

# REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report, 28-7-1951 When handed in at Local Office 28-7-1951 Port of GLASGOW. Received at London Office 22 AUG 1951

No. in Survey held at RENFREW Date, First Survey 10<sup>th</sup> Aug. 1950 Last Survey 29<sup>th</sup> May 1951  
Reg. Book (Number of Visits 8)

on the Goddybeach.

Built at DUNDEE By whom built CALEDON SHIPBUILDING CO Yard No. 474 Tons { Gross Net

Engines made at RENFREW By whom made LOBNITZ & CO Engine No. B. 1471 When made 1951.

Boilers made at Dundee S4L By whom made Caledon S4L Boiler No. 474 When made 1951.

Registered Horse Power 1750 Owners. Port belonging to

Nom. Horse Power as per Rule 400 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Trade for which vessel is intended

GINES, &c.—Description of Engines TRIPLE EXPANSION Revs. per minute 224

Dia. of Cylinders 16"-24 1/2" - 43 1/2" Length of Stroke 21" No. of Cylinders 3 No. of Cranks 3

Crank shaft, dia. of journals as per Rule 8.26 as fitted 9 1/2" Crank pin dia. 9 1/2" Mid. length breadth 18 1/4" Thickness parallel to axis 4 1/4" shrunk

Intermediate Shafts, diameter as per Rule as fitted Thrust shaft, diameter of collars as per Rule as fitted

Tube Shafts, diameter as per Rule as fitted Screw Shaft, diameter as per Rule as fitted Is the { tube screw } shaft fitted with a continuous liner {

Bronze Liners, thickness in way of bushes as per Rule as fitted Thickness between bushes as per Rule as fitted Is the after end of the liner made watertight in the

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

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 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

at If so, state type Length of Bearing in Stern Bush next to and supporting propeller

Propeller, dia. Pitch No. of Blades Material whether Moveable Total Developed Surface sq. feet

Feed Pumps worked from the Main Engines, No. No Diameter Stroke Can one be overhauled while the other is at work

Bilge Pumps worked from the Main Engines, No. No Diameter Stroke Can one be overhauled while the other is at work

Feed { No. and size Pumps connected to the { No. and size

umps { How driven Main Bilge Line { How driven

Ballast Pumps, No. and size Lubricating Oil Pumps, including Spare Pump, No. and size

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

Bilge Pumps:—In Engine and Boiler Room In Holds, &c.

n Pump Room

Main Water Circulating Pump Direct Bilge Suctions, No. and size Independent Power Pump Direct Suctions to the Engine and/or Boiler Room Bilges,

No. and size Are all the Bilge Suction Pipes in holds and tunnel well fitted with steam-boxes

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

Are all Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Overboard Discharges 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 pass through the bunkers How are they protected

What pipes pass through the deep tanks 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

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 Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

AIN BOILERS, &c.—(Letter for record Total Heating Surface of Boilers 4530

Which Boilers are fitted with Forced Draft Yes Which Boilers are fitted with Superheaters

No. and Description of Boilers Working Pressure 250 lbs

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

IS A DONKEY BOILER FITTED? If so, is a report now forwarded?

Can the donkey boiler be used for other than domestic purposes

PLANS. Are approved plans forwarded herewith for Shafting Yes (Crank) Main Boilers Auxiliary Boilers Donkey Boilers

(If not state date of approval)

Superheaters General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR.

Has the spare gear required by the Rules been supplied Yes

State the principal additional spare gear supplied

The foregoing is a correct description.

For LOBNITZ & COMPANY, LTD.

Director.

Manufacturer.



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009920-009923-0189



Dates of Survey while building

During erection on board vessel - - -

Total No. of visits 8

Dates of Examination of principal parts - Cylinders

Pistons 23/2/51

Crank shaft 2/3/51

Tube shaft

Stern tube

Piston Rods

Thrust shaft

Screw shaft

Engine and boiler seatings

Connecting rods

Intermediate shafts

Propeller

Engines holding down bolts

Completion of fitting sea connections

Completion of pumping arrangements

Main boiler safety valves adjusted

Crank shaft material

Intermediate shafts, material

Screw shaft, material

Is an installation fitted for burning oil fuel

Have the requirements of the Rules for the use of oil as fuel been complied with

Is the vessel (not being an oil tanker) fitted for carrying oil as cargo

If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with

Is this machinery duplicate of a previous case

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

The engines have been constructed under Special Survey in accordance with the approved plans & the Secretary's letters. The materials and workmanship are sound & good. In my opinion the engine is eligible for record. + L.M.C. The engine has been sent to Dundee for installation on board the vessel.

The above engine has been installed on board the R.F.A. "EDDYBEACH" and has been satisfactorily tested under full working conditions.

R. W. Skinner

7-12-51

The amount of Entry Fee

Special

Donkey Boiler Fee

Travelling Expenses (if any)

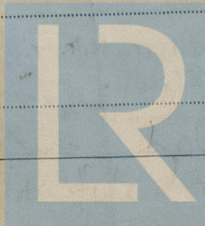
When applied for,

When received,

Date

Committee's Minute

Deferred for completion



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