

REPORT ON MACHINERY.

No. 63

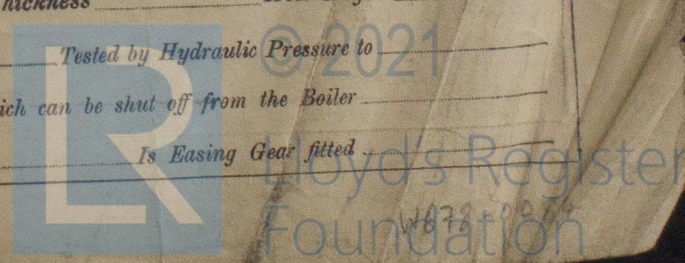
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REC'D NEW YORK Aug 12 1919

Received at London Office

MON 5-MAY 1919

Report made at Godmich on Date, First Survey Aug 9 1918 Last Survey 26 March 1919
 the S.M.B. Eng R26 Hood S.S. "War Sorel" (Number of Visits)
Griffiths Built at Lubeck P.2 By whom built Lubeck Shipbuilding & Rep. Co. Ltd. Tons { Gross 2377
 at Godmich on By whom made National S.B. & Co. when made 1918
 at Chapen By whom made London Boiler Co. when made 1918
 Horse Power 146.83 Owners Imperial Munitions Board Port belonging to Lubeck
 Power as per Section 28 322 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes
 1, &c. — Description of Engines Inverted high expansion No. of Cylinders 3 No. of Cranks 3
 nders 20-33-54 Length of Stroke 40 Revs. per minute 72 Dia. of Screw shaft 11.75 Material of cast iron
 shaft fitted with a continuous liner the whole length of the stern tube Yes Is the after end of the liner made water tight
 eller boss Yes If the liner is in more than one length are the joints burned Yes If the liner does not fit tightly at the part
 bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive Yes If two
 ted, is the shaft lapped or protected between the liners Yes Length of stern bush 4'1"
 shaft as per rule 10.39 Dia. of Crank shaft journals 11.25 Dia. of Crank pin 11.25 Size of Crank webs 22x7 Dia. of thrust shaft 11.25
 as fitted 10.5 Dia. of screw 14'6" Pitch of Screw 15'3" No. of Blades 4 State whether moveable No Total surface 66.45
 pumps 2 Diameter of ditto 35 Stroke 20 Can one be overhauled while the other is at work Yes
 pumps 2 Diameter of ditto 35 Stroke 20 Can one be overhauled while the other is at work Yes
 y Engines 4 Sizes of Pumps Ballard Duplex 7 1/2 x 9 x 10 Austad 10 x 6 x 7 single. New feed 6 x 8 1/2 x 16 double. No. and size of Suctions connected to both Bilge and Donkey pumps
 loom 2-3" Tunnel 1-3" In Holds, &c. Forepeak 1-2 1/2" No. 1 Hold 2-3" Tank space 2-4" No. 2 Hold
 1/2" Brass bunker 2-2 1/2"
 ections 1 sizes 6" Connected to condenser, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size Yes 1-4"
 lge 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
 ections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both
 d 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 Below
 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
 are carried through the bunkers Forward suction How are they protected Set at side of box bulkhead & not using
 s, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes
 e Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges Yes
 Shaft Tunnel watertight No Is it fitted with a watertight door Yes worked from Yes
 3, &c. — (Letter for record (S) Manufacturers of Steel
 ing Surface of Boilers 5280 sq ft Is Forced Draft fitted Yes No. and Description of Boilers 2 Howden Patent
 ressure 185 lbs Tested by hydraulic pressure to 280 lbs Date of test 4-10-18 No. of Certificate 9089 & 3500
 iler be worked separately Yes Area of fire grate in each boiler 60 sq ft No. and Description of Safety Valves to
 Spring loaded Yes Area of each valve 8.2958 sq in Pressure to which they are adjusted 190 lbs Are they fitted with easing gear Yes
 ance between boilers or uptakes and bunkers or woodwork 2'0" Mean dia. of boilers 60 Length 60 Material of shell plates
 Range of tensile strength 45,000 Are the shell plates welded or flanged Yes Descrip. of riveting: cir. seams
 Diameter of rivet holes in long. seams 1/4" Pitch of rivets 4" Lap of plates or width of butt straps
 of strength of longitudinal joint rivets 80% Working pressure of shell by rules 150 lbs Size of manhole in shell
 plate 80% Material cast iron Outside diameter 18"
 ensating ring No. and Description of Furnaces in each boiler No. of strengthening rings
 ain part top Thickness of plates bottom Description of longitudinal joint circ. seams
 bottom bottom Combustion chamber plates: Material cast iron Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 1/2"
 ressure of furnace by the rules 150 lbs Working pressure by rules 150 lbs End plates in steam space:
 ys to ditto: Sides 150 lbs Back 150 lbs Top 150 lbs If stays are fitted with nuts or riveted heads Yes
 f stays Area at smallest part Area supported by each stay Working pressure by rules Material of stays cast iron
 Thickness Pitch of stays How are stays secured Working pressure by rules Material of Front plates at bottom
 smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom
 Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
 f tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
 oss wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and
 of girder at centre Length as per rule Distance apart Number and pitch of stays in each
 ressure 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
 rivets Working pressure of shell by rules Crown plates Thickness How stayed
 HEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to 2021
 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 Safety Valve Pressure to which each is adjusted Is Easing Gear fitted Yes



If so, is a report now forwarded?

trials, two main bearing bolts & nuts, one set of coupling bolts
one set of air circulating pump valves, one set of feed & bilge
valves, 25 condenser tubes, one set of piston rings, assorted bolts

THE NATIONAL SHIPBUILDING COMPANY, LIMITED

Manufacturer.

Is the approved plan of main boiler forwarded herewith

Test pressure 555 lbs.

Is the flash point of the oil to be used over 150°F.

If so, state name of vessel *N 25*

been constructed under special survey. & of good make
workmanship has been shipped to Quebec to be fitted out
for a winter vessel will be eligible for record work
when survey is completed.

The above engines together with the boilers & auxiliary machinery have been satisfactorily
board and tried under steam with satisfactory results. The boilers were made in the U. S. and
report regarding them has reached this office. The marks were as follows:

NO 8089	NO 3580
LLOYD TEST	LLOYD TEST
370 LBS	370 LBS
9-5/8	7-1/2
W.R.A.	31-5-18.

are eligible to receive the record of L. M. C. with date on completion of the survey.

It is submitted that

TUE. 17 APR. 1973

When applied for.

Assigned

ERI JUN 6-1919

ERLAPB 22 1971

APR 8 1921

FBI 7-NOV 1919

TUE APR 27 1929

100-111-11-27

Lloyd's Register
Foundation