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## REPORT ON BOILERS

No. 3734

28 JAN 1958

Received at London Office

of writing Report. 23/1 1958 When handed in at Local Office. 27/1 1958 Port of M A L M Ö

in Survey held at M A L M Ö Date, First Survey 11/11 1957 Last Survey 14/1 1958

on the Motortanker "SOUTHERN CLIPPER" (Number of Visits 9) Tons Gross 13,069 Net -

at Malmö By whom built Kockums Mek. Verkstads AB Yard No. 394 When built 1958

next made at Malmö By whom made Kockums Mek. Verkstads AB Engine No. 772 When made 1958

key/ rs made at Gothenburg By whom made AB Lindholmens Varv Boiler No. 3210/1 When made 1957

0 nominal Horse Power - Owners Rederi AB Clipper Port belonging to Malmö

## L TITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

er of manufacturers of Steel - (Letter for Record -)

purpose Heating Surface of Boilers - Of Superheaters -

long at for Register Book - Is forced draught fitted Yes Coal or Oil fired Oil

and Description of Boilers - Working Pressure 180 lbs/sq"

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

of Firegrate in each Boiler - No. and Description of safety valves to each boiler 2 direct spring loaded.

of each set of valves per boiler { per Rule - as fitted 15700 mm 2 Pressure to which they are adjusted 180 lbs/sq" Are they fitted with easing gear Yes

se of donkey boilers, state whether steam from main boilers can enter the donkey boiler No main boiler

test distance between boilers or uptakes and bunkers or woodwork - Is oil fuel carried in the double bottom under boilers -

Material test distance between shell of boiler and tank top plating Donkey Boilers placed on a platform aft in E.R. Is the bottom of the boiler insulated Yes

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

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

omplied with Thickness Are the shell plates welded or flanged Description of riveting: circ. seams { end. inter. Pitch of rivets {

seams Diameter of rivet holes in { circ. seams long. seams Percentage of strength of circ. intermediate seam { plate rivets

ntage of strength of circ. end seams { plate rivets Percentage of strength of longitudinal joint { plate rivets combined

ntage of strength of longitudinal joint { plate rivets combined

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

ial Tensile strength Smallest outside diameter

anufact of plain part { top bottom Thickness of plates Description of longitudinal joint

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

lates in steam space: Material Tensile strength Thickness Pitch of stays

re stays secured

ary's le as poss plates: Material { front back Tensile strength Thickness

pitch of stay tubes in nests Pitch across wide water spaces

rs to combustion chamber tops: Material Tensile strength Depth and thickness of girder

tre Length as per Rule Distance apart No. and pitch of stays

Combustion chamber plates: Material

strength Thickness: Sides Back Top Bottom

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

plate at bottom: Material Tensile strength

vd's Reless Lower back plate: Material Tensile strength Thickness

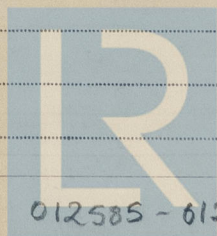
f stays at wide water space Are stays fitted with nuts or riveted over

ays: Material Tensile strength

full water { At body of stay or Over threads No. of threads per inch

ays: Material Tensile strength

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..... Thickness { No. of threads per inch.....  
Stay.....  
Pitch of tubes..... Manhole compensation: Size of op  
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 dia  
stays..... Inner radius of crown.....  
How connected to shell..... Size of doubling plate under dome..... Diameter of rivet holes  
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  
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  
tubes..... forgings and castings..... and after assembly in place..... Are drain  
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,.....  
KOCKUMS  
MEKANISKA VERKSTÄDS AB  
G. Lundegvis

Dates of Survey { During progress of work in shops - - - - -  
while building { During erection on board vessel - - - - -  
Please see Gothenburg Report No. 22962.  
Are the approved plans of boiler and superheater forwarded herewith.....  
(If not state date of approval.)  
11/11 1957 - 14/1 1958. Total No. of visits..... 9

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.)

These donkey boilers have been securely fitted in the vessel under my inspection and to my satisfaction and the  
safety valves adjusted under steam to 180 lbs per square inch.

Please see also Gothenburg Report No. 22962.

Photostat copy of above report is returned herewith.

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

Engineer Surveyor to Lloyd's Register of Sh

Committee's Minute..... TUESDAY - 4 MAR 1958

Assigned..... See Rpt. 1.



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