

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

MAR 28 1940

Writing Report 17 March 1940 When handed in at Local Office

Port of Amsterdam

Survey held at

Amsterdam

Date, First Survey 27 April 1939 Last Survey 29 February 1940

(Number of Visits 53)

Book.

Bo on the

5/5 STAD ALKMAAR

Tons { Gross 5750
Net

Built at Rotterdam By whom built N.V. Wilton Fijenoord Schipw.

Yard No. 669

When built 1940

Engines made at Amsterdam By whom made N.V. Werkspoor

Engine No.

When made 1940

Boilers made at Amsterdam By whom made N.V. Werkspoor

Boiler No. 2078/80 When made 1940

Registered Horse Power 2700 Owners Halcyon Lyn. N.V.

Port belonging to Rotterdam.

Horse Power as per Rule 510. Is Refrigerating Machinery fitted for cargo purposes

Is Electric Light fitted

Use for which Vessel is intended Ocean Trade

GINES, &c. Description of Engines Triple expansion for Ocean going service Revs. per minute 74

No. of Cylinders 670x1100x1050mm Length of Stroke 1220mm No. of Cylinders 31 No. of Cranks 3

Crank shaft, dia. of journals as per Rule 380mm Crank pin dia. 380mm Crank webs Mid. length breadth 720 shrunk Thickness parallel to axis 285-240

Intermediate Shafts, diameter as per Rule 360mm Thrust shaft, diameter at collars as per Rule 380mm

Screw Shaft, diameter as per Rule 402mm Is the shaft fitted with a continuous liner Yes

Liner thickness in way of bushes as per Rule 20mm Thickness between bushes as per Rule 15mm Is the after end of the liner made watertight in the

If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

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

Length of Bearing in Stern Bush next to and supporting propeller 1615mm

Propeller, dia. 5700mm Pitch 2060 Boss No. of Blades 4 Material Bronze whether Movable no Total Developed Surface 110.4 sq. feet

Main Engines, No. 2 Diameter 110mm Stroke 650mm Can one be overhauled while the other is at work Yes

Main Engines, No. 2 Diameter 110mm Stroke 650mm Can one be overhauled while the other is at work Yes

Pumps connected to the Main Bilge Line No. and size 2 = 12"x10"x12" How driven Steam driven

Lubricating Oil Pumps, including Spare Pump, No. and size

Oil Cooler Suctions, connected to both Main Bilge Pumps and Auxiliary

In Holds, &c.

Independent Power Pump Direct Suctions to the Engine Room Bilges,

Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes

the 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

all Sea Connections fitted direct on the skin of the ship Are they fitted with Valves or Cocks

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

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

at Pipes pass through the bunkers How are they protected

at pipes pass through the deep tanks Have they been tested as per Rule

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

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

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

IN BOILERS, &c. (Letter for record S) Total Heating Surface of Boilers 7200sq. 7233

Forced Draft fitted Yes No. and Description of Boilers 3 Single ended Working Pressure 14kg. = 199 lb.

A REPORT ON MAIN BOILERS NOW FORWARDED? Yes

A DONKEY BOILER FITTED? no If so, is a report now forwarded?

the donkey boiler intended to be used for domestic purposes only

Are approved plans forwarded herewith for Shafting Main Boilers 24-3-39 Auxiliary Boilers Donkey Boilers

Preheaters 20-2-40 General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR.

the spare gear required by the Rules been supplied

the principal additional spare gear supplied

The foregoing is a correct description.

WERKSPoor N.V.

Manufacturer.



© 2019

Lloyd's Register
Foundation

W290-0026

Dates
of Survey
while
building

During progress of
work in shops - -

During erection on
board vessel - - -

Total No. of visits

1939 March 27. April 4. 5. 18. May 1. 30. 31. June 5. 15. 23. 30. July 3. 5. 17. 19. 20. 21. 26. Aug. 2. 28. Sept.
Sept. 23. 25. 29. Oct. 3. 12. 18. 20. 25. 30. Nov. 7. 10. 16. 20. 21. Dec. 2. 12. 14. 29. Jan. 4. 9. 16. 24. 31. Feb. 6. 9. 13. 19.
1940
Dates of Examination of principal parts—Cylinders 8-12-39. 19-12-39. 24-1-40 Slides 1-10-39; 16-1-40 Covers 16-1-40; 24-1-40
Pistons 16-1-40; 31-1-40 Piston Rods 16-1-39; 31-1-40 Connecting rods 16-11-39; 24-1-40; 31-1-40
Crank shaft 29/9/39; 20-11-39; 21-1-40 Thrust shaft 10-9-39; 21-11-39; 24-1-40 Intermediate shafts 10-9-39-21-11-39; 24-1-40
Tube shaft 23-9-39; 21-11-39; 24-1-40 Propeller
Stern tube P. O. 39. Engine and boiler seatings Engines holding down bolts
Completion of fitting sea connections Boilers fixed Engines tried under steam
Completion of pumping arrangements Thickness of adjusting washers
Main boiler safety valves adjusted Identification Mark as per list Thrust shaft material SMS Identification Mark as per list
Crank shaft material SMS Identification Marks as per list Tube shaft, material L Identification Mark L
Intermediate shafts, material SMS Identification Marks as per list Steam Pipes, material Test pressure Date of Test
Screw shaft, material SMS Identification Mark as per list Is the flash point of the oil to be used over 150°F.
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 no If so, have the requirements of the Rules been complied with
If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with yes
Is this machinery duplicate of a previous case no If so, state name of vessel L
General Remarks (State quality of workmanship, opinions as to class, &c.)

The engine has been made under special Survey in accordance with the approved plans. Society's rules and Secretary's letter. Material duly tested, workmanship throughout good.

The engine has been shipped to Schiedam and will be fitted aboard Messrs. Wilton's Tyne and Tard No. 669.

A copy of this report has been forwarded to the Rotterdam Surveyors.

The amount of Entry Fee ... £ 72 - : When applied for,
Special ... 3/4 ... £ 965 - : 22.3.19.40
Donkey Boiler Fee ... £ :
Travelling Expenses (if any) £ 68.50. : When received, 29.6.40

Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute

Assigned

No action