

REPORT ON OIL ENGINE MACHINERY.

No. 15044A

MAY 11 1939

Received at London Office

JUL 19 1939

of writing Report 9 May 1939 When handed in at Local Office

Port of Amsterdam

in Survey held at

Date, First Survey 27 June 1938 Last Survey 4 May 1939

Book.

Number of Visits 36

on the ^{Single} ~~Double~~ ^{Triple} ~~Quadruple~~ Screw vessel

M.V. "OSCILLA"

Tons ^{Gross} _{Net}at Krumpen 9a yssel By whom built N.V. C.v.d. Guezen & Zⁿ Yard No. 657 When built 1939

ines made at Amsterdam By whom made N.V. Werkspoor Engine No. 740 When made 1939

key Boilers made at Amsterdam By whom made N.V. Werkspoor Boiler No. 2831 When made 1939

ke Horse Power 2000 Owners Port belonging to

a. Horse Power as per Rule 377 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted

le for which vessel is intended Open sea service

ENGINES, &c.—Type of Engines Solid injected Supercharged 2 or 4 stroke cycle 4 Single or double acting single

um pressure in cylinders 700 lbs Diameter of cylinders 650 Length of stroke 1400 No. of cylinders 6 No. of cranks 6

Indicated Pressure 1354 lbs

of bearings, adjacent to the Crank, measured from inner edge to inner edge 844 mm Is there a bearing between each crank Yes

utions per minute 120 Flywheel dia. 2260 mm Weight 6000 kg Means of ignition Solid injected Kind of fuel used Diesel oil

k ^{Solid forged} ^{Some built} ^{All built} dia. of journals as per Rule approved as fitted 460 mm Crank pin dia. 460 mm Crank Webs Mid. length breadth 870 mm Mid. length thickness 290 mm Thickness parallel to axis shrunk Thickness around eyehole

heel Shaft, diameter as per Rule approved as fitted 5 1/2" Intermediate Shafts, diameter as per Rule approved as fitted 350 mm Thrust Shaft, diameter at collars as per Rule approved as fitted 340 mm

Shaft, diameter as per Rule approved as fitted Screw Shaft, diameter as per Rule approved as fitted 370 mm Is the shaft fitted with a continuous liner Yes

ze Liners, thickness in way of bushes as per Rule approved as fitted 19.5 mm Thickness between bushes as per Rule approved as fitted 15 mm Is the after end of the liner made watertight in the

er boss If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner C.I.

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

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

no If so, state type Length of Bearing in Stern Bush next to and supporting propeller 1480 mm

ller, dia. 4270 mm Pitch 3500 mm No. of blades 4 Material Bronze whether Moveable no Total Developed Surface 62 sq. feet

rod of reversing Engines By Air Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication

Thickness of cylinder liners 55 mm Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with

ducting material water c. If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine to funnel

g Water Pumps, No. 3 salt 2 fresh water Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Pumps worked from the Main Engines, No. 2 Rotary type Diameter Stroke 350 mm Can one be overhauled while the other is at work Yes

s connected to the Main Bilge Line No. and Size 2 Rotary type 350 mm and 1 duplex 8" x 8" x 10" How driven main engine Steam driven

cooling water led to the bilges If so, state what special arrangements are made to deal with this water in addition to the ordinary bilge pumping

t Pumps, No. and size one 8" x 8" x 10" Power Driven Lubricating Oil Pumps, including Spare Pump, No. and size 1 rotary 40 mm/rev and 1 duplex 8" x 8" x 10"

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

No. and size:—In Machinery Spaces In Pump Room

ls, &c.

ndent Power Pump Direct Suctions to the Engine Room Bilges, No. and size

the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes Are the Bilge Suctions in the Machinery Spaces

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 Are they fitted with Valves or Cocks

fixed sufficiently high on the ship's side to be seen without lifting the platform plates Are the Overboard Discharges above or below the deep water line

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

pes pass through the bunkers How are they protected

pes 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

rangement 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

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

d vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork

ir Compressors, No. No. of stages Diameters Stroke Driven by

ry Air Compressors, No. 2 No. of stages 2 Diameters 206-104 Stroke 160 mm Driven by one by Steam engine one by Diesel engine

Auxiliary Air Compressors, No. No. of stages Diameters Stroke Driven by

provision is made for first Charging the Air Receivers 1 Compressor driven by steam engine

ing Air Pumps, No. to each bottom of cyl Diameter 650 mm Stroke 1400 mm Driven by main engine

ry Engines crank shafts, diameter as per Rule approved as fitted 110 mm No. of cranks 6 Position

Auxiliary Engines been constructed under special survey Yes Is a report sent herewith

this report 15561

© 2020

Lloyd's Register
Foundation

AIR RECEIVERS:—Have they been made under survey

State No. of Report or Certificate 5598-5599

Is each receiver, which can be isolated, fitted with a safety valve as per Rule

Can the internal surfaces of the receivers be examined and cleaned

Is a drain fitted at the lowest part of each receiver

Injection Air Receivers, No.

Cubic capacity of each

Internal diameter

thickness

Seamless, lap welded or riveted longitudinal joint

Material

Range of tensile strength

Working pressure

Starting Air Receivers, No.

Total cubic capacity

Internal diameter

thickness

Seamless, lap welded or riveted longitudinal joint

Material

Range of tensile strength

Working pressure

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

Receivers

Separate Fuel Tanks

Donkey Boilers

General Pumping Arrangements

Pumping Arrangements in Machinery Space

Oil Fuel Burning 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,

WERKSPOR N.V.

Manufacturer.

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

Crank shaft

Screw shaft

Completion of fitting sea connections

Crank shaft, Material

Thrust shaft, Material

Tube shaft, Material

Identification Marks on Air Receivers

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks

Identification Marks