

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 12856

25 1939

Date of writing Report 8th July 1939 When handed in at Local Office 24.7.39 Port of Antwerp
 No. in Survey held at Ghent and Antwerp Date, First Survey 15 July 1938 Last Survey 19
 Reg. Book. Sept. Number of Visits 28.2.39
87303 on the Single Screw vessel M.V. BAUDOUINVILLE Tons { Gross 13517 Net 10382.
 Built at Hoboken By whom built Ass. Amm. John Beckwith 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.
 (2280)

OIL ENGINES, &c.—Type of Engines ABC. Panman 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 mm Length of stroke 149.67 mm 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 mm Is there a bearing between each crank Yes
 Revolutions per minute 1200 Flywheel dia. 610 mm Weight 140 kg. Means of ignition Compression Kind of fuel used Heavy oil
 Crank Shaft, dia. of journals as per Rule 65.17 mm as fitted 79.37 mm Crank pin dia. 73 mm Crank Webs Mid. length breadth 96 mm Thickness parallel to axis shrink
 Flywheel Shaft, diameter as per Rule as fitted Intermediate Shafts, diameter as per Rule as fitted Thickness around eye-hole shrink
 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 Yes
 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 mm thickness 8 mm
 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 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 (hank) 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 Delégée

Manufacturer.



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Dates of Survey while building
 During progress of work in shops - 1938 July 15 Aug 2.26 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 63/75 14 7/8 x 22% elongation Identification Marks LLOYDS 2027 GAL 15.11.38

Intermediate shafts, Material Identification Marks

Identification marks on Air Receivers Lloyd's Test 60 kg. 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 amount of Fee ... 2,100 :
 Travelling Expenses (if any) 714 :
 When applied for, 24.4.19
 When received, 19.

Committee's Minute THE 1 AUG 1939

Assigned ke FE. machine rpl.

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



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