

REPORT ON MACHINERY.

No. 13584.
MUN. JUN. 30 1924

Received at London Office

Date of writing Report 27th June 1924 When handed in at Local Office 28th June 1924 Port of Aberdeen.
Date, First Survey 28th January Last Survey June 19th 1924
in Survey held at Aberdeen (Number of Visits)

on the S.S. GLEN DERRY. Tons } Gross }
Net }

Master Built at Aberdeen By whom built Messrs A. Hall & Co. Ltd. No. 591 When built 1924

Engines made at Aberdeen By whom made Messrs A. Hall & Co. Ltd. No. 284 when made 1924

Boilers made at do By whom made do do No. 282 & 3 when made 1924

Registered Horse Power Owners John Cook & Son Ltd Port belonging to Aberdeen

Indicated Horse Power as per Section 28 158 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted yes

Engines, &c.—Description of Engines Triple Expansion No. of Cylinders 3 No. of Cranks 3

Dia. of Cylinders 17", 28", 48" Length of Stroke 33" Revs. per minute 90 Dia. of Screw shaft as per rule 9.9" Material of screw shaft S

Is the screw shaft fitted with a continuous liner the whole length of the stern tube yes Is the after end of the liner made water tight

the propeller boss yes 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

axles are fitted, is the shaft lapped or protected between the liners Length of stern bush 3-6" see abn. ltr. 7/1/24

Dia. of Tunnel shaft as per rule 8.84" Dia. of Crank shaft journals as per rule 9.28" Dia. of Crank pin 9 1/8" Size of Crank webs 15 1/2" x 6 1/2" Dia. of thrust shaft under

bars 9 3/4" Dia. of screw 12'-0" Pitch of Screw 15'-6" No. of Blades 4 State whether moceable no Total surface 50sq

No. of Feed pumps 2 Diameter of ditto 2 3/4" Stroke 16" Can one be overhauled while the other is at work yes

No. of Bilge pumps 2 Diameter of ditto 2 3/4" Stroke 16" Can one be overhauled while the other is at work yes

No. of Donkey Engines three Sizes of Pumps Ballast 4x8-8 Dup. Feed 8x4 1/2 x 10" No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room { 3 of 2 1/2" Tunnel well, one @ 2 1/2" In Holds, &c. Fore hold 2 @ 2 1/2" Aft hold 3 @ 2 1/2"

{ 2 of 2 1/2" in Stokehold. No. of Bilge Injections 1 sizes 5 1/2" Connected to condenser, or to circulating pump Air pumps a separate Donkey Suction fitted in Engine room & size yes 2 3/4"

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

Are all connections with the sea direct on the skin of the ship yes Are they Valves or Cocks Both!

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 on

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 Bilge suction to fore hold How are they protected by strong wood casing

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 Engine top platform

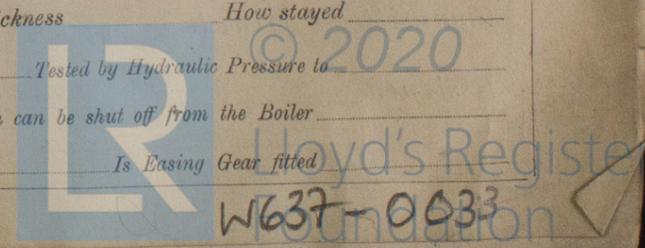
MANUFACTURERS, &c.—(Letter for record S) Manufacturers of Steel David Colville & Sons

Total Heating Surface of Boilers 2584 Is Forced Draft fitted no No. and Description of Boilers 2 Cyld Multi S.B.

Working Pressure 190 lbs Tested by hydraulic pressure to 335 lbs Date of test 15-5-24 No. of Certificate 1029, 1030

Can each boiler be worked separately yes Area of fire grate in each boiler 30sq No. and Description of Safety Valves to

each boiler 2 direct spring Area of each valve 5.9sq Pressure to which they are adjusted 105 lbs Are they fitted with easing gear yes



IS A DONKEY BOILER FITTED? No

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:— Two top & two bottom end bolts & nuts, 2 main bearings & one set of coupling bolts & nuts, 1 set each Air, Feed & Bilge pump valves, one main & donkey feed check valves, 2 safety valve springs, 6 Condenser tubes, 3 patent tube stoppers for Boilers, a quantity of bolts nuts & studs, and iron of various sizes.

The foregoing is a correct description,
FOR ALEXANDER HALL & CO., LTD.

A. G. Smith
SECRETARY

Manufacturer of main Engines & Boilers.

Dates of Survey while building { During progress of work in shops -- } Jan 28. - Feb 7. 18, 25. - Mar 5. 10, 28. - Apr 10. 22, 25, 29. - May 7. 14, 15, 17, 19.
{ During erection on board vessel --- } May 22, 29. - June 5, 6, 11, 13, 16, 17, 18.
Total No. of visits 25.

Is the approved plan of main boiler forwarded herewith Yes
" " " donkey " " "

Dates of Examination of principal parts—Cylinders 10.4.24 Slides 10.4.24 Covers 5.3.24 Pistons 5.3.24 Rods 5.3.24
Connecting rods 10.4.24 Crank shaft 18.2.24 Thrust shaft 25.4.24 Tunnel shafts 25.4.24 Screw shaft 14.5.24 Propeller 14.5.24
Stern tube 14.5.24 Steam pipes tested 29.5.24 Engine and boiler seatings 17.5.24 Engines holding down bolts 11.6.24
Completion of pumping arrangements 16.6.24 Boilers fixed 11.6.24 Engines tried under steam 16.17.24
Completion of fitting sea connections 14.5.24 Stern tube 14.5.24 Screw shaft and propeller 19.5.24
Main boiler safety valves adjusted 16.6.24 Thickness of adjusting washers PE Bl. F.V. 1/2" A.V. 3/8" S. Bl. F.V. 3/2" A.V. 1/2"
Material of Crank shaft S Identification Mark on Do. 5232 E.E.A. Material of Thrust shaft S Identification Mark on Do. 1426 A.T.
Material of Tunnel shafts S Identification Marks on Do. 1435 6/7 A. Material of Screw shafts S Identification Marks on Do. 17H E.E.A.
Material of Steam Pipes S. D Copper 3 1/2" bore No. 6 W.G. Test pressure 380 lbs per sq. in.
Is an installation fitted for burning oil fuel No 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 No If so, state name of vessel

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

These Engines and Boilers have been constructed under special survey and in accordance with the Secretary's letter, the rules and approved plans. The materials and workmanship are good, when completed and properly fitted on board, they were tried under steam at the moorings with satisfactory results, and are now in good order, and in my opinion entitled to the record of LMC 6.24. in red, in the Register Book.

It is submitted that
this vessel is eligible for
THE RECORD. + LMC 6.24. CL.

J.W.D.
27/7/24

C. E. Wilkes
Engineer Surveyor to Lloyd's Register of Shipping.

The amount of Entry Fee ... £ 3 : 0 :
Special ... £ 39 : 10 :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for, 27th June 1924
When received, 27th June 1924

Committee's Minute FRI 4 JUL 1924
Assigned + Lmb 6.24 C.L.



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