

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 103120A

Date of writing Report 20-6-36 When handed in at Local Office 24 JUN 1936 Port of Ipswich Received at London Office 24 JUN 1936 5 AUG 1936

No. in Survey held at Colchester Date, First Survey 31-3-36 Last Survey 11-6-1936 Reg. Book.

Single on the Twin Triple Quadruple Screw vessel ✓ JOLLY GIRLS Tons { Gross Net ✓

Built at Middlesbrough By whom built Smith's Dock Co. Ltd. Yard No. 995. When built 1936. Owners ✓ Port belonging to

Oil Engines made at Colchester By whom made Dewy Paxman & Co. (Colchester) Ltd. Contract No. 726. When made 1936.

Generators made at Norwich By whom made Lamm & Scott & Co. Ltd. Contract No. 114 027 When made 1936.

No. of Sets one Engine Brake Horse Power 20 Nom. Horse Power as per Rule 6 Total Capacity of Generators 10 Kilowatts.

OIL ENGINES, &c. Type of Engines Heavy Oil 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders 700 lb. Diameter of cylinders 4 5/8" Length of stroke 5 7/8" No. of cylinders 2 No. of cranks 2

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 12 5/8" Is there a bearing between each crank no

Revolutions per minute 1000 Flywheel dia. 28" Weight 500 lb. Means of ignition Compression Kind of fuel used Diesel

Crank Shaft, dia. of journals as per Rule 3 1/8" app. Crank pin dia. 2 7/8" Crank Webs Mid. length breadth 4 1/2" Thickness parallel to axis ✓

as fitted 3 1/8" Mid. length thickness 1 1/2" shrunk Thickness around eyehole ✓

Flywheel Shaft, diameter as per Rule 3 1/8" Intermediate Shafts, diameter as per Rule ✓ Thickness of cylinder liners 1/8"

Is a governor or other arrangement fitted to prevent racing of the engine when declutched In 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. One Is the sea suction provided with an efficient strainer which can be cleared within the vessel ✓

Lubricating Oil Pumps, No. and size One found 3/8" suction & delivery.

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 Enclosed ventilated ✓

Pressure of supply 110 volts. Load 91 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 In

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 24-3-36. Receivers ✓ Separate Tanks ✓

SPARE GEAR

The foregoing is a correct description,

for and on behalf of

DAVEY, PAXMAN & CO. (Colchester) Limited

Manufacturers.

DIRECTOR



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Lloyd's Register
Foundation

W987-0297

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

31-3-36. 11-5-36. 18-5-36. 3-6-36. 11-6-36.

Five

Dates of Examination of principal parts—Cylinders 11-5-36 Covers 11-5-36 Pistons 18-5-36 Piston rods —

Connecting rods 18-5-36 Crank and Flywheel shaft 18-5-36 Intermediate shaft —

Crank and Flywheel shafts, Material

Steel

Identification Mark

LLOYDS NO 6535. 20-4-36. MAB

Intermediate shafts, Material

Identification Marks

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.) The materials & workmanship are sound.

The engine has been constructed under Special Survey in accordance with the approved plans & Rule requirements and tested under full load conditions with satisfactory results. The governor has been tested & found efficient. The engine has been dispatched to Wicklesborough where it is to be fitted on board a Classed vessel.

This engine securely fitted aboard and tested under working conditions with satisfactory results.

P. J. McA.

Indb. 1.8.36

The amount of Fee ... £ 5 : 5

When applied for,

29 JUN 1936

Travelling Expenses (if any) £ : 8

When received,

28-7-1936

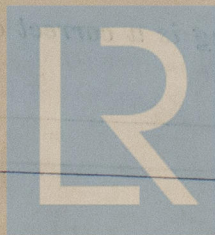
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 1 SEP 1936

Assigned

See Indb 36 B 767



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