

## REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

25 JUL 1927

Date of writing Report 15-7-27 When handed in at Local Office

Port of Rotterdam

Survey held at  
g. Book.

Date, First Survey 1-10-26 Last Survey 13-7-1927

(Number of Visits 32)

on the *Heel Jeroen Heamer, BOSKOOP*

Tons { Gross 5475

Net 3293.

When built 1927

Built at *Thimpen & Yssel* By whom built *H. V. Giesen & Zoon Scheepswerven*

Yard No. 574

Engines made at *Rotterdam* By whom made *Pott Drogel Ny*

Engine No. 154

when made 1927

Boilers made at *Rotterdam* By whom made *Pott Drogel Ny*

Boiler No. 430/32

when made 1927

Registered Horse Power

Owners. *Van Ned. Hoomb. Ma.*Port belonging to *Amsterdam*

Horse Power as per Rule

522.

Is Refrigerating Machinery fitted for cargo purposes

No

Is Electric Light fitted

Yes

Use for which Vessel is intended *General Trade*Engines, &c. — Description of Engines *Vertical double compound semi valve type* Revs. per minute 83No. of Cylinders *2 x 560 x 1200* Length of Stroke *1200 mill* No. of Cranks *4*Crank shaft, dia. of journals *384 mill* Crank pin dia. *384 mill* Crank webs *4.50 mill* Thickness parallel to axis *212 mill*Intermediate Shafts, diameter *366 mill* Thrust shaft, diameter at collars *384 mill*Shafts, diameter *366 mill* Screw Shaft, diameter *400 mill* Is the *tube* shaft fitted with a continuous liner *Yes*Liners, thickness in way of bushes *12 mill* Thickness between bushes *12 mill* Is the after end of the liner made watertight in theAfter boss *Yes* If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner *One length*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 liners are fitted, is the shaft lapped or protected between the liners *Yes* Is an approved Oil Gland or other appliance fitted at the afterEnd of the tube shaft *Yes* Length of Bearing in Stern Bush next to and supporting propeller *1045 mill*Propeller, dia. *16' 11"* Pitch *15' 9"* No. of Blades *4* Material *Propeller* whether Movable *Yes* Total Developed Surface *99* sq. feetPumps worked from the Main Engines, No. *2* Diameter *105 mill* Stroke *6.25 mill* Can one be overhauled while the other is at work *Yes*Pumps worked from the Main Engines, No. *2* Diameter *105 mill* Stroke *6.25 mill* Can one be overhauled while the other is at work *Yes*Pumps connected to the Main Bilge Line No. and size *1 à 6 x 4 1/2 x 6* How driven *Steam*Lubricating Oil Pumps, including Spare Pump, No. and size *1 à 8 x 9 x 10*Independent means arranged for circulating water through the Oil Cooler *Yes* Suctions, connected to both Main Bilge Pumps and AuxiliaryPumps; — In Engine and Boiler Room *5 à 90 mill* *1 à 125 mill* *1 in tunnel well à 60 mill*Suctions, &c. *1 à 80 mill* *1 à 90 mill* *1 à 80 mill* *1 à 80 mill* *1 à 30 mill* *1 à 30 mill*Water Circulating Pump Direct Bilge Suctions, No. and size *1 à 200 mill* Independent Power Pump Direct Suctions to the Engine Room Bilges,No. and size *1 à 100 mill* *1 à 90 mill* Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes *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*Connections 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 *Below*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*Pipes are carried through the bunkers *None* How are they protected *None*Pipes pass through the deep tanks *None* Have they been tested as per Rule *Yes*Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times *Yes*

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

Space to another *Yes* Is the Shaft Tunnel watertight *Yes* Is it fitted with a watertight door *Yes* worked from *Upper platform*BOILERS, &c. — (Letter for record *2*) Total Heating Surface of Boilers *8770*Draft fitted *Yes* No. and Description of Boilers *Single ended Multitubular* Working Pressure *200 lbs*REPORT ON MAIN BOILERS NOW FORWARDED? *Yes*DONKEY BOILER FITTED? *No* If so, is a report now forwarded? *No*Are approved plans forwarded herewith for Shafting *Yes* Main Boilers *Yes* Auxiliary Boilers *Yes* Donkey Boilers *Yes*(If not state date of approval) *19.8.26* *8.7.26*General Pumping Arrangements *14.12.26* Oil fuel Burning Piping Arrangements *3.3.27*

E GEAR. State the articles supplied:—

Set of top end bolts and nuts, two bottom end bolts and nuts, 2 main beam bolts

Set of coupling bolts, one set of belgi and fix pump valves, one set of top

bottom end bearings. A quantity of assorted bolts and nuts and iron

arrows and. Further as per attached list.

The foregoing is a correct description,

ROTTERDAMSCHER BROODBOEK MAATSCHAPPIJ

DIRECTEUR

Manufacturer.



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