

REPORT ON BOILERS.

16375.

No.

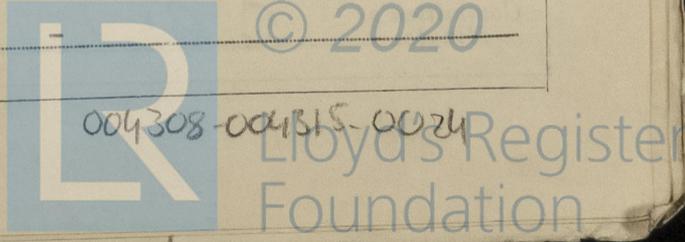
Received at London Office

14 MAR 1958

Report 31/1. 1958 When handed in at Local Office 19 Port of Copenhagen
Survey held at Aalborg and Odense Date, First Survey 7th May, 1956 Last Survey 7-1-1958
the M/V "LAUST MERSEK" (Number of Visits 17) (Gross 6418,68 Tons) (Net ..)
Odense By whom built Odense Staalskibsværft A/S Yard No. 141 When built 1958
at Copenhagen By whom made Burmeister & Wain Engine No. 5931 When made 1957
at Aalborg By whom made Aalborg Værft A/S Boiler No. 1441 When made 1956
A.P. Møller Port belonging to Copenhagen

BOILER.

By whom made Aalborg Værft A/S Boiler No. 1441 When made 1956 Where fixed Odense
Plates: Colvilles Ltd., Glasgow - Det Danske Staalvalseværk A/S
s of Steel Tubes: Stewarts & Lloyd's Ltd., Corby - Chesterfield Tube Co. Ltd., Chesterfield
Stays: Det Danske Staalvalseværk A/S, Frederiksværk
g Surface of each Boiler 70 m² Is forced draught fitted -yes- Coal or Oil fired oil fired
Description of Boilers 1 off vertical with vertical tube section Working Pressure 7 kg/cm²
Hydraulic pressure to 14 kg/cm² Date of test 26-9-56 No. of Certificate 925
Grate in each Boiler - No. and description of safety valves to each boiler 2 x 61 mm direct spring loaded
set of valves per boiler { per Rule 5300 mm² Pressure to which they are adjusted - Are they fitted with easing gear yes
as fitted 7920 " }
th steam from main boilers can enter the donkey boiler. Smallest distance between boiler or uptake and bunkers
Is oil fuel carried in the double bottom under boiler. Smallest distance between base of boiler and tank top plating
Is the base of the boiler insulated. Largest internal dia. of boiler 2200 mm Height 4180 mm
Material SM Steel Tensile strength 44,3 kg/mm² Thickness 12 mm
plates welded or flanged electr. welded If fusion welded, state name of welding firm Aalborg Værft A/S
requirements of the Rules for Class I vessels been complied with yes Description of riveting: circ. seams { end electr. welded
inter ..
electr. welded Dia. of rivet holes in { circ. seams .. Pitch of rivets { Thickness of butt straps { outer ..
long. seams .. inner ..
n: Whether complete hemisphere, dished partial spherical, or flat dished Material SM Steel Tensile strength 41/47 kg/mm² Thickness 14 mm
840 mm inst. Description of Furnace: Plain, spherical, or dished crown dished Material SM Steel
ngth 42,3 - 45,0 kg/mm² Thickness 19 mm External diameter { top 1700 mm Length as per Rule 948 mm
bottom 2008 mm }
port stays circumferentially - and vertically - Are stays fitted with nuts or riveted over -
stays over thread - Radius of spherical or dished furnace crown 1521 mm
of Ogee Ring 40 mm Diameter as per Rule { D 2200 mm
d 2080 mm }
n Chamber: Material - Tensile strength - Thickness of top plate -
ished - Thickness of back plate - Diameter if circular -
per Rule - Pitch of stays -
tted with nuts or riveted over - Diameter of stays over thread -
es: Material Top SM Steel Tensile strength { 41,6/43,0 kg/mm² Thickness { 22 mm Mean pitch of stay tubes in nests 287,5 mm
front SM Steel }
back SM Steel }
ng shell, dia. as per Rule { front .. Pitch in outer vertical rows { Dia. of tube holes FRONT { stay 65 mm
back .. } plain 65 mm BACK { stay 63,5 mm
plain 63,5 mm }
ornate tube in outer vertical rows a stay tube -
Combustion Chamber Tops: Material - Tensile strength -
of St thickness of girder at centre - Length as per Rule -
part - No. and pitch of stays in each -



Crown Stays: Material SM Steel Tensile strength 51.1 kg/mm² Diameter { at body of stay or over threads.

No. of threads per inch electr. welded 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 SM Steel External diameter { plain 63.5 mm stay 63.5 mm Thickness {

No. of threads per inch - Pitch of tubes 77 & 89 mm

Manhole Compensation: Size of opening in shell plate 338 & 438 mm Section of compensating ring 90 & 19 mm No. of rivets welded as per approved plan Outer row rivet pitch at ends - Depth of flange if manhole flanged -

Uptake: External diameter 318 mm Thickness of uptake plate 19 (7.5) mm

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

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



The foregoing is a correct description AALBORG VÆRFT A/S [Signature]

Dates of Survey while building { During progress of work in shops 7/5-25/5-27/5-3/7-12/7-9/8-15/8-22/8 30/8-19/9-26/9-1956 Is the approved plan of boiler forwarded herewith No. 8/2 (If not state date of approval.) During erection on board vessel 18/6-10/7-9/8-10/9-18/11-22/11 Total No. of visits 11 + 6

Is this Boiler a duplicate of a previous case yes If so, state Vessel's name and Report No. Odense Yard No. 138 Rpt.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The above boiler has been built Special Survey in accordance with the Rules, the approved plan No. AQ3:16971 and the Secret letters dated 8/2 and 1/4.1955.

The upper- and lower parts have been welded in accordance with the Rules for Class I and X-ray films have been examined by us and found satisfactory. The routine tests have been out with satisfactory results.

The material used in the construction has been tested as required by the Rules, and the work is good.

On completion of the installation the boiler was examined under full working conditions, safety valves adjusted under steam and a satisfactory accumulation test witnessed.

6-3-58

Survey Fee ... kr.: 300,00 When applied for 19/12 19 56

Travelling Expenses (if any) £ " : 60,00 When received 19

Entered in Cpn. R.F.B. on 17/12 1956

[Signatures] Engineer Surveyor to Lloyd's Register of

FRIDAY 11 APR 1958

Date Committee's Minute Su Rpt. 1

