

STEAM

4c.

REPORT ON ENGINE ELECTRIC GENERATOR SETS

No. 8788

Received at London Office 22 DEC 1936

of writing Report 17 Dec 36 When handed in at Local Office 21 Dec 36 Port of MANCHESTER

Survey held at Bury Date, First Survey SEPT. 14, 1936 Last Survey DEC. 15, 1936 Number of Visits 4

on the Single Screw vessel Tons Gross Net

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

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

Engines made at Bury By whom made ASHWORTH & PARKER 10 ENGINE No. 1245 When made 1936

Generators made at HORNICH. By whom made LAURANCE SCOTT & ELECTROMOTORS GENERATORS No. 71962 71963 When made 1936

of Sets ONE Engine Brake Horse Power 188. Nom. Horse Power as per Rule 11.5 Total Capacity of Generators 116 Kilowatts.

ENGINES, &c. Type of Engines VERTICAL COMPOUND DIRECT ACTING or 4 stroke cycle Single or double acting DOUBLE.

imum pressure in cylinders N.P. 120 lbs. Diameter of cylinders 13" & 20" Length of stroke 8" No. of cylinders 2 No. of cranks 2

n of bearings, adjacent to the Crank, measured from inner edge to inner edge 17 9/16" Is there a bearing between each crank YES.

olutions per minute 500. Flywheel dia. 4'-0" Weight 1960 lbs. Means of ignition Kind of fuel used

ank Shaft, dia. of journals as per Rule APPROVED 4 1/2" Crank pin dia. 4 1/2" Mid. length breadth 5 3/4" Thickness parallel to axis SOLID

as fitted 4 1/2" Crank Webs Mid. length thickness 3" Thickness around eyehole

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

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

the cylinders fitted with safety valves Are the exhaust pipes and silencers water cooled or lagged with non-conducting material

oling Water Pumps, No. Is the sea suction provided with an efficient strainer which can be cleared within the vessel

bricating Oil Pumps, No. and size

Compressors, No. No. of stages Diameters Stroke Driven by

evenging Air Pumps, No. Diameter Stroke Driven by

RECEIVERS: Is each receiver, which can be isolated, fitted with a safety valve as per Rule

n the internal surfaces of the receivers be examined What means are provided for cleaning their inner surfaces

there a drain arrangement fitted at the lowest part of each receiver

gh Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness

unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

arting Air Receivers, No. Total cubic capacity Internal diameter thickness

unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

ELECTRIC GENERATORS: Type

ressure of supply 225 volts. Load Amperes. Direct or Alternating Current DIRECT.

alternating current system, state frequency of periods per second

as the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on or off YES.

enerators, do they comply with the requirements regarding rating YES are they compound wound YES.

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

an adjustable regulating resistance fitted in series with each shunt field Are all terminals accessible, clearly marked, and furnished with sockets

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

ANS. Are approved plans forwarded herewith for Shafting YES Receivers Separate Tanks

ARE GEAR

The foregoing is a correct description.

FOR AND ON BEHALF OF ASHWORTH & PARKER LTD.,

Manufacturer.

John Chorlton DIRECTOR.



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Lloyd's Register Foundation

008145-0182

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

SEPT 14. NOV 16 DEC 14, 15, 1936

H.

Dates of Examination of principal parts—Cylinders 16-11-36 Covers 16-11-36 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 611. M.A.B. 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 CONSTRUCTED UNDER SPECIAL SURVEY OF TESTED MATERIALS AND IS IN ACCORDANCE WITH THE SECRETARY'S LETTERS, APPROVED PLANS AND RULE REQUIREMENTS.

THE WORKMANSHIP AND MATERIALS ARE GOOD AND THE SET WHEN RUN IN SHOP UNDER FULL LOAD CONDITIONS SHEWED SATISFACTORY RESULTS.

IN MY OPINION THE ENGINE IS SUITABLE TO BE PLACED ON BOARD A VESSEL, CLASSED WITH THIS SOCIETY, FOR THE PURPOSE INTENDED.

1m.9.28—Transfer.
 (The Surveyors are requested not to write on or below the space for Committee Minutes.)

The amount of Fee	£ 21 : 0 : 0	When applied for,	21-12-1936	M
(includes £10.24 for London Travelling Expenses (if any) account)	£ 1 : 10 : 0	When received,	13-3-37	18/3

M. Meiceste
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI 6 AUG 1937
 Assigned Lu Rec 25839

