

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 48840

Date of writing Report 28th Jan 1929 When handed in at Local Office 1. 2. 1929 Port of Glasgow
No. in Survey held at Glasgow Date, First Survey 13. 12. 27 Last Survey 27. 1. 1929
Reg. Book. Number of Visits 121
Single on the Twin Triple Quadruple Screw vessel 'STAFFORDSHIRE'
Built at Glasgow By whom built The Fairfield S.E.C. Ltd. No. 630 When built 1929.1
Owners Billy S.S.C. Ltd. Port belonging to Liverpool
Oil Engines made at Bedford By whom made W.H. Allen & Co. Contract No. 98501 When made 1928
Generators made at Bedford By whom made W.H. Allen & Co. Contract No. 98504 When made 1928
No. of Sets 3 Engine Brake Horse Power 900 Nom. Horse Power as per Rule 257 Total Capacity of Generators 630 Kilowatts.

OIL ENGINES, &c.—Type of Engines

2 or 4 stroke cycle Single or double acting

Maximum pressure in cylinders Diameter of cylinders Length of stroke No. of cylinders No. of cranks

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

Revolutions per minute Flywheel dia. Weight Means of ignition Kind of fuel used

Crank Shaft, dia. of journals as per Rule Crank pin dia. Crank Webs Mid. length breadth Thickness parallel to axis

as fitted Crank Webs Mid. length thickness shrunk Thickness around eyehole

Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners

Is a governor or other arrangement fitted to prevent racing of the engine when declutched Means of lubrication

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:—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 volts. Load Amperes Direct or Alternating Current

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

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

are they over compounded 5 per cent. , if not compound wound state distance between each generator

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

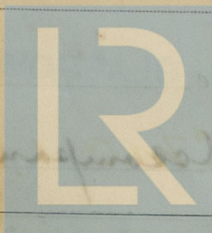
PLANS. Are approved plans forwarded herewith for Shafting (If not, state date of approval)

Receivers Separate Tanks

SPARE GEAR

The foregoing is a correct description.

Manufacturer.



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003444-003449-0073

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

See Accompanying Machy. Report

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

Connecting rods Crank and Flywheel shaft Intermediate shaft

Crank and Flywheel shaft, 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.)

These Generators have now been fitted on board the above Vessel.

A. G.
1/2/29.

22
1/2/29

The amount of Fee ... £

When applied for,

19

Travelling Expenses (if any) £

When received,

19

W. Lane J. McDonald.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

GLASGOW 5 - FEB 1929

Assigned See Accompanying Machy Report



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