No

Smallest distance between boilers or uptakes and bunkers or woodwork 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

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..... Yes.....
Pressure to which the safety valves are adjusted. 15.5 kg/cm^2 Hydraulic test pressure
tubes..... forgings and castings..... and after assembly in place..... Are drain cocks or
valves fitted to free the superheater from water where necessary.....
Have all the requirements of Sections 14 to 21 inclusive of the Rules been complied with.....

The foregoing is a correct description,
..... Manufacturer.....

Dates of Survey { During progress of work in shops - - } Got. report No. 21901..... Are the approved plans of boiler and superheater forwarded herewith.....
while building { During erection on board vessel - - } 12.1. - 23.5.1956..... (If not state date of approval.)
Total No. of visits..... 3.....

Is this Boiler a duplicate of a previous case..... Yes..... If so, state Vessel's name and Report No. Please see Got. rpt. No. 21901

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

This boiler has been fitted onboard under my supervision and to my satisfaction. Accumulation pressure test
carried out with satisfactory results and the safety valves of boiler and superheater adjusted under steam to 15.5 kg/cm^2

Survey Fee £ No charge.: } When applied for.....19.....
Travelling Expenses (if any) £ : : } When received.....19.....

J. E. Gibson
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute..... MONDAY 14 AUG 1956
Assigned..... See Item 10608