

REPORT ON WATER TUBE BOILERS.

No. 11747

Date of writing Report 13th July 1945 When handed in at Local Office 19 Port of Copenhagen
 Received at London Office 25 AUG 1945
 No. in Survey held at Shinore and Odense Date, First Survey 23rd February 1944 Last Survey 9th July 1945
 Reg. Bk. on the Shel Single Screw Motor Tanker HENNING MÆRSK (Number of Visits 1) Gross 10105.79
 Master Odense Built at Odense By whom built Odense Skibskonstruktørfabrik When built 1944
 Engines made at Copenhagen By whom made H. Burmeister & Wain's Maskin- & Skibsbyggeri When made 1941
 Boilers made at Shinore By whom made H. Burmeister & Wain's Maskin- & Skibsbyggeri When made 1942
 Registered Horse Power ✓ Owners Dampskibsselskabet af 1912 A/S Port belonging to Fredericia
Dampskibsselskabet "Svendborg"

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel HEADERS: Helsingørsk Jernskibs- & Maskinbyggeri
 (Letter for Record 5) Date of Approval of plan 17.1.1944 Number and Description or Type
 of Boilers off "La Mont" exhaust fired Working Pressure 12.63 kg/cm² Tested by Hydraulic Pressure to 38 kg/cm² Date of Test 17.4.1944
 No. of Certificate 692 Can each boiler be worked separately no Total Heating Surface of Boilers 494
 Is forced draught fitted no Area of fire grate (coal) in each Boiler ✓ Total grate area of boilers in vessel including
0/2-AND EXHAUST FIRED No. and type of burners (oil) in each boiler ✓ No. and description of safety valves on
 Main and Auxiliary 347 each boiler 1 off directly spring loaded Area of each valve 1400 7/4 Pressure to which they are adjusted 12.63 kg/cm² 180 lb/in²
 Are they fitted with easing gear yes In 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 5500 7/4 Height of Boiler 1250 7/4 Width and Length 1200 7/4
Steam Drums:—Number in each boiler ✓ Inside diameter ✓ Material of plates ✓ Thickness ✓
 Range of Tensile Strength ✓ Are drum shell plates welded or flanged ✓ Description of riveting:—
 Cir. seams long. seams Diameter of rivet holes in long. seams ✓ Pitch of Rivets ✓
 Lap of plate or width of butt straps ✓ Thickness of straps ✓ Percentage strength of long. joint:—Plate ✓ Rivet ✓
 Diameter of tube holes in drum ✓ Pitch of tube holes ✓ Percentage strength of shell in way of tubes ✓
 If Drum has a flat side state method of staying ✓ Depth and thickness of girders at centre ✓
 (if fitted) Distance apart ✓ Number and pitch of stays in each ✓ Working pressure ✓
 by rules ✓ **Steam Drum Heads or Ends:**—Material ✓ Thickness ✓ Radius or how stayed ✓
 Size of Manhole or Handhole ✓ **Water Drums:**—Number in each boiler ✓ Inside Diameter ✓
 Material of plates ✓ Thickness ✓ Range of tensile strength ✓ Are drum shell plates welded ✓
 or flanged ✓ Description of riveting:—Cir. seams ✓ long. seams ✓ Diameter of Rivet Holes in ✓
 long. seams ✓ Pitch of rivets ✓ Lap of plates or width of butt straps ✓ Thickness of straps ✓
 Percentage strength of long. joint:—Plate ✓ Rivet ✓ Diameter of tube holes in drum ✓ Pitch of tube holes ✓
 Percentage strength of drum shell in way of tubes ✓ **Water Drum Heads or Ends:**—Material ✓ Thickness ✓
 Radius or how stayed ✓ Size of manhole or handhole ✓ **Headers or Sections:**—Number 2 off ✓
 Material ✓ Tested by Hydraulic Pressure to 38 kg/cm² Material of Stays ✓
 Area at smallest part ✓ Area supported by each stay ✓ Working Pressure by Rules ✓ **Tubes:**—Diameter 26/32 7/4
 Thickness 3 7/4 Number 5 - 2 4 2 **Steam Dome or Collector:**—Description of Joint to Shell ✓
 Percentage strength of Joint ✓ Diameter ✓ Thickness of shell plates ✓ Material ✓
 Description of longitudinal joint ✓ Diameter of Rivet Holes ✓ Pitch of Rivets ✓ Working Pressure of shell ✓
 by Rules ✓ **Crown or End Plates:**—Material ✓ Thickness ✓ How stayed ✓

SUPERHEATER. Type ✓ Date of Approval of Plan ✓ Tested by Hydraulic Pressure to ✓
 Date of Test ✓ Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler ✓
 Diameter of Safety Valve ✓ Pressure to which each is adjusted ✓ Is easing gear fitted ✓
 Is a drain cock or valve fitted at lowest point of superheater ✓ Number, diameter, and thickness of tubes ✓
Spare Gear. Tubes ✓ Gaskets or joints:—Manhole ✓ Handhole ✓ Handhole plates ✓

The foregoing is a correct description,

ACTIESELSKABET

HELSENGØRS JERNSKIBS- OG MASKINBYGGERI Manufacturer.

Dates of Survey During progress of 1944: 23/7-4/9-22/9-6/10-17/10-20/10 Is the approved plan of boiler forwarded herewith yes
while During erection on 1944: 20/11-1945 8/1-29/1-30/1-3/5-7/6-27/6-29/9
building board vessel --- Total No. of visits 19

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This exhaust fired donkey boiler has been constructed and installed on board under special survey in accordance with the Rules and the approved plans. The material has been tested as required by the Rules and the workmanship is good. An interim certificate issued as per copy enclosed.

Recommend the vessel to have notation of 1 DB (WT) 180 lb.

Survey Fee ... £ 200.00 : } When applied for, 23.10 1944
 Travelling Expenses (if any) £ 24.00 : } When received, 28.11 1944

L. Clausen J. Laugkilde Jensen
 Engineer Surveyors to Lloyd's Register of Shipping.

Committee's Minute 8 FEB 1946Assigned See F.E. machy. rpt

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Foundation