

REPORT ON WATER TUBE BOILERS.

No. 26504

Received at London Office FEB 11 1938

Writing Report 10.1.1938 When handed in at Local Office 19 Port of ROTTERDAM

Survey held at ROTTERDAM Date, First Survey 8-4-37 Last Survey 7-12-1937

on the STEEL TWIN SCREW STEAMER OJEDA (Number of Visits 12.) Tons { Gross 2815 Net 1572.

Built at ROTTERDAM By whom built ROTTERDAMSCHER DOODOK MIJ When built 1937

Boilers made at ROTTERDAM By whom made ROTTERDAMSCHER DOODOK MIJ When made 1937

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Indicated Horse Power 366 Owners THE CARIBBEAN PETROLEUM CO LTD Port belonging to MARACAIBO

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel STEEL Co of SCOTLAND

Boilers for Record S Date of Approval of plan 23 DEC 1936 Number and Description or Type 2 BARCOCK & WILCOX Working Pressure 180 LBS Tested by Hydraulic Pressure to 320 LBS Date of Test 7-12-37

Certificate 1003 & 1004 Can each boiler be worked separately YES Total Heating Surface of Boilers 6520 sq. ft.

Boiler draught fitted YES Area of fire grate (coal) in each Boiler OIL Total grate area of boilers in vessel including and Auxiliary L No. and type of burners (oil) in each boiler 3 SWINNY BROS LTD and description of safety valves on boiler 2 SPRING LOADED HIGH LIFTING Area of each valve 706 CM² Pressure to which they are adjusted 180 LBS

Boilers fitted with easing gear YES In case of donkey boilers state whether steam from main boilers can enter the donkey boiler L

Least distance between boilers or uptakes and bunkers or woodwork OVER 36" Height of Boiler 11' 7 1/2" Width and Length 11' 1"

Number of Drums:—Number in each boiler ONE Inside diameter 3' 6" Material of plates S.M. STEEL Thickness 1 1/8" & 1/2"

Percentage of Tensile Strength 28-32 TONS Are drum shell plates welded or flanged NO Description of riveting:—seams LAP. LRIV. long. seams DOUBLE BUTT JRM Diameter of rivet holes in long. seams 27/32 Pitch of Rivets 3.1297"

Thickness of plate or width of butt straps 9 1/16" & 8 1/16" Thickness of straps 1/2" Percentage strength of long. joint:—Plate 73.87 Rivet 102.1

Diameter of tube holes in drum 4 3/16" Pitch of tube holes 7" Percentage strength of shell in way of tubes 42

Drum has a flat side state method of staying ROUND Depth and thickness of girders at centre (ft) Distance apart Number and pitch of stays in each Working pressure

Boiler plates Steam Drum Heads or Ends:—Material S.M. STEEL Thickness 3/4" Radius or how stayed 3' 0"

Manhole or Handhole 12" x 16" Water Drums:—Number in each boiler Inside Diameter 6 x 6 3/4"

Material of plates S.M. STEEL Thickness 3/4" Range of tensile strength 26/30 Are drum shell plates welded

Boiler seams Description of riveting:—Cir. seams long. seams Diameter of Rivet Holes in

Boiler 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 18

Material S.M. STEEL Thickness 1/2" Tested by Hydraulic Pressure to 320 LBS Material of Stays

Area supported by each stay Working Pressure by Rules Tubes:—Diameter

Number 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

Boiler plates 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

Drain cock or valve fitted at lowest point of superheater Number, diameter, and thickness of tubes

Boiler Gear. Tubes Gaskets or joints:—Manhole Handhole Handhole plates

DE ROTTERDAMSCHER DOODOK MIJ
The foregoing is a correct description,
A. Knap
Manufacturer.

Is the approved plan of boiler forwarded herewith RETAINED

Total No. of visits 12

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been made under special survey in accordance with the approved plans Society's Rules and Secretary's letter, material tested as required

Survey Fee ... £ : : } When applied for, 19
Travelling Expenses (if any) £ : : } When received, 19

J. J. Schoo
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute
Signed See Rot. No. 26504
FRI. 25 FEB 1938

