

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 16335

Received at London Office 23 JUL 1936

Date of writing Report 21 July 1936. When handed in at Local Office 21 July 1936 Port of Southampton
No. in Survey held at Southampton Date, First Survey 4 Last Survey 3rd July 1936
Reg. Book. Number of Visits

on the ^{Single} ~~Twin~~ ~~Triple~~ ~~Quadruple~~ Screw vessel M. V. 'Queen Adelaide' Tons { Gross 4932 Net 2999

Built at Glasgow By whom built Barclay Curle & Co. Ltd. Yard No. 658 When built

Owners J. Dunlop & Sons Port belonging to Glasgow

Oil Engines made at Southampton By whom made The Parsons Oil Engine Co. Ltd. Contract No. 2040 When made 1936

Generators made at Southampton By whom made The Electric Construction Co. Ltd. Contract No. When made 1936

No. of Sets One Engine Brake Horse Power Nom. Horse Power as per Rule Total Capacity of Generators 8 Kilowatts.

OIL ENGINES, &c.—Type of Engines AHS Parsons Stationary Engine. 2 or 4 stroke cycle 4 Single or double acting Simple

Maximum pressure in cylinders 250 lb. Diameter of cylinders 24 1/4" Length of stroke 4" No. of cylinders Four No. of cranks Four

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 6.8125" Is there a bearing between each crank 3 bearings

Revolutions per minute 1600. Flywheel dia. 1.041' Weight 0.0169 tons Means of ignition Magnets Kind of fuel used Petrol / Paraffin

Crank Shaft, dia. of journals as per Rule 1.293 as fitted 1.5" Crank pin dia. 1.5" Crank Webs Mid. length breadth 2.25" Thickness parallel to axis shrunk Mid. length thickness .75" Thickness around eyehole

Flywheel Shaft, diameter as per Rule mounted on crank shaft as fitted 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 de-clutched No Means of lubrication Pump & troughs

Are the cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material

Cooling Water Pumps, No. Cooling by Paraffin. 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:—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 none 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. Load 43 Amperes. Direct or Alternating Current Direct

If alternating current system, state frequency of periods per second

Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off No

Generators, do they comply with the requirements regarding rating Yes are they compound wound Yes

are they over compounded 5 per cent. No, if not compound wound state distance between each generator

is an adjustable regulating resistance fitted in series with each shunt field No Are all terminals accessible, clearly marked, and furnished with sockets No

are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched No Are the lubricating arrangements of the generators as per Rule Yes

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

SPARE GEAR

The foregoing is a correct description,

FOR AND ON BEHALF OF THE PARSONS OIL ENGINE COMPANY LTD.

Manufacturer.

A. L. Ballan SECRETARY.



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Lloyd's Register Foundation

013651-013655-0327

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

Dates of Examination of principal parts—Cylinders _____ Covers _____ Pistons _____ Piston rods _____

Connecting rods _____ Crank and Flywheel shaft _____ Intermediate shaft _____

Crank and Flywheel shafts, Material _____ Identification Mark _____

Intermediate shafts, Material _____ Identification Marks _____

Is this machinery duplicate of a previous case _____ If so, state name of vessel _____

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

This Engine & Generator were examined in a six hour trial and proved satisfactory

1m. 6.31—Transfer. (The Surveyors are requested not to write on or below the space for Committee Minutes.)

The amount of Fee ... £ 3-3-0 : When applied for, 22nd July 1936
 Travelling Expenses (if any) £ : When received, 19/9/36 paid

Wm. Craig
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 6 - OCT 1936
 Assigned SEE ACCOMPANYING MACHINERY REPORT.

