

Rpt. 5a.

REPORT ON BOILERS.

No. 17660.

28 AUG 1950

Received at London Office.

Date of writing Report 16th Aug. 1950. When handed in at Local Office 22nd Aug. 1950. Port of Gothenburg

No. in Reg. Book. Survey held at Uddevalla Date, First Survey 18th February Last Survey 14th July 1950.

36036 on the Motor Tanker "I S L A S M A L V I N A S" (Number of Visits 5) Gross 9822 Tons Net 5565

Built at Uddevalla By whom built Uddevallavarvet A-B. Yard No. 111 When built 1950

Engines made at Milwaukee, U.S.A. By whom made Nordberg Manufacturing Company Engine No. TSM-2971-2 When made 1949

Boilers made at Paisley, Scotland By whom made A.F. Craig & Co., Ltd. Boiler No. 23058 23065 When made 1950

Nominal Horse Power --- Owners Argentine Government (Yacimientos Petroliferos Fiscales) Port belonging to Buenos Aires

MULTITUBULAR BOILERS ~~XXXXXXXXXXXXXXXXXXXX~~ DONKEY.

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

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 Working Pressure 150 lbs/in².

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 7000 mm² as fitted 11350 mm² } Pressure to which they are adjusted 150 lbs/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 825 mm. from AP Bhd oil fuel carried in the double bottom under boilers.

Smallest distance between shell of boiler and tank top plating on a platform aft in the E.R. Boilers placed in a separate 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.....Thickness { No. of threads per inch.....
Stay.....
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 or
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 UDDENHALLA VAPOR description,
AKTIEBOLAG Manufact

Dates { During progress of work in shops - - - - - Are the approved plans of boiler and superheater forwarded herewith.....
of Survey { During erection on board vessel - - - - - (If not state date of approval.)
while building { 18th February - 14th July, 1950. Total No. of visits.....5

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 have been adjusted under steam to 150 lbs. per square inch.

The boilers have been marked:

948 - 949
Nos. 23058-23065
Lloyd's test 275 lbs.
WP 150 lbs.
RJE 16.1.50, 19.1.50

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

Onders Sjögren
Engineer Surveyor to Lloyd's Register of Shipping.

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

Assigned.....See F.E. mch. rpt.



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