

# REPORT ON BOILERS.

No. 35215

Received at London Office

Date of writing Report 4th Jan. 19 60 When handed in at Local Office 10.1. 19 60 Port of Antwerp  
 Survey held at Tamise/ Date, First Survey 17/6/59. Last Survey 5/12/ 19 59  
 on the m.v. "HECTOR HAWK" (Number of Visits 12)  
 Tons { Gross 16300  
 Net  
 at Tamise, Belgium By whom built J. Boel & Son S/A. Yard No. 1362 When built 1959-12  
 engines made at Copenhagen By whom made Messrs. Burmeister & Wain Engine No. 6488 When made 1959-2  
 boilers made at Birmingham By whom made Wrights Forge & Eng. Co. Ltd. Boiler No. J. 2431 When made 1959  
 owners Hector Whaling Ltd. Port belonging to London

## VERTICAL BOILER.

By whom made \_\_\_\_\_ Boiler No. \_\_\_\_\_ When made \_\_\_\_\_ Where fixed \_\_\_\_\_  
 Manufacturers of Steel \_\_\_\_\_  
 Heating Surface of each Boiler \_\_\_\_\_ Is forced draught fitted \_\_\_\_\_ Coal or Oil fired \_\_\_\_\_  
 and Description of Boilers \_\_\_\_\_ Working Pressure \_\_\_\_\_  
 tested by hydraulic pressure to \_\_\_\_\_ Date of test \_\_\_\_\_ No. of Certificate \_\_\_\_\_  
 of fire grate in each Boiler \_\_\_\_\_ No. and description of safety valves to each boiler \_\_\_\_\_  
 of each set of valves per boiler { per Rule \_\_\_\_\_ as fitted \_\_\_\_\_ Pressure to which they are adjusted \_\_\_\_\_ Are they fitted with easing gear \_\_\_\_\_  
 whether steam from main boilers can enter the donkey boiler \_\_\_\_\_  
 woodwork \_\_\_\_\_ Is oil fuel carried in the double bottom under boiler \_\_\_\_\_ Smallest distance between boiler or uptake and bunkers \_\_\_\_\_  
 Is the base of the boiler insulated \_\_\_\_\_ Smallest distance between base of boiler and tank top plating \_\_\_\_\_  
 plates: Material \_\_\_\_\_ Tensile strength \_\_\_\_\_ Height \_\_\_\_\_ Thickness \_\_\_\_\_  
 the shell plates welded or flanged \_\_\_\_\_ If fusion welded, state name of welding firm \_\_\_\_\_  
 all the requirements of the Rules for Class I vessels been complied with \_\_\_\_\_ Description of riveting: circ. seams { end \_\_\_\_\_ inter \_\_\_\_\_  
 seams \_\_\_\_\_ Dia. of rivet holes in { circ. seams \_\_\_\_\_ long. seams \_\_\_\_\_ Pitch of rivets { \_\_\_\_\_ Thickness of butt straps { outer \_\_\_\_\_ inner \_\_\_\_\_  
 Crown: Whether complete hemisphere, dished partial spherical, or flat \_\_\_\_\_ Material \_\_\_\_\_ Tensile strength \_\_\_\_\_ Thickness \_\_\_\_\_  
 Description of Furnace: Plain, spherical, or dished crown \_\_\_\_\_ Material \_\_\_\_\_  
 strength \_\_\_\_\_ Thickness \_\_\_\_\_ External diameter { top \_\_\_\_\_ bottom \_\_\_\_\_ Length as per Rule \_\_\_\_\_  
 of support stays circumferentially \_\_\_\_\_ and vertically \_\_\_\_\_ Are stays fitted with nuts or riveted over \_\_\_\_\_  
 diameter of stays over thread \_\_\_\_\_ Radius of spherical or dished furnace crown \_\_\_\_\_  
 thickness of Ogee Ring \_\_\_\_\_ Diameter as per Rule { D \_\_\_\_\_ d \_\_\_\_\_  
 Combustion Chamber: Material \_\_\_\_\_ Tensile strength \_\_\_\_\_ Thickness of top plate \_\_\_\_\_  
 as if dished \_\_\_\_\_ Thickness of back plate \_\_\_\_\_ Diameter if circular \_\_\_\_\_  
 as per Rule \_\_\_\_\_ Pitch of stays \_\_\_\_\_  
 stays fitted with nuts or riveted over \_\_\_\_\_ Diameter of stays over thread \_\_\_\_\_  
 Plates: Material { front \_\_\_\_\_ back \_\_\_\_\_ Tensile strength { \_\_\_\_\_ Thickness { \_\_\_\_\_ Mean pitch of stay tubes in nests \_\_\_\_\_  
 surprising shell, dia. as per Rule { front \_\_\_\_\_ back \_\_\_\_\_ Pitch in outer vertical rows { \_\_\_\_\_ Dia. of tube holes FRONT { stay \_\_\_\_\_ plain \_\_\_\_\_ BACK { stay \_\_\_\_\_ plain \_\_\_\_\_  
 alternate tube in outer vertical rows a stay tube \_\_\_\_\_  
 to Combustion Chamber Tops: Material \_\_\_\_\_ Tensile strength \_\_\_\_\_  
 and thickness of girder at centre \_\_\_\_\_ Length as per Rule \_\_\_\_\_  
 ce apart \_\_\_\_\_ No. and pitch of stays in each \_\_\_\_\_



**Crown 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.....

**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 dia.....  
of rivet holes..... Outer row rivet pitch at ends..... Depth of flange if manhole flanged.....

**Uptake:** External diameter..... Thickness of uptake plate.....

**Cross Tubes:** No..... External diameters { ..... Thickness of plates.....

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

The foregoing is a correct description,

Manufacture at T1

Dates of Survey { During progress of } Is the approved plan of boiler forwarded herewith.....  
work in shops - - } (If not state date of approval.)  
while building { During erection on } 1959 June 12, 24 Oct. 14, 22, 28, 29, 30, Nov. 10, Dec. 1, 2, 3, 5. Total No. of visits 12  
board vessel - - }

Is this Boiler a duplicate of a previous case..... No..... If so, state Vessel's name and Report No.....

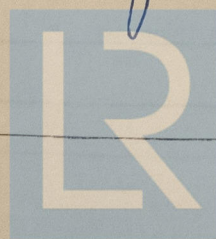
**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.).....

This boiler has been installed in the above vessel under the Special Survey of the Society's Surveyors in accordance with the Rules. The safety valves have been adjusted under steam to the pressure noted above and a satisfactory accumulation test has been carried out.

Survey Fee ... .. £ : See Rpt. 4b: When applied for 12. 1. 1960  
Travelling Expenses (if any) £ : When received 19

Date FRIDAY - 4 MAR 1960  
Committee's Minute See Rpt. 1.

John W. D. Forbes  
Engineer Surveyor to Lloyd's Register of Shipping



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Foundation