

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10703.

2 OCT 1941

Writing Report 18 SEPT. 1941. When handed in at Local Office 29 SEPT. 1941. Port of MANCHESTER. Received at London Office

Survey held at ALTRINCHAM. Date, First Survey 26. AUG. 1941. Last Survey 13 SEPT 1941. Number of Visits 5

on the Single Screw vessel JAUNTY. 2507. STEAM TUG. "JAUNTY". Tons Gross Net

By whom built COCHRANE & SONS. Yard No. When built

Engines made at ALTRINCHAM. By whom made RUSSELL NEWBERY & Co. LTD. ENGINES. Contract No. 3631. When made 1941

Engines made at - By whom made - Contract No. - When made -

Sets TWO. Engine Brake Horse Power 28. Nom. Horse Power as per Rule 8. Total Capacity of Generators - Kilowatts.

ENGINES, &c. Type of Engines VERTICAL SOLID INJECTION. 2 or 4 stroke cycle H. Single or double acting SINGLE

Maximum pressure in cylinders 900. LBS/SQ. IN. Diameter of cylinders 4.125" Length of stroke 6" No. of cylinders 2. EACH ENGINE No. of cranks 2. EACH ENGINE

of bearings, adjacent to the Crank, measured from inner edge to inner edge 4.75" Is there a bearing between each crank YES

Revolutions per minute 800. Flywheel dia. 22" Weight 220. LBS. Means of ignition COMPRESSION Kind of fuel used HEAVY OIL.

Crank Shaft, dia. of journals as per Rule APPROVED. 2.5" Crank pin dia. 2.375" Mid. length breadth 3.5" Kind of fuel used HEAVY OIL.

Wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 11/32"

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

the cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material -

Driving 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. GEAR TYPE.

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

Sucking Air Pumps, No. - Diameter - Stroke - Driven by -

RECEIVERS: Have they been made under Survey State No. of Report or Certificate

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

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

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

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

Material Range of tensile strength Working pressure by Rules

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

Material Range of tensile strength Working pressure by Rules

ELECTRIC GENERATORS: Type

Pressure of supply volts. Full Load Current Amperes. Direct or Alternating Current

Alternating current system, state the periodicity Has the Automatic Governor been tested and found as per rule when full load is suddenly thrown on and off

Generators, are they compounded as per rule is an adjustable regulating resistance fitted in series with each

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

the generators are under 100 kw. full load rating, have the Makers supplied certificates of test and do the results comply with the requirements

the generators are 100 kw. or over have they been built and tested under survey

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

ARE GEAR AS PER RULE REQUIREMENTS.

The foregoing is a correct description, per pro. RUSSELL, NEWBERY & Co. Ltd.

J. Russell

DIRECTOR

Manufacturer.



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J.L. 3/10/41

Dates of Survey while building { During progress of work in shops - - 1940 Aug 25, 29. SEPT 6, 9, 13.
 { During erection on board vessel - - -
 Total No. of visits 5.

Dates of Examination of principal parts—Cylinders 25.8.40. Covers 29.8.40. Pistons 29.8.40. Piston rods —
 Connecting rods 25.8.40. Crank and Flywheel shafts 25.8.40. Intermediate shafts —
 Crank and Flywheel shafts, Material O.H. INgot STEEL. Identification Marks LLOYDS. NTM. 492. 13.12.40. 581. 3.4.41.
 Intermediate shafts, Material — Identification Marks —
 Identification marks on Air Receivers —

Is this machinery duplicate of a previous case YES. If so, state name of vessel J. 2506. MCH RPT. 10668.

General Remarks (State quality of workmanship, opinions as to class, &c.)

THESE ENGINES HAVE BEEN CONSTRUCTED UNDER SPECIAL SURVEY OF TESTED MATERIALS AND ARE IN ACCORDANCE WITH THE SECRETARY'S LETTERS, APPROVED PLANS AND RULE REQUIREMENTS. THE MATERIALS AND WORKMANSHIP ARE OF A GOOD QUALITY AND THE ENGINES WHEN TESTED IN SHOP UNDER FULL LOAD CONDITIONS SHOWN SATISFACTORY RESULTS. IN MY OPINION THESE ENGINES ARE SUITABLE TO BE PLACED ON BOARD A VESSEL, CLASSED WITH THIS SOCIETY, FOR THE PURPOSE INTENDED.

These Engines have been coupled to centrifugal pumps which have been dispatched to an Admiralty base for use as portable salvage pumps with legs of the "Rescue" class.

D. J. [Signature]

Jan. 4, 1931.—Transit. (MADE AND PRINTED IN ENGLAND)

The amount of Fee ... £ 8 : 8 : 0 } When applied for, 29/9/41 M
 Travelling Expenses (if any) £ : 10 : 0 } When received, 19.....

M. Leicester
 Director to Lloyd's Register of Shipping.

FEB 6 1942

Committee's Minute

Assigned

See Insl JE. 51475



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