

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 19 Port of Rotterdam

Survey held at Date, First Survey 1-10-26 Last Survey 13-7-1927
No. of Visits 32

on the *Heel Suro Steamer, "BOSKOOP"* Tons Gross 5475 Net 3293

built at *Thuispen 2 1/2 Yards* By whom built *H. V. G. G. van Gerven & Zoon Scheepswerven* Yard No. 574 When built 1927

Engines made at *Rotterdam* By whom made *Pott Droogal Mij* Engine No. 154 when made 1927

Boilers made at *Rotterdam* By whom made *Pott Droogal Mij* Boiler No. 430/32 when made 1927

Registered Horse Power Owners *Van Ned. Hoomb Mij* Port belonging to *Amsterdam*

Net 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 83

No. of Cylinders *2 x 560 x 1200* Length of Stroke *1200 mill* No. of Cranks *4* 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*

Propeller Shafts, diameter *400 mill* Is the shaft fitted with a continuous liner *Yes*

Liner thickness in way of bushes *12 mill* Thickness between bushes *12 mill* Is the after end of the liner made watertight in the stern 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*

Does the liner do 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 *No*

Are the liners are fitted, is the shaft lapped or protected between the liners *No* Is an approved Oil Gland or other appliance fitted at the after end of the tube shaft *No*

Propeller, dia. *16' 11"* Pitch *15' 9"* No. of Blades *4* Material *Propeller* whether Movable *etc* Total Developed Surface *99* sq. feet

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 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*

How driven *Steam* Pumps connected to the Main Bilge Line No. and size *1 a 6 x 4 1/2 x 6* How driven *Steam*

Oil Pumps, No. and size *1 a 8 x 9 x 10* Lubricating Oil Pumps, including Spare Pump, No. and size *2*

Oil 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 *5 a 90 mill* *1 a 125 mill* *1 in tunnel well a 60 mill*

Water Circulating Pump Direct Bilge Suctions, No. and size *1 a 200 mill* Independent Power Pump Direct Suctions to the Engine Room Bilges, No. and size *1 a 100 mill* *1 a 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 *Yes*

Sea Connections fitted direct on the skin of the ship *Yes* Are they fitted with Valves or Cocks *Both*

Are they 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 *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*

Are the pipes are carried through the bunkers *None* How are they protected *None*

Do the pipes pass through the deep tanks *None* Have they been tested as per Rule *Yes*

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

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 *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*

Is the Draft fitted *Yes* No. and Description of Boilers *single ended tubular* 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 Main Boilers *19.8.26* Auxiliary Boilers *2* Donkey Boilers *2*

General Pumping Arrangements *14.12.26* Oil fuel Burning Piping Arrangements *3.3.27*

TOOL 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 bilge and feed pump valves, one set top

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

arrows and nuts. Further as per attached list.

The foregoing is a correct description,

ROTTERDAMSCHER DROOGBOEK MAATSCHAPPIJ
DIRECTEUR

[Signature]
Manufacturer.



