

# REPORT ON BOILERS.

No. 11690

TUE. MAR. 29 1921

Received at London Office  
Date of writing Report 10 March 21 When handed in at Local Office 10 Port of Rotterdam  
No. in Survey held at Rotterdam Date, First Survey 15 April Last Survey 28 Feb 1921  
Reg. Book. on the Club Steam Trawler "ARGO" (Number of Visits 7) Tons { Gross 1393.08 Net 737.10  
Master J.P. Johansen Built at Rotterdam By whom built Baarsma & Schepman When built 1921  
Engines made at Rotterdam By whom made ditto van der Pijl & Co When made 1921  
Boilers made at ditto By whom made ditto When made 1921  
Registered Horse Power Owners Th. van der Pijl & Co Port belonging to Helming Bros.

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel Haumann & Sohn  
Letter for record S ) Total Heating Surface of Boilers 1265 sq ft Is forced draft fitted no No. and Description of  
Boilers One SE multitubular Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 20. 8. 20.  
No. of Certificate 700 Can each boiler be worked separately Yes Area of fire grate in each boiler 36.6 sq ft No. and Description of  
safety valves to each boiler 2 Spring loaded Area of each valve 5.10" Pressure to which they are adjusted 180 lbs.  
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 24" Mean dia. of boilers 10'-10" Length 10'-7"  
Material of shell plates SELL Thickness 15/16" Range of tensile strength 20-32 Are the shell plates welded or flanged no  
Descrip. of riveting: cir. seams D lap long. seams Tubular DB. Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 7 9/32"  
Lap of plates or width of butt straps 16'0" Per centages of strength of longitudinal joint rivets 80 plate 85 Working pressure of shell by  
rules 107 Size of manhole in shell 12 X 16 Size of compensating ring 26 3/4 X 9 1/6 No. and Description of Furnaces in each  
boiler 2 Horizontal Material SELL Outside diameter 3'-7 5/16" Length of plain part top ✓ bottom ✓ Thickness of plates crown 9/16" bottom 9/16"  
Description of longitudinal joint Welded No. of strengthening rings ✓ Working pressure of furnace by the rules 204 Combustion chamber  
plates: Material SELL Thickness: Sides 7/8" Back 7/8" Top 7/8" Bottom 7/8" Pitch of stays to ditto: Sides 7/8" Back 7/8"  
Top 7/8 X 0 1/4 If stays are fitted with nuts or riveted heads Both Working pressure by rules 197 Material of stays SELL Area at  
smallest part 1.44 sq ft Area supported by each stay 50 3/4 Working pressure by rules 195 End plates in steam space: Material SELL Thickness 2 3/32"  
Pitch of stays 15 3/4" How are stays secured Double nuts Working pressure by rules 234 Material of stays SELL Area at smallest part 5.94  
Area supported by each stay 240 sq in Working pressure by rules 200 Material of Front plates at bottom SELL Thickness 2 7/32" Material of  
Lower back plate SELL Thickness 2 7/32" Greatest pitch of stays 15/8" Working pressure of plate by rules 321 Diameter of tubes 3 1/2"  
Pitch of tubes 4 1/2" Material of tube plates SELL Thickness: Front 2 7/32" Back 7/8" Mean pitch of stays 9 Pitch across wide  
water spaces 15'0" Working pressures by rules 320 Girders to Chamber tops: Material SELL Depth and thickness of  
girder at centre 2 X 11/16 X 5/8 Length as per rule 2'-3 3/8" Distance apart 0 1/4 Number and pitch of Stays in each 3 X 7/8"  
Working pressure by rules 200 Steam dome: description of joint to shell none % of strength of joint ✓  
Diameter ✓ Thickness of shell plates — Material — Description of longitudinal joint — Diam. of rivet holes —  
Pitch of rivets — Working pressure of shell by rules — Crown plates — Thickness — How stayed —

UPERHEATER. Type Bridge Date of Approval of Plan ✓ Tested by Hydraulic Pressure to 600 lbs.  
Date of Test 22-5-20. Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler Yes  
Diameter of Safety Valve 2" Pressure to which each is adjusted 100 lbs. Is Easing Gear fitted Yes.

MACHINEFABRIEK & SCHEEPSWERF  
van P. SMIT JR.  
f. v. j. v. a. n. k. e. m. i. n. g.

The foregoing is a correct description,  
Manufacturer.

Dates of Survey { During progress of work in shops - - 15/4 - 10/6 - 23/6 - 1/7 - 1/8 - 20/8 1921 the approved plan of boiler forwarded herewith Rotterdam  
while building { During erection on board vessel - - - 28/6 1921 Total No. of visits 7 London office

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)  
The boiler has been made and fitted in accordance with the approved plan Society's Rules and Secretary's letters. Material tested as required and workmanship good.

Survey Fee ... Included in : } When applied for, 19.....  
Travelling Expenses (if any) 2 Pp. 1/2 : } When received, 19.....

Committee's Minute  
Assigned  
TUE. 5 APR. 1921