

REPORT ON ENGINE ELECTRIC GENERATOR SETS

No. 9282

SEP-21-1938

Date of writing Report 26-6-38 When handed in at Local Office 30-6-38 Port of MANCHESTER
 No. in Survey held at BURY Date, First Survey 15. MAY 1937 Last Survey 22-6-1938
 Reg. Book. Number of Visits 6

Single
Twin
Triple
Quadruple

Screw vessel

MANCHESTER PROGRESS

Tons { Gross 5620
Net 3343

Built at _____ By whom built MESSRS BLYTHSNOOD LTD. Yard No. 51 When built 1938
 Owners MANCHESTER LINERS LTD. Port belonging to MANCHESTER
 Engines made at BURY By whom made ASHWORTH & PARKER LTD. Contract No. 1264 When made 1938
 Generators made at SUNDERLAND By whom made SUNDERLAND FORGE & ENG. CO. Contract No. F5100A & B When made 1938
 No. of Sets 1 Engine Brake Horse Power — Nom. Horse Power as per Rule 4½ Total Capacity of Generators 60 Kilowatts.

OIL ENGINES, &c.—Type of Engines COMPOUND 2 or 4 stroke cycle — Single or double acting —
 Maximum pressure in cylinders N.P. 225 LBS. Diameter of cylinders 7" & 10" Length of stroke 5" No. of cylinders 2 No. of cranks 2
 Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 6" Is there a bearing between each crank YES
 Revolutions per minute 500 Flywheel dia. — Weight — Means of ignition — Kind of fuel used —
 Crank Shaft, dia. of journals as per Rule APPROVED Crank pin dia. 3" Crank Webs Mid. length breadth 4" Thickness parallel to axis SOLID
 as fitted 3" Mid. length thickness 1 7/8" Thickness around eyehole —
 Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners —
 as fitted — as fitted — Is a governor or other arrangement fitted to prevent racing of the engine when decoupled YES Means of lubrication FORCED
 Are the cylinders fitted with safety valves — Are the exhaust pipes and silencers water cooled or lagged with non-conducting material —
 Cooling Water Pumps, No. — Is the sea suction provided with an efficient strainer which can be cleared within the vessel —
 Lubricating Oil Pumps, No. and size —
 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

State No. of Report or Certificate

Is each receiver, which can be isolated, fitted with a safety valve as per Rule

Can the internal surfaces of the receivers be examined

What means are provided for cleaning their inner surfaces

Is there a drain arrangement fitted at the lowest part of each receiver

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. —

Total cubic capacity

Internal diameter

thickness

Seamless, lap welded or riveted longitudinal joint

Material

Range of tensile strength

Working pressure by Rules

ELECTRIC GENERATORS:—Type

Pressure of supply 110 volts. Full Load Current 272 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 — Are all terminals accessible, clearly marked, and furnished with sockets —

Are 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 YES

If the generators are under 100 kw. full load rating, have the Makers supplied certificates of test YES and do the results comply with the requirements YES

If the generators are 100 kw. or over have they been built and tested under survey —

PLANS. Are approved plans forwarded herewith for Shafting YES Receivers — Separate Tanks —

(If not, state date of approval)

SPARE GEAR

B.S.B.

2-7-38

The foregoing is a correct description,

FOR AND ON BEHALF OF
ASHWORTH & PARKER LTD.

H.O.L. Charlton

Manufacturer.



© 2021

Lloyd's Register
Foundation

005024-005037.0262

Dates of Survey while building { During progress of work in shops - - }
{ During erection on board vessel - - - }
Total No. of visits

1937 May 15, 27. Dec 31. 1938 Feb 9. May 16. June 22

6

Dates of Examination of principal parts—Cylinders 16-5-38 Covers 16-5-38 Pistons 16-5-38 Piston rods 16-5-38

Connecting rods 16-5-38 Crank and Flywheel shafts 16-5-38 Intermediate shafts —

Crank and Flywheel shafts, Material STEEL. Identification Marks LLOYDS 615. L.W.L. 16-5-38

Intermediate shafts, Material — Identification Marks —

Identification marks on Air Receivers

Is this machinery duplicate of a previous case ☒ If so, state name of vessel MCH RPT 8413/3

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

THESE ENGINES HAVE BEEN CONSTRUCTED UNDER SPECIAL SURVEY OF TESTED MATERIALS AND ARE IN ACCORDANCE WITH THE SECRETARY'S LETTERS, APPROVED PLANS AND RULE REQUIREMENTS. THE MATERIALS AND WORKMANSHIP ARE OF A GOOD QUALITY AND THE SETS WHEN TESTED IN SHOP UNDER FULL LOAD CONDITIONS SHOWN SATISFACTORY RESULTS.

IN MY OPINION THESE ENGINES ARE SUITABLE TO BE PLACED ON BOARD A VESSEL, CLASSED WITH THIS SOCIETY, FOR THE PURPOSE INTENDED. CERTIFICATES FOR GENERATORS ATTACHED.

The amount of Fee ... £

77:0

When applied for,

30-6-1938 M

Travelling Expenses (if any) £

13:0

When received,

17-8-1938

(per L. W. L.)

Committee's Minute

GLASGOW

20 SEP 1938

Assigned

SEE ACCOMPANYING MACHINERY REPORT

Surveyor to Lloyd's Register of Shipping.



© 2021

Lloyd's Register
Foundation