

7-5-39 rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 12856
25 1939

Date of writing Report 8th July 1939. When handed in at Local Office 24.7.1939 Port of Antwerp.
No. in Survey held at Ghent and Antwerp. 25-2-38 Date, First Survey 15th July 1938 Last Survey 19
Reg. Book. 497303

Single on the Twin Screw vessel M.V. BAUDOINVILLE
Triple
Quadruple
Built at Hoboken By whom built Soc. Anon. John Cockrill Yard No. 675 When built 1939.
Owners Cie. Maritime Belge (Royaume Royal) S.A. Port belonging to Antwerp.
Engines made at Ghent By whom made Anglo-Belgium Cy. S.A. ENGINE Contract Nos 4582/3 When made 1939
Generators made at Charleroi By whom made A.C.E.C. GENERATOR Contract Nos 26686/7 When made 1939
No. of Sets 2 Engine Brake Horse Power 160 Nom. Horse Power as per Rule 45.7 Total Capacity of Generators 100 Kilowatts.
(2080)

Tons { Gross 13517
Net 10382.

OIL ENGINES, &c.—Type of Engines ABC. Panaman Ricardo 6 RQ. 2 or 4 stroke cycle 4 Single or double acting Single
Maximum pressure in cylinders 52 Kg/cm² Diameter of cylinders 117.48 cm Length of stroke 149.67 cm No. of cylinders 6 (each) No. of cranks 6 (each)
Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 130.37 cm Is there a bearing between each crank Yes
Revolutions per minute 1200 Flywheel dia. 610 cm Weight 140 Kg. Means of ignition Compression Kind of fuel used Heavy oil
Crank Shaft, dia. of journals as per Rule 65.17 cm as fitted 79.37 cm Crank pin dia. 73 cm Crank Webs Mid. length breadth 96 cm Thickness parallel to axis
Flywheel Shaft, diameter as per Rule as fitted Crank Shaft Intermediate Shafts, diameter as per Rule as fitted Thickness around eyehole
Is a governor or other arrangement fitted to prevent racing of the engine when detached? Yes Means of lubrication Forced
Are the cylinders fitted with safety valves? No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material? Lagged
Cooling Water Pumps, No. 1 centrifugal (each eng) Is the sea suction provided with an efficient strainer which can be cleared within the vessel?
Lubricating Oil Pumps, No. and size 1 gear type each engine each of
Air Compressors, No. No. of stages Diameters Stroke Driven by
Scavenging Air Pumps, No. Diameter Stroke Driven by

AIR RECEIVERS:—Have they been made under Survey? Yes State No. of Report or Certificate
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?
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. Two Total cubic capacity 70 litres (35 each) Internal diameter 184 cm thickness 8 cm
Seamless, lap welded or riveted longitudinal joint Seamless Material Steel Range of tensile strength 55/60 Kg/cm² Working pressure by Rules 93 Kg/cm²
Actual 30 Kg/cm²

ELECTRIC GENERATORS:—Type C.B.V.M. 71
Pressure of supply 230 volts. Full Load Current (20217) = 434 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 and do the results comply with the requirements?
If the generators are 100 kw. or over have they been built and tested under survey?

PLANS. Are approved plans forwarded herewith for Shafting (bank) 24.6.38 Receivers 24.6.38 Separate Tanks
(If not, state date of approval)

SPARE GEAR See list attached hereto.

The foregoing is a correct description.

ANGLO-BELGIAN Cy
L'Administration Belge
[Signature]

Manufacturer.



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Lloyd's Register
Foundation

Dates of Survey while building
 During progress of work in shops - 1938 July 15, Aug 22, Sept 7, Oct 19, Nov 15, 30, Dec 15.
 During erection on board vessel - 1939
 Total No. of visits

Dates of Examination of principal parts - Cylinders 2.8.38 19.10.38 Covers 2.8.38 Pistons 15.11.38 Piston rods

Connecting rods 2.8.38 Crank and Flywheel shafts 15.11.38 Intermediate shafts

Crank and Flywheel shafts, Material 1/2 Steel 63/78 1/4 x 22% elongation Identification Marks LLOYD 2027 GAL 15.11.38

Intermediate shafts, Material Identification Marks

Identification marks on Air Receivers Lloyd Test 60kg. F.L.R. 9.3.39

Is this machinery duplicate of a previous case No. If so, state name of vessel

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

These two six cylinder auxiliary oil engines have been built under special survey and are in accordance with the approved plans and the Rules. Full power and overload tests were witnessed after which all working parts were opened up, examined & found good. They have been direct coupled, each to a 50 K.W. electric generator, fitted onboard, on upper deck in engine room, and tested as required by the Rules. They are to serve as emergency and port lighting sets.

The Surveyors are requested not to write on or below the space for Committee Minute.

The amount of Fee ... £ 2,100 :
 Travelling Expenses (if any) £ 714 :
 When applied for, 24.7.39
 When received, 19.8.39

Geo. A. Paine and J. L. Rabrey
 Surveyors to Lloyd's Register of Shipping.

Committee's Minute TUE 1 AUG 1939
 Assigned see FE. machine rpl.

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