

REPORT ON BOILERS.

No. 4743a

Received at London Office

23 JUN 1936

Date of writing Report 17/6 1936 When handed in at Local Office 17/6 1936 Port of Oslo
 No. in Survey held at Book. Date, First Survey 21/10.35 Last Survey 14/6 1936
 (Number of Visits 7) Tons Gross Net
 on the whaling factory "TERJE VIKEN"
 Built at Wesen By whom built Deutsche Schiff und Maschinen G.G. Yard No. When built
 By whom made Engine No. When made
 Boilers made at Oslo By whom made Kvaerner Bryggeri Boiler No. When made 1936
 Owners United Whalers Ltd. Port belonging to London
 Manager: K. Nuzze, Tinsberg
 Minimal Horse Power

Whale oil

MULTITUBULAR BOILERS—MAIN, AUXILIARY, OR DONKEY.

Manufacturers of Steel Vithorne (Mines) Ltd. in works Cap. Calveilles Ltd. (Letter for Record see next page)
 Total Heating Surface of Boilers Is forced draught fitted Coal or Oil fired
 and Description of Boilers 28 extractors for whale oil boiler Working Pressure 60 lbs.
 tested by hydraulic pressure to 120 lbs. Date of test see next page No. of Certificate Can each boiler be worked separately 4
 Area of Firegrate in each Boiler No. and Description of safety valves to each boiler One single spring loaded
 Area of each set of valves per boiler { per Rule 2.24 in. Pressure to which they are adjusted Are they fitted with easing gear
 { as fitted
 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 Is oil fuel carried in the double bottom under boilers
 Smallest distance between shell of boiler and tank top plating Is the bottom of the boiler insulated
 Largest internal dia. of boilers 2250 mm. Length 3400 mm. Shell plates: Material S.M. steel Tensile strength 44-55 kg/cm²
 Thickness 10 mm. Are the shell plates welded or flanged Description of riveting: circ. seams { end S.R. lap
 { inter.
 g. seams D.R. lap Diameter of rivet holes in { circ. seams 20 mm. Pitch of rivets { 52.2 mm.
 { long. seams 20 mm. { 66.7 mm.
 Percentage of strength of circ. end seams { plate 61.6 Percentage of strength of circ. intermediate seam { plate
 { rivets 41.4 { rivets
 Percentage of strength of longitudinal joint { plate 70. Working pressure of shell by Rules 5.6 kg/cm²
 { rivets 69.5 { combined
 Thickness of butt straps { outer
 { inner
 No. and Description of Furnaces in each Boiler
 Tensile strength Smallest outside diameter
 Length of plain part { top Thickness of plates { crown
 { bottom { bottom Description of longitudinal joint
 Dimensions of stiffening rings on furnace or c.c. bottom Working pressure of furnace by Rules
 and plates in steam space: Material S.M. steel Tensile strength 41.47 kg/cm² Thickness 17 mm. Pitch of stays 6 inches
 How are stays secured Radius of disk ends 3300 mm. Working pressure by Rules 4.3 kg/cm²
 Tube plates: Material { front Tensile strength Thickness
 { back
 Can pitch of stay tubes in nests Pitch across wide water spaces Working pressure { front
 { back
 Orders to combustion chamber tops: Material Tensile strength Depth and thickness of girder
 centre Length as per Rule Distance apart No. and pitch of stays
 each Working pressure by Rules Combustion chamber plates: Material
 Thickness: Sides Back Top Bottom
 Tensile strength Are stays fitted with nuts or riveted over
 Pitch of stays to ditto: Sides Back Top Tensile strength
 Working pressure by Rules Front plate at bottom: Material Thickness
 Thickness Lower back plate: Material Tensile strength
 Are stays fitted with nuts or riveted over
 Pitch of stays at wide water space Tensile strength
 Working Pressure Main stays: Material Tensile strength
 Diameter { At body of stay, No. of threads per inch Area supported by each stay
 { Over threads
 Working pressure by Rules Screw stays: Material Tensile strength
 Diameter { At turned off part, No. of threads per inch Area supported by each stay
 { Over threads

5410-16M

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

For A/S KJERNER BRUG

Manufacturer.

Are the approved plans of boiler and superheater forwarded herewith
(If not state date of approval.) 2/12/34. Sent

Total No. of visits **7**

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

The boilers were constructed in accordance with the approved plan. The steel material employed in the construction were made at approved works and were tested by the Society's Surveyors. The workmanship is good.

3 off 21.10.35 P.E
2 - 14.12.35 P.E
3 - 17.12.35 P.E.
10 - 19.2.36 P.B.R.
3 - 12.3.36 P.B.R.
3 - 13.3.36 P.E

When applied for, ¹⁴⁶ 1936

When received, 28-7 1936

Engineer Surveyor to Lloyd's Register of Shipping.

FRI. 16 OCT 1936

see Bremer. 1829

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