

REPORT ON BOILERS.

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. 36036 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.....) Tons Gross 9822
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-2911-2 When made 1949

Boilers made at Paisley, Scotland By whom made A.F. Craig & Co., Ltd. Boiler No. 23058 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 Boilers placed in a separate room on a platform aft in the E.R. 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 --- inter. ---

long. seams --- Diameter of rivet holes in --- Pitch of rivets ---

Percentage of strength of circ. end seams --- Percentage of strength of circ. intermediate seam ---

Percentage of strength of longitudinal joint --- rivets --- combined ---

Thickness of butt straps --- No. and Description of Furnaces in each Boiler ---

Material --- Tensile strength --- Smallest outside diameter ---

Length of plain part --- 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 --- 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 --- No. of threads per inch ---

Screw stays: Material --- Tensile strength ---

Diameter --- No. of threads per inch ---

At turned off part, --- No. of threads per inch ---

Over threads ---



Yes, (If not, state what will be sent?)

Ex 18/9/50

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 UDDENVAL LARVET description,
 KATTIEBOLAG Manufact

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

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.

