

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS

No. 8760

26 NOV 1936

Date of writing Report 20. Nov. 1936. When handed in at Local Office 25 Nov 36. Port of MANCHESTER. Received at London Office

No. in Survey held at BURY. Date, First Survey JULY 28. 1936. Last Survey NOV. 16 1936. Number of Visits 3.

on the Single Screw vessel Floating Crane Manchester. Tons Gross Net

Built at SCHIEDAM By whom built MESSRS. NERF GUSTO Yard No. 716 When built

Owners THE MANCHESTER SHIP CANAL CO. Port belonging to MANCHESTER.

Engines made at BURY By whom made ASHWORTH & PARKER. LD. ENGINE Contract No. 1247 When made 1936

Generators made at IPSWICH By whom made REAVELL & CO LD. COMPRESSOR Contract No. When made

No. of Sets ONE Engine Brake Horse Power 25. Nom. Horse Power as per Rule Total Capacity of Generators Kilowatts.

OIL ENGINES, &c.—Type of Engines SINGLE CYLINDER. 2 or 4 stroke cycle Single or double acting DOUBLE.

Maximum pressure in cylinders W.P. 120 LBS. Diameter of cylinders 7" Length of stroke 5" No. of cylinders ONE No. of cranks ONE

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 12" Is there a bearing between each crank

Revolutions per minute 720. Flywheel dia. 24" Weight 220 LBS. Means of ignition Kind of fuel used

Crank Shaft, dia. of journals as per Rule APPROVED 3" Crank pin dia. 3" Crank Webs Mid. length breadth 3 3/4" Thickness parallel to axis SOLID.

Flywheel Shaft, diameter as fitted Intermediate Shafts, diameter as fitted Thickness of cylinder liners

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

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. ONE No. of stages Diameters Stroke Driven by ENGINE, 1247.

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 YES Receivers Separate Tanks

SPARE GEAR

The foregoing is a correct description,

FOR AND ON BEHALF OF ASHWORTH & PARKER LTD.,

Manufacturer.

John Charlton DIRECTOR.



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Lloyd's Register Foundation

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Dates of Survey while building
 During progress of work in shops - - 1936. July 28. SEPT 14. Nov 16.
 During erection on board vessel - - -
 Total No. of visits 3.

Dates of Examination of principal parts—Cylinders 14.9.36 Covers 14-9-36 Pistons 16-11-36 Piston rods 16-11-36
 Connecting rods 16-11-36 Crank and Flywheel shaft 16-11-36 Intermediate shaft —

Crank and Flywheel shafts, Material STEEL. Identification Mark LLOYDS. 609. J.N.K. 16.11.36.
 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 HAS BEEN BUILT UNDER SPECIAL SURVEY OF TESTED MATERIALS AND IS IN ACCORDANCE WITH THE SECRETARY'S LETTERS, APPROVED PLANS AND RULE REQUIREMENTS. THE MATERIALS AND WORKMANSHIP ARE GOOD. THE ENGINE HAS BEEN DISPATCHED TO IPSWICH FOR FULL LOAD RUNNING TESTS.

Im 6.31—Transfer. (The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Fee ... £ INCLUSIVE FEE :
 Travelling Expenses (if any) £ WILL BE CHARGED LATER. :
 When applied for, 19...
 When received, 19...

J. Meinte
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI 6 AUG 1937
 Assigned See Rat 25839