

REPORT ON MACHINERY.

No. 81960

Date of writing Report 19 When handed in at Local Office 10 Port of London
No. in Survey held at Shoreham Date, First Survey 2 Last Survey May 22 1919
Reg. Book. on the Concrete Barge "Cretes-hade" (Number of Visits)
Master Built at Shoreham By whom built John van der Meer
Engines made at By whom made
Boilers made at Hitchin By whom made W. H. Spencer & Co.
Registered Horse Power Owners H. M. Savernant
Nom. Horse Power as per Section 28 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

ENGINES, &c.—Description of Engines

No. of Cylinders	Length of Stroke	Revs. per minute	No. of Cranks
1			
Is the screw shaft fitted with a continuous liner the whole length of the stern tube			
Is the after end of the liner made water tight			
If the liner is in more than one length are the joints burned			
If the liner does not fit tightly at the part			
between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive			
If two			
liners are fitted, is the shaft lapped or protected between the liners			
Length of stern bush			
Dia. of Tunnel shaft as per rule as fitted			
Dia. of Crank shaft journals as per rule as fitted			
Dia. of Crank pin			
Size of Crank webs			
Dia. of thrust shaft under			
Diameters			
Dia. of screw			
Pitch of Screw			
No. of Blades			
State whether moveable			
Total surface			
No. of Feed pumps			
Diameter of ditto			
Stroke			
Can one be overhauled while the other is at work			
No. of Bilge pumps			
Diameter of ditto			
Stroke			
Can one be overhauled while the other is at work			
No. of Donkey Engines			
1			
Sizes of Pumps 5 1/4" x 4 3/4" x 5" Duplex			
No. and size of Suctions connected to both Bilge and Donkey pumps			
In Holds, &c. 1 - 2 1/4" each hold			
Engine Room			
No. of Bilge Injections			
1			
Connected to condenser, or to circulating pump			
Is a separate Donkey Suction fitted in Engine room & size			
Are all the bilge suction pipes fitted with roses			
Yes			
Are the roses in Engine room always accessible			
Yes			
Are the sluices on Engine room bulkheads always accessible			
Yes			
Are all connections with the sea direct on the skin of the ship			
Yes			
Are they Valves or Cocks			
Cocks			
Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates			
Yes			
Are the Discharge Pipes above or below the deep water line			
Above			
Are they each fitted with a Discharge Valve always accessible on the plating of the vessel			
Yes			
Are the Blow Off Cocks fitted with a spigot and brass covering plate			
Yes			
That pipes are carried through the bunkers			
For 2 suction			
How are they protected			
Wood covering			
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times			
Yes			
Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges			
Yes			
Is the Screw Shaft Tunnel watertight			
Yes			
Is it fitted with a watertight door			
Yes			
worked from			

WILERS, &c.—(Letter for record) Manufacturers of Steel

Total Heating Surface of Boilers	Is Forced Draft fitted	No. and Description of Boilers
Working Pressure	Tested by hydraulic pressure to	Date of test
No. of Certificate		
Can each boiler be worked separately	Area of fire grate in each boiler	No. and Description of Safety Valves to
Each boiler	Area of each valve	Pressure to which they are adjusted
Are they fitted with easing gear		
Smallest distance between boilers or uptakes and bunkers or woodwork	Mean dia. of boilers	Length
Material of shell plates		
Thickness	Range of tensile strength	Are the shell plates welded or flanged
Descrip. of riveting: cir. seams		
Long. seams	Diameter of rivet holes in long. seams	Pitch of rivets
Lap of plates or width of butt straps		
Percentages of strength of longitudinal joint	Working pressure of shell by rules	Size of manhole in shell
Material	No. and Description of Furnaces in each boiler	Outside diameter
Length of plain part	Thickness of plates	Description of longitudinal joint
No. of strengthening rings		
Working pressure of furnace by the rules	Combustion chamber plates: Material	Thickness: Sides
Back	Top	Bottom
Working pressure by rules		
Material of stays	Area at smallest part	Area supported by each stay
Working pressure by rules		
End plates in steam space:		
Material	Thickness	Pitch of stays
How are stays secured		
Working pressure by rules		
Material of Front plates at bottom		
Thickness	Material of Lower back plate	Thickness
Greatest pitch of stays		
Working pressure of plate by rules		
Diameter of tubes	Pitch of tubes	Material of tube plates
Thickness: Front	Back	Mean pitch of stays
Working pressures by rules		
Girders to Chamber tops: Material		
Depth and		
Thickness of girder at centre	Length as per rule	Distance apart
Number and pitch of stays in each		
Working pressure by rules	Steam dome: description of joint to shell	% of strength of joint
Thickness of shell plates	Material	Description of longitudinal joint
Diam. of rivet holes		
Working pressure of shell by rules	Crown plates	Thickness
How stayed		

2510-5601m

IS A DONKEY BOILER FITTED?

Yes.

If so, is a report now forwarded?

Yes.

SPARE GEAR. State the articles supplied:—

Mark on Donkey Boiler

No 1188
Lloyds Test
300 lb
10-10-18 H.P.C.

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building
(During progress of work in shops - - -)
(During erection on board vessel - - -)
Total No. of visits

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders Slides Covers Pistons Rods

Connecting rods Crank shaft Thrust shaft Tunnel shafts Screw shaft Propeller

Stern tube Steam pipes tested Engine and boiler seatings 2/5/19 Engines holding down bolts

Completion of pumping arrangements 2/5/19 Boilers fixed 2/5/19 Engines tried under steam

Completion of fitting sea connections Stern tube Screw shaft and propeller

Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft Identification Mark on Do. Material of Thrust shaft Identification Mark on Do.

Material of Tunnel shafts Identification Marks on Do. Material of Screw shafts Identification Marks on Do.

Material of Steam Pipes Test pressure

Is an installation fitted for burning oil fuel Is the flash point of the oil to be used over 150°F.

Have the requirements of Section 49 of the Rules been complied with

Is this machinery duplicate of a previous case Yes If so, state name of vessel Standard Vanger

General Remarks (State quality of workmanship, opinions as to class, &c.)

The Donkey Boiler described accompanying Report has been securely fitted on board & satisfactorily tried under steam. The safety valves (double 2" dia) have been tested & found to lift at 150 lb. Lasing gear fitted. A steam feed pump & an injector are supplied. The general service pump has been tried on the bilges & found satisfactory.

This vessel is in my opinion eligible for notation + D.B. (with date) in The Register Book.

It is submitted that this vessel is eligible for THE RECORD. + DB 5.19 150lb.

The amount of Entry Fee ... £ 3 : 3 :
Fitting on board Special ... £ : :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for, 25/7/19
When received, 30-7-19

H. Gardner Smith
Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute

TUE. 22 JUL. 1919

TUE. OCT. 19 1920

FRI. 4 MAR. 1921

FRI. FEB. 4 1921

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