

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 103129  
5 AUG 1936

Received at London Office 24 JUN 1936

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

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

on the Single 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

Oil Engines made at Colchester By whom made Dewey Pymon & Co. (Colchester) Ltd. Contract No. 727. When made 1936  
Generators made at Norwich By whom made Laurence Scott & Electromotors Ltd. Contract No. 71147 When made 1936

No. of Sets one Engine Brake Horse Power 40 Nom. Horse Power as per Rule 11 Total Capacity of Generators 26 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 4 No. of cranks 4

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 5 1/8" 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. as fitted 3 1/8" Crank pin dia. 2 7/8" Crank Webs Mid. length breadth 4 1/2" Thickness parallel to axis shrunk Mid. length thickness 1 1/4" Thickness around eyehole

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

Is a governor or other arrangement fitted to prevent racing of the engine when declutched No 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 Lapped

**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 geared 5/8" 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 236 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 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 24-5-36. Receivers. Separate Tanks

**SPARE GEAR**

The foregoing is a correct description,  
**DAVEY, PAXMAN & CO. (Colchester) Limited**  
 Manufacturer.  
 DIRECTOR



Dates of Survey while building: During progress of work in shops - 31-3-36, 4-5-36, 3-6-36, 11-6-36.  
 During erection on board vessel -  
 Total No. of visits - Four

Dates of Examination of principal parts—Cylinders 4-5-36 Covers 31-3-36 Pistons 4-5-36 Piston rods -  
 Connecting rods 4-5-36 Crank and Flywheel shaft 4-5-36 Intermediate shaft -  
 Crank and Flywheel shafts, Material Steel Identification Mark 440703. N°375. 6-4-36. M.A.B.  
 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 engine has been constructed under Special Survey in accordance with the approved plans & Rub. Requirements and tested under full load conditions with satisfactory results. The materials & workmanship are sound & of good description. The governor has been tested & found efficient. The engine has been dispatched to Middlebrough where it is to be fitted on board a Classed vessel.

This engine has been securely fitted aboard & tested under working conditions with satisfactory results.

M. McA  
 1.8.36

The amount of Fee ... £ 5 : 5 0  
 Travelling Expenses (if any) £ : 11 0

When applied for, 29 JUN 1936  
 When received, 28.7.1936

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

TUE. 1 SEP 1936

Assigned

See J.E. No. 15767



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Lloyd's Register Foundation

Rpt. 4c.

Date of writing

No. in Reg. Book.

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Owners

Oil Engine

Generators

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