

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

of writing Report 15th April 1940 When handed in at Local Office 15th April 1940 Port of WEST HARTLEPOOL

in Survey held at WEST HARTLEPOOL Date, First Survey 22nd May, 1939 Last Survey 13th April 1940
 g. Book. (Number of Visits 173)

STEEL SCREW STEAMER "FLORIAN"

Tons { Gross
Net

uilt at West Hartlepool By whom built Wm Gray & Co. Ltd. Yard No. 1099 When built 1940.
 Engines made at West Hartlepool By whom made Central Marine Engine Works Engine No. 1099 When made 1940.
 Silers made at West Hartlepool By whom made Central Marine Engine Works Boiler No. 1099 When made 1940.
 Registered Horse Power 3500 Owners Ellerman Lines, Ltd. Port belonging to Liverpool.
 m. Horse Power as per Rule 606 Is Refrigerating Machinery fitted for cargo purposes Yes Is Electric Light fitted Yes.
 de for which Vessel is intended Ocean-going.

INES, &c.—Description of Engines Triple expansion Bauer Wack Exhaust Turbine Revs. per minute 90

of Cylinders 23-38-65 Length of Stroke 48" No. of Cylinders 3 No. of Cranks 3

ank shaft, dia. of journals as per Rule 13.49" Crank pin dia. 14" Crank webs Mid. length breadth 20" Thickness parallel to axis 8 5/8"

as fitted 14" Mid. length thickness 8 5/8" shrunk Thickness around eye-hole 6" 6 5/8"

Intermediate Shafts, diameter as per Rule 13.09" Thrust shaft, diameter at collars as per Rule 13.74"

as fitted 15 1/4" as fitted 14 1/4"

ie Shafts, diameter as per Rule 14.5" Is the { tube } shaft fitted with a continuous liner { Yes }

as fitted 15 1/4" as fitted 15 1/4"

ize Liners, thickness in way of bushes as per Rule 7.42" Thickness between bushes as per Rule 5.55"

as fitted 7.81" as fitted 5.9" Is the after end of the liner made watertight in the

eller boss Yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

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

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

Yes If so, state type Length of Bearing in Stern Bush next to and supporting propeller 62 3/4"

propeller, dia. 17'-0" Pitch 17'-4 1/2" No. of Blades 4 Material Bronze whether Moveable Yes Total Developed Surface 88 sq. feet

d Pumps worked from the Main Engines, No. 2 Diameter 4" Stroke 24" Can one be overhauled while the other is at work Yes

ge Pumps worked from the Main Engines, No. 2 Diameter 4 1/2" Stroke 24" Can one be overhauled while the other is at work Yes

ed { No. and size Two 10 1/2" x 8" x 22" Pumps connected to the { No. and size Two 10 1/2" x 24" x 22" One 8" x 10 1/2" x 18"

aps { How driven Independent Steam Main Bilge Line How driven Chain Engines Independent Steam

last Pumps, No. and size One 8" x 10 1/2" x 18" Lubricating Oil Pumps, including Spare Pump, No. and size Two 8" x 9" x 18"

two independent means arranged for circulating water through the Oil Cooler Yes Suctions, connected to both Main Bilge Pumps and Auxiliary

e Pumps;—In Engine and Boiler Room Stokehold 2@3" Engine room 2@3" Direct 1@4 1/2" Drain Tank 1@2"

Pump Room In Holds, &c. No 1 Hold 2@2 1/2" No 2 Hold 2@3" No 3 Hold 2@3"

oss bunker 2@3" No 4 Hold 2@3" No 5 Hold 4@2" Tunnel well 1@2 1/2"

n Water Circulating Pump Direct Bilge Suctions, No. and size One 12" Independent Power Pump Direct Suctions to the Engine Room Bilges,

and size One 4 1/2" Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Yes

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

all Sea Connections fitted direct on the skin of the ship No. On suction box Are they fitted with Valves or Cocks Both

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

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

at Pipes pass through the bunkers None How are they protected

at pipes pass through the deep tanks Have they been tested as per Rule

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

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

partment to another Yes Is the Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from top of skylight

IN BOILERS, &c.—(Letter for record 5) Total Heating Surface of Boilers 7,770 sq. ft.

Forced Draft fitted Yes No. and Description of Boilers Three single ended Working Pressure 225 lbs.

A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

A DONKEY BOILER FITTED? No If so, is a report now forwarded?

the donkey boiler intended to be used for domestic purposes only

ANS. Are approved plans forwarded herewith for Shafting Yes Main Boilers Yes Auxiliary Boilers Donkey Boilers

(If not state date of approval) Yes General Pumping Arrangements Oil fuel Burning Piping Arrangements

heaters Yes

SPARE GEAR.

the spare gear required by the Rules been supplied Yes

the principal additional spare gear supplied

The foregoing is a correct description.
 FOR THE CENTRAL MARINE ENGINE WORKS,

(W. Gray & Co. Ltd.)

GENERAL MANAGER,

Manufacturer.



© 2019

Lloyd's Register
 Foundation

W395-0107

Lloyd's Register
Foundation