

Rpt. 4c. **REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.** No. 16335

Date of writing Report 21st July 1936 When handed in at Local Office 24th July 1936 Port of Southampton Received at London Office 23 JUL 1936
No. in Survey held at Southampton Date, First Survey 4 Last Survey 3rd July 1936
Reg. Book. Single on the 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 Single
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 Yes
Revolutions per minute 1600 Flywheel dia. 1.041' Weight 0.169 tons Means of ignition Magneto Kind of fuel used Petrol / Paraffin
Crank Shaft, dia. of journals as per Rule 1.293 Crank pin dia. 1.5" Crank Webs Mid. length breadth 2.25" Thickness parallel to axis shrunk
as fitted 1.5" Mid. length thickness .75" Thickness around eyehole
Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners
as fitted Thru bolt on crank shaft as fitted
Is a governor or other arrangement fitted to prevent racing of the engine when de-clutched Yes 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 Yes
Cooling Water Pumps, No. One 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 73 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 Yes
Generators, do they comply with the requirements regarding rating Yes are they compound wound Yes
are they over compounded 5 per cent. Yes, if not compound wound state distance between each generator
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

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

SPARE GEAR

The foregoing is a correct description,

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

Manufacturer.

A. L. Ballam
SECRETARY.



© 2021

Lloyd's Register
Foundation

013651-013655-0327

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

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 on a six hour trial and proved satisfactory.

The amount of Fee

£ 3-3-0

22nd July 1936

Travelling Expenses (if any) £

1913

19/9/36
19

Wm. A. King
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 6 - OCT 1936

Assigned **SEE ACCOMPANYING MACHINERY REPORT.**



Lloyd's Register
Foundation