

RECEIVED

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IN D.O.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 118268

Date of writing Report 11-5-1949. When handed in at Local Office 30 May 1949 Port of Ipswich
 No. in Survey held at Colchester Date, First Survey 17 Mar 1949 Last Survey 10-5-1949
 Reg. Book. on the Single Screw vessel MILFORD KNIGHT Number of Visits 20
 Built at Selby By whom built Cochrane Yard No. 1357 When built
 Owners Port belonging to
 Oil Engines made at Colchester By whom made Dewey, Payman & Co. Ltd. Contract No. 283119 When made 1949
 Generators made at By whom made Contract No. When made
 No. of Sets 6 Engine Brake Horse Power 3 M.N. as per Rule Total Capacity of Generators Kilowatts.
 Is Set intended for essential services.

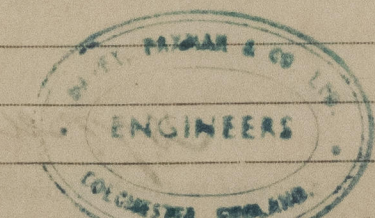
OIL ENGINES, &c.—Type of Engines Heavy Oil (I.V.T.H. Lp.) 2 or 4 stroke cycle 4 Single or double acting S
 Maximum pressure in cylinders 850 lb. sq. in. Diameter of cylinders 4" Length of stroke 4" No. of cylinders 6 No. of cranks 6
 Mean indicated pressure 98.5 lb. sq. in. Firing order in cylinders Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 4 7/8
 Is there a bearing between each crank Moment of inertia of flywheel (16 m² or Kg.-cm.²) 353 lb. ft.² Revolutions per minute 600
 Flywheel dia. 19 1/2" Weight 213 lb. Means of ignition Compression Kind of fuel used Diesel
 Crank Shaft, dia. of journals as per Rule 2 1/8" Crank pin dia. 2 1/2" Crank Webs Mid. length breadth 3 3/8" Thickness parallel to axis
 as fitted 2 1/8" Mid. length thickness 1 1/4" shrunk Thickness round eyehole
 Flywheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule General armature, moment of inertia (16 m² or Kg.-cm.²)
 as fitted Are means provided to prevent racing of the engine when declutched In Means of lubrication Forced Kind of damper if fitted
 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. 6 Is the sea suction provided with an efficient strainer which can be cleared within the vessel
 Lubricating Oil Pumps, No. and size 6 Standard.

AIR RECEIVERS:—Have they been made under Survey State No. of Report or Certificate
 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. Full Load Current Amperes. Direct or Alternating Current
 If 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 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
 If the generators are under 100 kw. full load rating, have the makers supplied certificates of test and do the results comply with the requirements
 If the generators are 100 kw. or over have they been built and tested under survey
 Details of driven machinery other than generator

PLANS.—Are approved plans forwarded herewith for Shafting Standard approved Receivers Separate Tanks
 Have Torsional Vibration characteristics if applicable been approved Armature shaft Drawing No.
 (state date of approval)

SPARE GEAR



The foregoing is a correct description,

[Signature] Manufacturer.
 CONTRACTS MANAGER



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 Foundation

5m. 148. -T. (MADE AND PRINTED IN ENGLAND)