

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

10 FEB 1937

Date of writing Report 28th Jan. 1937 When handed in at Local Office 28th Jan. 1937 Port of GREENOCK.

No. in Survey held at Port Glasgow Date, First Survey 1st DECEMBER. 1936 Last Survey 14th Dec. 1936
 Reg. Book. Suppl. (Number of Visits 3)

87974 on the S. S. "DARLENY" Tons { Gross 5205
 Net 3126

Built at Port Glasgow By whom built W. Hamilton & Co. Ltd. Yard No. 427 When built 1937.

Engines made at Glasgow By whom made D. Rowan & Co. Ltd. Engine No. When made 1937.

Boilers made at _____ By whom made _____ Boiler No. When made _____

Registered Horse Power _____ Owners Carriks Shipping Co. Ltd. (Anglo-Romanian) Port belonging to Glasgow.

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

Trade for which Vessel is intended _____

ENGINES, &c.—Description of Engines

Dia. of Cylinders	Length of Stroke	No. of Cylinders	Revs. per minute
as per Rule		Mid. length breadth	Thickness parallel to axis
as fitted	Crank pin dia.	Crank webs	shrunk Thickness around eye-hole
		Mid. length thickness	
Intermediate Shafts, diameter		Thrust shaft, diameter at collars	as per Rule
as fitted		as fitted	as fitted
Tube Shafts, diameter	Screw Shaft, diameter	Is the lube screw shaft fitted with a continuous liner	
as per Rule	as per Rule		
as fitted	as fitted		
Bronze Liners, thickness in way of bushes	Thickness between bushes	Is the after end of the liner made watertight in the propeller boss	
as per Rule	as per Rule		
as fitted	as fitted		
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 shaft			
Propeller, dia.	Pitch	No. of Blades	Material
			whether Movable
Feed Pumps worked from the Main Engines, No.	Diameter	Stroke	Can one be overhauled while the other is at work
Bilge Pumps worked from the Main Engines, No.	Diameter	Stroke	Can one be overhauled while the other is at work
Feed Pumps	No. and size	Pumps connected to the Main Bilge Line	No. and size
	How driven		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 to both Main Bilge Pumps and Auxiliary Bilge Pumps;—In Engine and Boiler Room			
In Pump Room			

Main Water Circulating Pump Direct Bilge Suctions, No. and size

Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size

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

MAIN BOILERS, &c.—(Letter for record) Total Heating Surface of Boilers

Is Forced Draft fitted

No. and Description of Boilers

Working Pressure

IS A REPORT ON MAIN BOILERS NOW FORWARDED?

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

Is the donkey boiler intended to be used for domestic purposes only

PLANS. Are approved plans forwarded herewith for Shafting

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

State the principal additional spare gear supplied

The foregoing is a correct description,

Manufacturer.



© 2021

Lloyd's Register Foundation

If not, state whether, and when, one will be sent

If a report also sent on the Hull of the Ship?

NOTE.—The words which do not apply should be deleted.

PILLAI

During progress of work in shops - - -
 Dates of Survey while building
 During erection on board vessel - - - 1st, 10th & 14th Dec. 1936.
 Total No. of visits 3.

Dates of Examination of principal parts—Cylinders Slides Covers
 Pistons Piston Rods
 Crank shaft Thrust shaft *pls. Rpt.* Connecting rods
 Tube shaft Screw shaft Intermediate shafts
 Stern tube Engine and boiler seatings 10-12-36 Propeller
 Completion of fitting sea connections 14-12-36 Engines holding down bolts
 Completion of pumping arrangements Boilers fixed Engines tried under steam
 Main boiler safety valves adjusted Thickness of adjusting washers
 Crank shaft material Identification Mark Thrust shaft material Identification Mark
 Intermediate shafts, material Identification Marks Tube shaft, material Identification Mark
 Screw shaft, material Identification Mark Steam Pipes, material Test pressure Date of Test
 Is an installation fitted for burning oil fuel *pls. Rpt.* Is the flash point of the oil to be used over 150°F.
 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 so, have the requirements of the Rules been complied with
 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 If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. *Routing of engine + boiler seats examined: latter left partly loose for shipping boilers. Fitting of sea connections, stern tube, propeller + shaft examined previous to launch. The vessel was stored at Glasgow & have machinery installed.*)

The amount of Entry Fee ... £ : :
 Special ... £ : :
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : :
 When applied for, 19...
 When received, 19...

J. Boyle
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 9-FEB 1937

Assigned See Gen. Rpt. No. 57965



© 2021

Lloyd's Register Foundation

The Surveyors are requested not to write on or below the space for Committee's Minute.

Im. 1.30 - T. NO. 12 - The records