

## REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 10703.

18<sup>th</sup> SEPT. 1941. When handed in at Local Office 29<sup>th</sup> SEPT. 1941 Port of MANCHESTER.  
 Date, First Survey 26. AUG. 1941. Last Survey 13 SEPT 1941  
 Number of Visits 5  
 Single on the Twin Screw vessel  
 Triple  
 Quadruple  
 2507. STEAM TUG. "JAUNTY"  
 Tons { Gross  
 Net  
 By whom built COCHRANE & SONS. Yard No. When built  
 Port belonging to  
 Engines made at ALTRINCHAM. By whom made RUSSELL NEWBERY & CO. LTD. Contract No. 3631  
 3632. When made 1941  
 By whom made Contract No. When made  
 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.  
 as per Rule 1-APPROVED. Crank pin dia. 2.375" Mid. length breadth 3.5" Thickness parallel to axis SOLID.  
 as fitted 2.5" Crank Webs Mid. length thickness 1.5/16" Thickness around eye-hole 11/32"  
 Wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule Thickness of cylinder liners 11/32"  
 as fitted 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  
 Working 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  
 unless, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules  
 Working 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  
 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  
 Plans. Are approved plans forwarded herewith for Shafting YES Receivers Separate Tanks  
 (If not, state date of approval)  
 ARE GEAR AS PER RULE REQUIREMENTS.

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

Manufacturer.

DIRECTOR.



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Dates of Survey while building { During progress of work in shops - - 1910 Aug 25, 27. SEPT 6-9. 13.  
During erection on board vessel - - - 5.  
Total No. of visits 5.

Dates of Examination of principal parts—Cylinders 25.8.40. Covers 27.8.40. Pistons 27.8.40. 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? tags of the "Rescue" class.

*[Signature]*

Im. 433.—Transfer. (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.....

*[Signature: M. Leicester]*  
Successor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

FRL 6 FEB 1942  
See Incl JE. 51475



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