

pt. 4c.

om. No. 687504

ate of writing Report

No. in Survey held at Cologne

Reg. Book.

Single  
on the Twin } Screw vessel  
Triple  
Quadruple

Built at Martenshoek

Owners

Oil Engines made at Cologne

Generators made at

No. of Sets 1 Aux. Engine Brake Horse Power 36 ✓ Nom. Horse Power as per Rule 10 Total Capacity of Generators Kilowatts.

IL ENGINES, &c.—Type of Engines Heavy oil engine OMZ 122 2 or 4 stroke cycle 2 Single or double acting single

Maximum pressure in cylinders 50 kg/cm<sup>2</sup> Diameter of cylinders 150 mm ✓ Length of stroke 220 mm No. of cylinders 2 No. of cranks 2 ✓

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 210 mm ✓ Is there a bearing between each crank yes

Revolutions per minute 600 ✓ Flywheel dia. 900 mm Weight 190 kgs. Means of ignition sol. inject. Kind of fuel used on test bed gas oil

Crank Shaft, dia. of journals as per Rule 90 mm ✓ Crank pin dia. 90 mm ✓ Crank Webs Mid. length breadth 128 mm ✓ Thickness parallel to axis 51 mm ✓ Mid. length thickness 51 mm ✓ Thickness around eye hole

Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners

Is a governor or other arrangement fitted to prevent racing of the engine when declutched yes ✓ Means of lubrication forced ✓

Are the cylinders fitted with safety valves yes ✓ Are the exhaust pipes water cooled or lagged with non-conducting material water cooled ✓

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

Lubricating Oil Pumps, No. and size 1 tooth wheel pump Capacity 437 lts/h ✓

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

29-7-39 scavenging Air Pumps, No. two Diameter 260 mm Stroke 115 mm Driven by main engine itself ✓

AIR RECEIVERS:—Have they been made under Survey State No. of Report or Certificate

Is each receiver, which can be isolated, fitted with a safety valve as per Rule

Can the internal surfaces of the receivers be examined What means are provided for cleaning their inner surfaces

Is there a drain arrangement 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

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

ELECTRIC GENERATORS:—Type

Pressure of supply volts. Full Load Current Amperes. Direct or Alternating Current

Is an alternating current system, state the periodicity Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off

Generators, are they compounded as per rule is an adjustable regulating resistance fitted in series with each

Is the field Are all terminals accessible, clearly marked, and furnished with sockets

Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Are the lubricating arrangements of the generators as per Rule

If the generators are under 100 kw. full load rating, have the Makers supplied certificates of test and do the results comply with the requirements

If the generators are 100 kw. or over have they been built and tested under survey

ANS. Are approved plans forwarded herewith for Shafting 622472 17.3.32 Receivers Separate Tanks

SHAFTING GEAR As per Rules ✓

The foregoing is a correct description,

Klöckner-Humboldt-Deutz AG

Manufacturer.



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Lloyd's Register Foundation

W 387-0013

BELONGS TO GRONINGEN Rpt No. VESSEL'S NAME, "EMINENT"



Dates of Survey while building { During progress of work in shops - - } 5.6., 12.6., 4.7., 11.7., 19.7.1939  
 { During erection on board vessel - - }  
 { Total No. of visits }

Dates of Examination of principal parts—Cylinders 4.7., 19.7. Covers 4.7., 19.7. Pistons 19.7. Piston rods  
 Connecting rods 5.6., 12.6., 19.7. Crank ~~and~~ shafts 5.6., 11.7., 19.7. Intermediate shafts  
 Crank ~~and~~ shafts, Material S.M. Steel Identification Marks LLOYD'S 3981 H.B. 11.7.39.  
 Intermediate shafts, Material Connecting rods Identification Marks 432 H.B.  
 Identification marks on Air Receivers

Is this machinery duplicate of a previous case yes If so, state name of vessel My. De Noord, Yard No. 523  
Düsseldorf, Report No. 83

General Remarks (State quality of workmanship, opinions as to class, &c.)

This auxiliary engine has been constructed under special survey in accordance with the Society's Rules and Regulations as well as with the approved plan and the instructions thereto. The auxiliary engine has been tested on Maker's test bed in the presence of the undersigned under full load during 7 hours and 10 % overload during 1 hour and was found working satisfactory during these trials. After trials all working parts have been opened out for examination and were found in good condition. The material used in the construction was found to be good and the workmanship satisfactory.  
 A copy of this report has been forwarded to the Rotterdam Surveyors.

The amount of Fee ... x RM 70.--

Travelling Expenses (if any) x RM 12.--

When applied for, Düsseldorf  
 28.7.1939 A/c No. 12634

When received,  
 Payment assumed

H. Brüggemann  
 Surveyor to Lloyd's Register of Shipping.

TUE 12 DEC 1939

Committee's Minute

Assigned

See Gro. J.E. 86



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Rpt. 13.

Date of writing

No. in Reg. Book

Built at

Ownership

Electric

Is the Vessel

System of

Pressure

Direct or

If alternat

Has the A

Generator

are they of

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