

COPY

Rotterdam Report N<sup>o</sup> 289706.

4c.

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 15914<sup>B</sup>

17 SEP 1945

of writing Report *6<sup>th</sup> of March 1945* When handed in at Local Office *19* Port of *Amsterdam*  
 in Survey held at *Haengelo* Date, First Survey *26<sup>th</sup> of Oct* Last Survey *3<sup>rd</sup> of Nov* 19*39*  
 open Book. Number of Visits *3*  
 on the *Single* Screw vessel *"Papendrecht"* Tons { Gross \_\_\_\_\_ Net \_\_\_\_\_  
 Triple \_\_\_\_\_  
 Quadruple \_\_\_\_\_  
 at *Rotterdam* By whom built *Rotterdamse Dr. Sch. Mij. Yard No. 220* When built *1940*  
 ers *H. H. Oskom van der Mij. "De Meas"* Port belonging to *Rotterdam*  
 Engines made at *Haengelo* By whom made *Mach. fabri. Gebr. Stork Eng.* Contract No. *4403* When made *1940*  
 erators made at *Odense* By whom made *Thrige* Contract No. \_\_\_\_\_ When made *1940*  
 es and of Sets *I* Engine Brake Horse Power *30* Nom. Horse Power as per Rule *68* Total Capacity of Generators *20* Kilowatts.

ENGINES, &c.—Type of Engines *Stork Gas Motor* 2 or 4 stroke cycle *4* Single or double acting *Single*  
 imum pressure in cylinders *45 k.g./m.* 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 k.g.* Means of ignition *Compression* Kind of fuel used *Diesel oil.*  
 shut o  
 ank Shaft, dia. of journals as per Rule \_\_\_\_\_ as fitted *90 mm* Crank pin dia. *90 mm* Crank Webs Mid. length breadth *115 mm* Thickness parallel to axis \_\_\_\_\_  
 as fitted \_\_\_\_\_ Mid. length thickness *48.5 mm* Thickness around eye-hole \_\_\_\_\_  
 as per Rule \_\_\_\_\_ Intermediate Shafts, diameter as per Rule \_\_\_\_\_ as fitted \_\_\_\_\_ Thickness of cylinder liners *No liner fitted.*  
 as fitted \_\_\_\_\_  
 st pres  
 ain co  
 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 Cent. pump cap 70 ltr* Is the sea suction provided with an efficient strainer which can be cleared within the vessel ☒  
 oricating Oil Pumps, No. and size *1 tooth wheel pump cap: 13 liters per min.*  
 Compressors, No. \_\_\_\_\_ No. of stages \_\_\_\_\_ Diameters \_\_\_\_\_ Stroke \_\_\_\_\_ Driven by \_\_\_\_\_  
 unufac  
 venging 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 \_\_\_\_\_  
 mless, 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 \_\_\_\_\_  
 mless, lap welded or riveted longitudinal joint ☒ Material \_\_\_\_\_ Range of tensile strength \_\_\_\_\_ Working pressure by Rules \_\_\_\_\_

ELECTRIC GENERATORS:—Type \_\_\_\_\_  
 ssure of supply \_\_\_\_\_ volts. Full Load Current \_\_\_\_\_ Amperes. Direct or Alternating Current \_\_\_\_\_  
 lternating 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 \_\_\_\_\_

1NS. Are approved plans forwarded herewith for Shafting *14<sup>th</sup> Nov: 1939* Receivers ☒ Separate Tanks ☒  
 (If not, state date of approval)

IRE GEAR *as per rule.* ☒

The foregoing is a correct description,

Manufacturer.



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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 Makers testbench under full load and was found working satisfactorily and is in my opinion suitable to be placed on board the M. V. "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 & 84*



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