

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Date of writing Report 29-6-1937 When handed in at Local Office

Received at London Office JUN 24 1937

Port of Rotterdam

No. in Survey held at Reg. Book.

Schiedam

Date, First Survey 18-5-37

Last Survey 31-5-1937

89765 on the

S.S. "PLAVNIK"

(Number of Visits 4)

Built at Hamburg

By whom built

Schiffbau (J. S. Sch.) &amp; Co.

Yard No.

Tons } Gross

When built 1922

Engines made at Hannover

By whom made

Hannoversche Masch. A. Engine No.

When made 1922

Boilers made at

By whom made

Boiler No.

When made

Registered Horse Power

Owners

Proclausko Akcionarsko Husto Port belonging to Susak

Nom. Horse Power as per Rule

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

Trade for which Vessel is intended

22 7/16 - 37 1/16 - 60

- 39 3/8

18516

## ENGINES, &amp;c.—Description of Engines

Triple expansion

Revs. per minute

Dia. of Cylinders 540 x 940 x 1524

Length of Stroke 1000

No. of Cylinders 3

No. of Cranks 3

Crank shaft, dia. of journals

as per Rule 11.5

Crank pin dia.

300

Crank webs

Mid. length breadth

shrunken

Thickness parallel to axis

Intermediate Shafts, diameter

as per Rule

as fitted 11.80

11.81

Thrust shaft, diameter at collars

as per Rule

as fitted 11.55

300

11.81

Tube Shafts, diameter

as per Rule

as fitted

Screw Shaft, diameter

as per Rule

as fitted 12 5/8

Is the

tube

screw

shaft fitted with a continuous liner

Yes

Bronze Liners, thickness in way of bushes

as per Rule

as fitted 2 3/32

Thickness between bushes

as per Rule

as fitted 2 3/32

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

Yes

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

Yes

If two liners are fitted, is the shaft lapped or protected between the liners

Yes

Is an approved Oil Gland or other appliance fitted at the after end of the tube

shaft

If so, state type

Yes

Length of Bearing in Stern Bush next to and supporting propeller 886

Propeller, dia.

4600

Pitch

4150

No. of Blades

4

Material

C 240

whether Moveable

Solid

Total Developed Surface

8.32

sq. feet

Feed Pumps worked from the Main Engines, No.

2

Diameter

96

Stroke

500

Can one be overhauled while the other is at work

Yes

Bilge Pumps worked from the Main Engines, No.

2

Diameter

96

Stroke

500

Can one be overhauled while the other is at work

Yes

Feed Pumps

No. and size

How driven

Pumps connected to the

Main Bilge Line

No. and size

How driven

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

In Holds, &amp;c.

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

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-holes, 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

Yes

Are they fitted with Valves or Cocks

valves, cocks

Are they sized 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 pass through the bunkers

How are they protected

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

MAIN BOILERS, &amp;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

Superheaters

General Pumping Arrangements

Oil fuel Burning Piping Arrangements

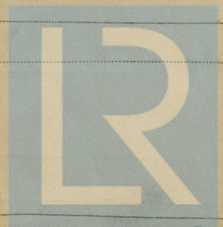
SPARE GEAR.

Has the spare gear required by the Rules been supplied

State the principal additional spare gear supplied

The foregoing is a correct description,

Manufacturer.



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Dates of Survey while building

During progress of work in shops - -

During erection on board vessel - - -

Total No. of visits

Dates of Examination of principal parts—Cylinders

Pistons

Crank shaft

Tube shaft

Stern tube

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.)

Certificate to be sent to

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

Committee's Minute

Assigned

FRI 22 OCT 1937

No action / See Ask. 7E-869

FRI. 30 DEC 1938

Engineer Surveyor to Lloyd's Register of Shipping.