

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 22856

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 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. Cockerill 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. Cockerill 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 12684 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 fuel Kind of fuel used fuel oil  
 Crank Shaft, dia. of journals <sup>as per Rule</sup> 174.5 mm <sup>as fitted</sup> 200 mm Crank pin dia. 200 mm Crank Webs <sup>Mid. length breadth</sup> 325 mm <sup>Thickness parallel to axis</sup> 120 mm  
 Flywheel Shaft, diameter <sup>as per Rule</sup> 174.5 mm <sup>as fitted</sup> 200 mm Intermediate Shafts, diameter <sup>as per Rule</sup>          <sup>as fitted</sup>          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 <sup>Is the sea suction provided with an efficient strainer which can be cleared within the vessel</sup> yes  
 Lubricating Oil Pumps, No. and size one to each motor 3"

**AIR COMPRESSORS, &c.**  
 Air Compressors, No.          No. of stages          Diameters          Stroke          Driven by           
 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.**          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.** 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 L.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 220/220 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          Separate Tanks           
 (If not, state date of approval)

**SPARE GEAR**  
See separate lists.



The foregoing is a correct description.

Seraing Manufacturer.  
 DIRECTEUR DE LA CONSTRUCTION



