

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY

Received at London Office

Date of writing Report 7th April 1926 When handed in at Local Office 7.4.26 Port of Glasgow 21 APR 1926

No. in Survey held at Renfrew Date, First Survey 30.6.25 Last Survey 2nd April 1926
 Reg. Book. on the "Lord Willingdon" (Cutler Suction Dredger) (Number of Visits 44) Tons Gross 864
Net 358

Built at Renfrew By whom built W^m Simons & Co. Ltd. Yard No. 674 When built 1926

Engines made at Renfrew By whom made W^m Simons & Co. Ltd. Engine No. 674 when made 1926

Boilers made at Renfrew By whom made W^m Simons & Co. Ltd. Boiler No. 674 when made 1926

Registered Horse Power _____ Owners High Commissioners for India Port belonging to Glasgow

Nom. Horse Power as per Rule 144 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes

Trade for which Vessel is intended Dredging

ENGINES, &c.—Description of Engines Twin screw, Compound Revs. per minute 147

Dia. of Cylinders 16 1/2" - 33" Length of Stroke 21" No. of Cylinders 2 each eng No. of Cranks 2 each eng

Crank shaft, dia. of journals as per Rule 6.71"
as fitted 6.75" Crank pin dia. 6.75" Crank webs Mid. length breadth ✓
Mid. length thickness ✓ Thickness parallel to axis 4 1/2"
Thickness around eye-hole 3 1/4"

Intermediate Shafts, diameter as per Rule 6.39"
as fitted none Thrust shaft, diameter at collars as per Rule 6.71"
as fitted 6.75"

Tube Shafts, diameter as per Rule none
as fitted none Screw Shaft, diameter as per Rule 7.01"
as fitted 7.5/16" Is the none screw shaft fitted with a continuous liner yes

Bronze Liners, thickness in way of bushes as per Rule .51"
as fitted 5/8" Thickness between bushes as per Rule .38"
as fitted 9/16" Is the after end of the liner made watertight in the propeller boss yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner One length
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 tight fit
If two liners are fitted, is the shaft lapped or protected between the liners ✓ Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft no

Propeller, dia. 7'9" Pitch 8'6" No. of Blades 4 Material C.I. whether Moveable no Total Developed Surface 30 sq. feet

Feed Pumps worked from the Main Engines, No. none Diameter _____ Stroke _____ Can one be overhauled while the other is at work ✓

Bilge Pumps worked from the Main Engines, No. none Diameter _____ Stroke _____ Can one be overhauled while the other is at work ✓

Feed Pumps No. and size 2 - 10 1/2" x 8" x 22" Hairs
How driven Steam-cable Pumps connected to the Main Bilge Line No. and size 1 - 5 1/2" x 5" x 5" Cammeters
How driven Steam

Ballast Pumps, No. and size none Lubricating Oil Pumps, including Spare Pump, No. and size none

Are two independent means arranged for circulating water through the Oil Cooler none Suctions, connected to both Main Bilge Pumps and Auxiliary Bilge Pumps:—In Engine and Boiler Room 7 - 2 1/2"

In Holds, &c. N^o 1 hold 2 - 2 1/4", N^o 2 hold 2 - 2"

Main Water Circulating Pump Direct Bilge Suctions, No. and size 1 - 11" **Independent Power Pump Direct Suctions to the Engine Room Bilges,** No. and size 1 - 3 1/2"

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes yes

Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges yes

Are all Sea Connections fitted direct on the skin of the ship yes Are they fitted with 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 Overboard Discharges 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

What Pipes are carried through the bunkers Bilge & Boiler feed How are they protected Steel tubes

What pipes pass through the deep tanks none Have they been tested as per Rule ✓

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes

Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one compartment to another yes Is the Shaft Tunnel watertight none Is it fitted with a watertight door ✓ worked from ✓

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 2484 sq ft for one boiler

Is Forced Draft fitted yes No. and Description of Boilers One for Prop^r Eng Working Pressure 180 lbs, reduced to 130 lbs for Prop Eng

IS A REPORT ON MAIN BOILERS NOW FORWARDED? yes

IS A DONKEY BOILER FITTED? no If so, is a report now forwarded? ✓

PLANS. Are approved plans forwarded herewith for Shafting yes Main Boilers yes Auxiliary Boilers none Donkey Boilers none
 (If not state date of approval)

Superheaters none General Pumping Arrangements yes Oil fuel Burning Piping Arrangements 9/13-2-26

SPARE GEAR. State the articles supplied:— As per Rules, 4-connecting rod top end bolts & nuts, 4-connecting rod bottom end bolts & nuts, 4-main bearing bolts, 12-coupling bolts, 1 set of valves for pumps, a set of piston springs, a quantity of assorted bolts & nuts, iron of various sizes, two propellers, etc.

The foregoing is a correct description,
 FOR W^M SIMONS & CO., LTD.

Jas. G. ...

Manufacturer.

SECRETARY



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011047-011056-0265

a List of
 28' ft.
 if not give
 Water Capacity, Tons.
 106
 106
 16.24.28
 19.22.30.31
 its 50

