

Rpt. 4.

REPORT ON MACHINERY.

No. 82813.

Received at London Office 6 MAR 1920

date of writing Report 5 March 1920. When handed in at Local Office 6 MAR 1920. Port of Ipswich
No. in Survey held at Reg. Book 13752. SS YEW PARK
Master Built at Pauling By whom built Scott & Sons
Engines made at Colchester By whom made Davey Paxman & Co. Ltd N° 13752 when made 1920.
Boilers made at Glasgow By whom made David Rowan & Co. Ltd when made 1929
Registered Horse Power Owners John Stewart & Co. Port belonging to Glasgow
Nom. Horse Power as per Section 28 120. Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

ENGINES, &c.—Description of Engines Triple Expansion
Dia. of Cylinders 15" 25" 40" Length of Stroke 24" Revs. per minute
Is the screw shaft fitted with a continuous liner the whole length of the stern tube No liner
Is the after end of the liner made water tight
in the propeller boss Yes If the liner is in more than one length are the joints turned
between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive Shaft run in oil two
liners are fitted, is the shaft lapped or protected between the liners
Dia. of INT. shaft as per rule 7.45" Dia. of Crank shaft journals as per rule 7.82" Dia. of Crank pin 7 3/8" Size of Crank webs 5" 12 1/2" Dia. of thrust shaft under
as fitted 7.5" as fitted 7.875"
collars 8" Dia. of screw 10 1/2" Pitch of Screw 9" 9" No. of Blades 4 State whether moveable No Total surface 34 sq
No. of Feed pumps 2 Diameter of ditto 2 1/2" Stroke 14" Can one be overhauled while the other is at work Yes
No. of Bilge pumps 2 Diameter of ditto 2 1/2" Stroke 14" Can one be overhauled while the other is at work Yes.
No. of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps
In Engine Room In Holds, &c.

No. of Bilge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Section fitted in Engine room & size
Are all the bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible
Are all connections with the sea direct on the skin of the ship Are they Valves or Cocks
Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Discharge Pipes above or below the deep water line
Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate
What pipes are carried through the bunkers How are they protected
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges
Is the Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

BOILERS, &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 for width of butt straps
Per centages of strength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell
Size of compensating ring No. and Description of Furnaces in each boiler Material Outside diameter
Length of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings
bottom Thickness of plates bottom Back Top Bottom Working pressure by rules
Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom Working pressure by rules
Pitch of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads End plates in steam space:
Material of stays Area at smallest part Area supported by each stay Working pressure by rules Material of stays
Material Thickness Pitch of stays How are stays secured Working pressure by rules Material of Front plates at bottom
Area at smallest part Area supported by each stay Working pressure by rules Working pressure of plate by rules
Thickness Material of Lower back plate Thickness Greatest pitch of stays Mean pitch of stays
Diameter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
Pitch across wide water spaces Working pressures by rules Girders to Chambers 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
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
Tested by Hydraulic Pressure to

SUPERHEATER. Type Date of Approval of Plan Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
Date of Test Pressure to which each is adjusted Is Easing Gear fitted
Diameter of Safety Valve

004055-004061-0341

Lloyd's Register
Foundation

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

For and on behalf of

DAVEY, MAXMAN & CO Limited.

Manufacturer.

Dates of Survey while building { During progress of work in shops - - 1918 Oct 15 Nov 1. 21 Dec 9 (1919) Jan 6 Feb 6 17 25 Mar 21 Apr 2 10 28 May 26 Jun 2 6 18 30 July 14 30 Aug 8 18 25 Sep 5 18 Nov 3 17 Dec 15 (1920)
During erection on board vessel - - -
Total No. of visits 28.

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

Dates of Examination of principal parts—Cylinders 30-6-19 26-5-19 2-6-19 Slides 6-2-19 17-2-19 3-5-19 Covers 21-11-18 16-1-19 17-2-19 Pistons 6-2-19 17-2-19 Rods 16-1-19 17-2-19
Connecting rods 16-1-19 17-2-19 Crank shaft 21-11-18 16-1-19 22-5-19 Thrust shaft 21-3-19 26-5-19 INT Tunnel shafts 21-3-19 26-5-19 Screw shaft 9-12-18 26-5-19 17-11-19 Propeller 3-11-19 17-11-19
Stern tube 30-7-19 Steam pipes tested 21-1-30 21-1-30 60 lb Engine and boiler seatings 12-12-29 Engines holding down bolts 20-1-30
Completion of pumping arrangements 21-1-30 60 lb Boilers fixed 17-1-30 Engines tried under steam
Completion of fitting sea connections 12-12-29 Stern tube 12-12-29 Screw shaft and propeller 12-12-29
Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft Steel Identification Mark on Do.

Material of Thrust shaft Steel Identification Mark on Do.

Material of INT Tunnel shafts Steel Identification Marks on Do.

Material of Screw shafts Steel Identification Marks on Do.

Material of Steam Pipes 60 lb per sq in

Test pressure 310

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

If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. These Engines have been built under special survey, and in accordance with the Specification and the Society's Rules. The materials & workmanship are sound and good

The amount of Entry Fee ... £ 30 : 0 : 0
Special ... £ : :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :

When applied for,

Included in Settlement from h/s

When received,

16/4/1920

Robert Rae.

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW

18 FEB 1930

Assigned See Glasgow Report no. 50141



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