

COPY

Rotterdam Report N^o 289706.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15914 B

17 SEP 1945

4c.

Received at London Office 17 SEP 1945

of writing Report 6th of March 1945 When handed in at Local Office 19 Port of Amsterdam

in Survey held at Heengelo Date, First Survey 26th of Oct Last Survey 3rd of Nov 1939 Number of Visits 3

on the Single Screw vessel "Papendrecht" Tons Gross Net

at Rotterdam By whom built Rotterdamse Dr. Dok Nij. Yard No. 220 When built 1940

ers N.Y. Stoomvaart Nij. "De Mevas" Port belonging to Rotterdam

diam Engines made at Heengelo By whom made Mach. fabri. Gebr. Stok Contract No. 4403 When made 1940

erators made at Odense By whom made Thrige Contract No. When made 1940

es and of Sets 1 Engine Brake Horse Power 30 Nom. Horse Power as per Rule 68 Total Capacity of Generators 20 Kilowatts.

ENGINE, &c.—Type of Engines Stok Gans Motor 2 or 4 stroke cycle 4 Single or double acting Single

imum pressure in cylinders 45 kg/cm. Diameter of cylinders 150 mm Length of stroke 185 mm No. of cylinders 2 No. of cranks 2

n of bearings, adjacent to the Crank, measured from inner edge to inner edge 378 mm. Is there a bearing between each crank

olutions per minute 750 Flywheel dia. 950 mm Weight 330 kg. Means of ignition Compression Kind of fuel used Diesel Oil.

ank Shaft, dia. of journals as per Rule 90 mm Crank pin dia. 90 mm Crank Webs Mid. length breadth 115 mm Thickness parallel to axis

Mid. length thickness 48.5 mm Thickness around eyehole

wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners No liner fitted.

governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication forced.

the cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material

oling Water Pumps, No. 1 Centrif. pump cap 70 ltr Is the sea suction provided with an efficient strainer which can be cleared within the vessel

ricating Oil Pumps, No. and size 1 tooth wheel pump cap: 13 liters per mt.

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

enging Air Pumps, No. Diameter Stroke Driven by

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

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

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

here a drain arrangement fitted at the lowest part of each receiver

h Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

rting Air Receivers, No. Total cubic capacity Internal diameter thickness

unless, 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

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

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

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

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

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

he generators are 100 kw, or over have they been built and tested under survey

ANS. Are approved plans forwarded herewith for Shafting 14th Nov: 1939 Receivers Separate Tanks

IRE GEAR As per rule.

The foregoing is a correct description,

Manufacturer.



005082-005088-0181

Dates of Survey while building { During progress of work in shops - - } 16-10-39; 17-10-39; 3-11-39.
 { During erection on board vessel - - - }
 Total No. of visits

Dates of Examination of principal parts—Cylinders 16/10 Covers 16/10 Pistons 16/10 Piston rods ✓
 Connecting rods 16/10 Crank and Flywheel shafts 16/10 Intermediate shafts ✓
 Crank and Flywheel shafts, Material S. M. Steel Identification Marks LLOYD'S
 No 1008 H.K.
 14-1-38.
 Intermediate shafts, Material ✓ Identification Marks ✓
 Identification marks on Air Receivers ✓

Is this machinery duplicate of a previous case? *Yes* If so, state name of vessel *Papendrecht*

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 approved plan and Secretary letters. The material used in the construction was found to be good and workmanship satisfactory. The Auxiliary engine has been tested on Makus Testbench under full load and was found working satisfactorily and is in my opinion suitable to be placed on board the M. F. "Papendrecht" build by Messrs Rotterdamse-Droogdok Maatschappij Yard No 120 for the purpose intended.*

The amount of Fee £ : : When applied for,19.....
 Travelling Expenses (if any) £ : : When received,19.....

Mr. Murray
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 18 JAN 1946*
 Assigned *See Note 100 & 81*



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1m.5.37.—Transfer. (The Surveyors are requested not to write on or below the space for Committee Minute.)