

REPORT ON OIL ENGINE MACHINERY.

No. 15002
31 MAR 1926

Date of writing Report 10-3-1926 When handed in at Local Office

Port of Rotterdam

No. in Survey held at Rotterdam
Reg. Book.

Date, First Survey 9-2-25 Last Survey 16-3-1926

Number of Visits 38

Single
on the Twin Screw vessel
Triple

WOENS DRECHT

Tons Gross 4668
Net 2627

Built at Rotterdam By whom built *Mr. J. Schep. Werkhuys. Tienow* Yard No. 301 When built 1926

Engines made at Rotterdam By whom made .. Engine No. 534 When made 1926

Donkey Boilers made at Rotterdam By whom made .. Boiler No. 1311-12 When made 1926

Brake Horse Power .. Owners *Stoom Ma. De Cbaas* Port belonging to Rotterdam

Nom. Horse Power as per Rule 438 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

L ENGINES, &c.—Type of Engines *MAN Diesel* 2 or 4 stroke cycle 4 Single or double acting Single
Maximum pressure in cylinders 358 lbs No. of cylinders 6 Diameter of cylinders 700 mill No. of cranks 6 Length of stroke 1400 mill
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 970 mill Is there a bearing between each crank Yes
Revolutions per minute 105 Flywheel dia. 2750 mill Weight 12700 kg Means of ignition Compression Kind of fuel used Diesel oil
Crank Shaft, dia. of journals as per Rule 450 mill Crank pin dia. 450 mill Crank Webs Mid. length breadth 890 mill Thickness parallel to axis 145 mill
as fitted 450 mill Mid. length thickness 190 mill Thickness around eye hole 195 mill
Flywheel Shafts, diameter as per Rule 450 mill Intermediate Shafts, diameter as per Rule 320 mill Thrust Shaft, diameter at collars as per Rule 330 mill
as fitted 450 mill as fitted 320 mill as fitted 330 mill
Screw Shaft, diameter as per Rule 340 mill Is the screw shaft fitted with a continuous liner Yes
as fitted 340 mill

Conze Liners, thickness in way of bushes as per Rule 22" & 25 mill Thickness between bushes as per Rule 17" mill Is the after end of the liner made watertight in the
as fitted 22" & 25 mill as fitted 17" mill
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 One length
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 Yes
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
of the tube shaft No Length of Bearing in Stern Bush next to and supporting propeller 1540 mill

Propeller, dia. 4520 mill Pitch 3360 mill No. of blades 4 Material *Phonix* whether Moveable No Total Developed Surface 7.25 sq feet
Method of reversing Engines Camshaft Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication
Forged Thickness of cylinder liners 40 mill Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with
conducting material Yes If the exhaust is led overboard near the waterline, what means are arranged to prevent water from being syphoned back to the engine In funnel

Boiling Water Pumps, No. 2 Is the sea suction provided with an efficient strainer which can be cleared within the vessel Yes
Large Pumps fitted to the Main Engines, No. None Diameter Stroke Can one be overhauled while the other is at work
Pumps connected to the Main Bilge Line No. and Size 2 6" x 4 1/2" x 9 250 x 190 x 160 mill
How driven Steam & Motor driven

Fast Pumps, No. and size 1 à 5" x 4 1/2" x 8" Lubricating Oil Pumps, including Spare Pump, No. and size 2 rotary pumps à 2 c.c. per hour
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 Engine and Boiler Room 2 à 6" x 6" x 6" 2 à 8" x 6" x 6" 2 à 6" x 6" x 6" in after room
Holds, &c. 2 in A.C.D. à 3" 2 in each pump room à 1 1/2" x 3"

Dependent Power Pump Direct Suctions to the Engine Room Bilges, No. and size 90 mill
All the Bilge Suction pipes in Holds and Tunnel Well fitted with strum-boxes Yes Are the Bilge Suctions in the Machinery Space
from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges Yes
All Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks Both
they fixed sufficiently high on the ship's side to be seen without lifting the platform plates Yes Are the Overboard Discharges above or below the deep water line Above
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
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 Yes
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 Yes Is the Shaft Tunnel watertight No tunnel Is it fitted with a watertight door worked from
A wood vessel, what means are provided to prevent leakage of either fuel oil or of lubricating oil from saturating the woodwork

in Air Compressors, No. One No. of stages 3 Diameters 300 x 60 x 150 mill Stroke 500 mill Driven by Main shaft
Auxiliary Air Compressors, No. One No. of stages 3 Diameters 164 x 120 x 82 mill Stroke 250 mill Driven by Steam Engine
All Auxiliary Air Compressors, No. No. of stages Diameters Stroke Driven by
Tons. 150
66 Avenging Air Pumps, No. Diameter Stroke Driven by
as per Rule
as fitted

RECEIVERS:—Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes
the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Manhole in end plates
there a drain arrangement fitted at the lowest part of each receiver Yes

Pressure Air Receivers, No. 2 Cubic capacity of each 400 litres Internal diameter 410 mill thickness 10 mill
Material S.M. Steel Range of tensile strength 20-32 tons Working pressure by Rules
less, lap welded or riveted longitudinal joint

Working Air Receivers, No. 2 Total cubic capacity 3274 litres Internal diameter 1902 mill thickness 16 mill
Material S.M. Steel Range of tensile strength 44-50.4 tons Working pressure by Rules 25.5 lbs
less, lap welded or riveted longitudinal joint Double butt 3 x riv

Water Capacity 150
66 Auxiliary Engines crank shafts, diameter as per Rule
as fitted

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a report now forwarded? *Yes*

REMARKS.