

Rpt. 4b.

REPORT ON OIL ENGINE MACHINERY.

-8 JUL 1936

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Port of Amsterdam

No. in Survey held at
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Amsterdam & Hengelo Date, First Survey 14 March 1935 Last Survey 20 April 1936

Number of Visits 2

on the ~~Single~~
~~Double~~
~~Triple~~
~~Quadruple~~
Screw vessel

MV 202 "ERINNA"

Tons ^{Gross}
_{Net}

Built at Flushing

By whom built Kon M^r De Schelde

Yard No. 202 When built 1936

Engines made at Amsterdam

By whom made N.P. Waghoeer

Engine No. When made 1936

Donkey Boilers made at

By whom made

Boiler No. When made

Brake Horse Power 2000

Owners

Port belonging to

Nom. Horse Power as per Rule 377

Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

Trade for which vessel is intended

25 9/16

55 1/2

OIL ENGINES, &c. Type of Engines Diesel oilless injection type 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 700 LBS Diameter of cylinders 650 mm Length of stroke 1400 mm No. of cylinders 6 No. of cranks 6

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 834 mm Is there a bearing between each crank Yes

Revolutions per minute 120 Flywheel dia. 2260 Weight 6000 kg Means of ignition Hotels Kind of fuel used crude oil

Crank Shaft, dia. of journals as per Rule 444 mm 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 eye hole

Flywheel Shaft, diameter as per Rule 444 mm as fitted 460 mm Intermediate Shafts, diameter as per Rule 350 mm as fitted 350 mm Thrust Shaft, diameter at collars as per Rule 340 mm as fitted 340 mm

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

Bronze Liners, thickness in way of bushes as per Rule 14.5 mm as fitted 15 mm Thickness between bushes as per rule 15 mm 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

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 If so, state type Length of Bearing in Stern Bush next to and supporting propeller 1400 mm

Propeller, dia. 4270 mm Pitch 2500 mm No. of blades 4 Material bronze whether Moveable no Total Developed Surface 62 sq. feet

Method of reversing Engines by hand Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced

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 non-conducting material lagged

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

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

What special arrangements are made for dealing with cooling water if discharged into bilges

Bilge Pumps worked from the Main Engines, No. 2 rotary type with 35 1/2 Can one be overhauled while the other is at work Yes

Pumps connected to the Main Bilge Line No. and Size 2 rotary & 1 general service 8x8x10 How driven 4000 RPM & by steam

Ballast Pumps, No. and size One 8x8x10 Power Driven Lubricating Oil Pumps, including Spare Pump, No. and size 2 rotary 4000 RPM 8x8x10

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

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

In Holds, &c.

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 Spaces

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 platform 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

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

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

Auxiliary Air Compressors, No. 2 No. of stages 2 Diameters 206x108 mm Stroke 160 mm Driven by 1 by steam engine 1 by Diesel engine

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

Scavenging Air Pumps, No. Diameter Stroke Driven by

Auxiliary Engines crank shafts, diameter as per Rule as fitted Position

AIR RECEIVERS:—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

High Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

Seamless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules Actual

Starting Air Receivers, No. Total cubic capacity Internal diameter thickness

Seamless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules Actual

