

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

16 MAY 1934

Date of writing Report 4th MAY 1934 When handed in at Local Office 10th MAY 1934 Port of Greenock.

No. in Survey held at Port Glasgow.

Date, First Survey 14th NOVEMBER 1933 Last Survey 18th April 1934.

Reg. Book.

(Number of Visits 3)

on the S S "ARROW".

GROSS 4118.45.

Tons Net 2448.92.

When built 1924.

at Port Glasgow. By whom built Lithgows & Co.

Yard No. 866

made at Glasgow

By whom made D. Rowan & Co. Ltd

Engine No. ✓

When made ✓

made at "

By whom made "

Boiler No. ✓

When made ✓

red Horse Power

Owners ARROW SHIPPING CO. LTD.

Port belonging to LONDON.

Horse Power as per Rule

MANAGERS:- ISHERWOOD ARROW SHIPS. LTD.

Is Refrigerating Machinery fitted for cargo purposes No

Is Electric Light fitted Yes

for which Vessel is intended Foreign.

VES, &c.—Description of Engines Triple expansion

Revs. per minute

Cylinders

Length of Stroke

No. of Cylinders

No. of Cranks

Shaft, dia. of journals as per Rule

Crank pin dia.

Crank webs

Mid. length breadth

shrunk

Thickness parallel to axis

as fitted

as fitted

Mid. length thickness

as fitted

Thickness around eye-hole

Intermediate Shafts, diameter as per Rule

as fitted

Thrust shaft, diameter at collars as per Rule

as fitted

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

Yes.

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

boss Yes

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

or 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 ✓

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

If so, state type

Length of Bearing in Stern Bush next to and supporting propeller

er, dia.

Pitch

No. of Bushes

Material

whether Movable

Total Developed Surface

sq. feet

Pumps worked from the Main Engines, No.

Diameter

Stroke

Can one be overhauled while the other is at work

Pumps worked from the Main Engines, No.

Diameter

Stroke

Can one be overhauled while the other is at work

No. and size

Pumps connected to the

No. and size

How driven

Main Bilge Line

How driven

Pumps, No. and size

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

Independent means arranged for circulating water through the Oil Cooler

Suctions, connected to both Main Bilge Pumps and Auxiliary

Pumps;—In Engine and Boiler Room ✓

Room ✓

In Holds, &c. N° 1 hold 2-2 3/4" N° 2 Hold 2-3 1/4" ✓

N° 3 hold 2-2 3/4" N° 4 hold 2-2 3/4" ✓

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

Independent Power Pump Direct Suctions to the Engine Room Bilges,

size ✓

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

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 ✓

Sea Connections fitted direct on the skin of the ship Yes ✓

Are they fitted with Valves or Cocks both ✓

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 both ✓

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 ✓

Do they pass through the bunkers None

How are they protected ✓

Do they pass through the deep tanks ✓

Have they been tested as per Rule ✓

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

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

port to another Yes

Is the Shaft Tunnel watertight Yes

Is it fitted with a watertight door Yes

worked from main deck.

BOILERS, &c.—(Letter for record)

Total Heating Surface of Boilers

and Draft fitted

No. and Description of Boilers

Working Pressure

REPORT ON MAIN BOILERS NOW FORWARDED?

DONKEY BOILER FITTED?

If so, is a report now forwarded?

Key boiler intended to be used for domestic purposes only

Are approved plans forwarded herewith for Shafting

Main Boilers

Auxiliary Boilers

Donkey Boilers

ers

(If not state date of approval)

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

SPARE GEAR.

Spare gear required by the Rules been supplied ✓

Principal additional spare gear supplied ✓

The foregoing is a correct description,

Manufacturer.



© 2021

Lloyd's Register
Foundation

012888-012891-0244

During progress of work in shops - -
 Dates of Survey while building
 During erection on board vessel - -
 Total No. of visits

(1933) Nov. 14 (1934) Mar. 8 Apr. 18
 3

Dates of Examination of principal parts—Cylinders
 Slides
 Covers
 Pistons
 Piston Rods
 Connecting rods
 Crank shaft
 Thrust shaft
 Intermediate shafts
 Tube shaft
 Screw shaft
 Propeller
 Stern tube
 Engine and boiler seatings 18-4-34
 Engines holding down bolts
 Completion of fitting sea connections 18-4-34
 Completion of pumping arrangements holds 18-4-34 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
 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. The propeller, stern tube, tailshaft, and sea connections have been satisfactorily fitted on board. The bilge pumping arrangements in the holds have been fitted in accordance with the Rules & approved plans. tried & found satisfactory

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

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

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

Committee's MinuteGLASGOW 15 MAY 1934

Assigned See Gen. Rpt. No. 54570

