

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 22856

JUL 25 1939

Date of writing Report 19 When handed in at Local Office 24. 7. 1939 Port of *Antwerp*  
 No. in Survey held at *Seraing and Hoboken* Date, First Survey 12-7-38 Last Survey 11-7-1939  
 Reg. Book. Number of Visits 39

on the <sup>Single</sup> ~~Twin~~ <sup>Triple</sup> ~~Quadruple~~ Screw vessel *M. S. "Baudouinville"* Tons <sup>Gross</sup> ~~Net~~  
 Built at *Hoboken* By whom built *Chantier Naval J. Lockenill S.A.* Yard No. 675 When built 1939-7  
 Owners *Maritime Belge (Lloyd Royal) Soc. An.* Port belonging to *Antwerp*  
 Oil Engines made at *Seraing* By whom made *St. A. J. Lockenill* Contract No. 6172/5 When made 1939  
 Generators made at *Charleroi* By whom made *Atel. de Construct. Elect. de Charleroi* Contract No. When made 1939  
 No. of Sets 4 Engine Brake Horse Power 600 (each) Nom. Horse Power as per Rule 12644 Total Capacity of Generators 1600 Kilowatts.

OIL ENGINES, &c.—Type of Engines *Surmeister & Wain 6280 H. 2 or 4 stroke cycle 2 Single or double acting single*  
 Maximum pressure in cylinders 49 Kg/cm<sup>2</sup> Diameter of cylinders 280 mm Length of stroke 500 mm No. of cylinders 6 No. of cranks 6  
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 358 mm Is there a bearing between each crank *yes*  
 Revolutions per minute 300 Flywheel dia. 1440 mm Weight 1460 Kg Means of ignition *Solid type* Kind of fuel used *fuel oil*  
 Crank Shaft, dia. of journals as per Rule 174.5 mm as fitted 200 mm Crank pin dia. 200 mm Crank Webs Mid. length breadth 325 mm Thickness parallel to axis 120 mm  
 Flywheel Shaft, diameter as per Rule 174.5 mm as fitted 200 mm Intermediate Shafts, diameter as per Rule as fitted 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 and silencers water cooled or lagged with non-conducting material *lagged*  
 Cooling Water Pumps, No. *2 detached fresh water pumps* Is the sea suction provided with an efficient strainer which can be cleared within the vessel *yes*  
 Lubricating Oil Pumps, No. and size *one to each motor 3"*

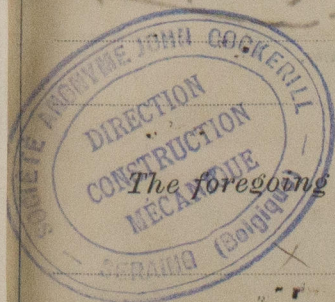
Air Compressors, No. *1* No. of stages *1* Diameters *369 mm* Stroke *Rotary* Driven by *gear wheels*  
 Scavenging Air Pumps, No. *one for engine* Diameter *369 mm* Stroke *Rotary* Driven by *gear wheels*  
 AIR RECEIVERS:—Have they been made under Survey *yes* State No. of Report or Certificate *N.R. 841-2-3-4*

Is each receiver, which can be isolated, fitted with a safety valve as per Rule *yes*  
 Can the internal surfaces of the receivers be examined *yes* What means are provided for cleaning their inner surfaces *removing valve box*  
 Is there a drain arrangement fitted at the lowest part of each receiver *yes*  
 High Pressure Air Receivers, No. *1* Cubic capacity of each *3 m<sup>3</sup>* Internal diameter *600 mm* thickness *18 mm*  
 Seamless, lap welded or riveted longitudinal joint *Material 2 m. steel Range of tensile strength 55 kg/cm<sup>2</sup> Working pressure by Rules 25 kg/cm<sup>2</sup>*  
 Starting Air Receivers, No. *four* Total cubic capacity *3 m<sup>3</sup>* Internal diameter *600 mm* thickness *18 mm*  
 Seamless, lap welded or riveted longitudinal joint *welded Material 2 m. steel Range of tensile strength 55 kg/cm<sup>2</sup> Working pressure by Rules 25 kg/cm<sup>2</sup>*

ELECTRIC GENERATORS:—Type *Compound wound*  
 Pressure of supply *220/240 volts* Full Load Current *1440* Amperes Direct or Alternating Current *Direct*  
 If 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* *yes*  
 Generators, are they compounded as per rule *yes* is an adjustable regulating resistance fitted in series with each shunt field *yes*  
 Are all terminals accessible, clearly marked, and furnished with sockets *yes*  
 Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched *yes* Are the lubricating arrangements of the generators as per Rule *yes*  
 If the generators are under 100 kw. full load rating, have the Makers, supplied certificates of test above 100 kw and do the results comply with the requirements  
 If the generators are 100 kw. or over have they been built and tested under survey *yes*

PLANS. Are approved plans forwarded herewith for Shafting *yes* Receivers *yes* Separate Tanks *yes*

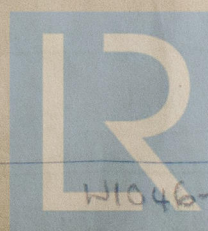
SPARE GEAR

*See separate lists.*

The foregoing is a correct description.

DIRECTEUR DE LA CONSTRUCTION

Manufacturer.



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