

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 788.

25 SEP 1952

pressure ☒ of writing Report 22-8-1952 When handed in at Local Office 1-9-1952 Port of LEEDS.
 in Survey held at Wakefield. Date, First Survey 24-6-52. Last Survey 1-7-1952.
 pressure 20 kg/cm² on the Twin Triple Screw vessel. Number of Visits 3.
 at Slidrecht. By whom built N.V. Scheepshouwerf EN Machinefabriek Ship "DEKLOP".
 separate fuel tanks. ers. Rollo N.V. O/n. 8731.B. "Deklop".
 Engines made at Wakefield. By whom made Pelapone Engines Ltd. Engine Contract No. 13747 When made 1952.
 rators made at By whom made Contract No. When made
 of Sets. 1 Engine Brake Horse Power 33 M.N. as per Rule 7 Total Capacity of Generators Kilowatts.
 intended for essential services.

ENGINES, &c.—Type of Engines Type 53. 2 or 4 stroke cycle 4. Single or double acting Single.
 mum pressure in cylinders 850 lbs/sq. in Diameter of cylinders 4.7/16" Length of stroke 6" No. of cylinders 3 No. of cranks 3
 indicated pressure 85.5 lbs/sq. in Firing order in cylinders 1,3,2. Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 5 1/8" & 1 1/8"
 ere a bearing between each crank: No. Moment of inertia of flywheel (16 m² or Kg.-cm.²) Revolutions per minute 1100
 wheel dia. Weight Means of ignition Compression Kind of fuel used Heavy Oil
 k Shaft, dia. of journals as per Rule approved. Crank pin dia. 2 7/8" Crank Webs Mid. length breadth 4 3/8" Thickness parallel to axis
 as fitted 3 1/8" & 3 1/8" Mid. length thickness 1 1/8" shrunk Thickness round eyehole
 wheel Shaft, diameter as per Rule Intermediate Shafts, diameter as per Rule General armature, moment of inertia (16 m² or Kg.-cm.²)
 as fitted means provided to prevent racing of the engine when declutched Yes Means of lubrication forced Kind of damper if fitted
 the cylinders fitted with safety valves No Are the exhaust pipes and silencers water cooled or lagged with non-conducting material on vessel To be lagged
 ing Water Pumps, No. One Pelapone Plunger Is the sea suction provided with an efficient strainer which can be cleared within the vessel
 shaft. Indicating Oil Pumps, No. and size One Gear Type
 bolts. Compressors, No. No. of stages Diameters Stroke Driven by
 ions. Enging Air Pumps, No. Diameter Stroke Driven by
 rk. RECEIVERS:—Have they been made under Survey State No. of Report or Certificate
 marks. 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
 ere a drain arrangement fitted at the lowest part of each receiver
 Pressure Air Receivers, No. Cubic capacity of each Internal diameter thickness
 less, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules
 ing Air Receivers, No. Total cubic capacity Internal diameter thickness
 less, lap welded or riveted longitudinal joint Material Range of tensile strength Working pressure by Rules

CTRIC GENERATORS:—Type
 ure of supply volts. Full Load Current Amperes. Direct or Alternating Current
 ernating current system, state the periodicity Has the Automatic Governor been tested and found as per Rule when full load is suddenly thrown
 nd off. Generators, are they compounded as per Rule is an adjustable regulating resistance fitted in series with each shunt field
 d plans. all terminals accessible, clearly marked, and furnished with sockets. Are they so spaced
 und good. yielded that they cannot be accidentally earthed, short circuited, or touched. Are the lubricating arrangements of the generators as per Rule
 e generators are under 100 kw. full load rating, have the makers supplied certificates of test and do the results comply with the requirements
 e generators are 100 kw. or over have they been built and tested under survey
 ls of driven machinery other than generator
 y of this. NS.—Are approved plans forwarded herewith for Shafting 1-1-52. Receivers. Separate Tanks
 L.H.C. Torsional Vibration characteristics if applicable been approved No Armature shaft Drawing No.
 RE GEAR As per Rule Requirements.

The foregoing is a correct description,

PELAPONE ENGINES LTD
 Waterhouse
 WAKEFIELD.

Manufacturer.



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Lloyd's Register
 Foundation

012501-012507-0317

4^c 788.

Dates of Survey while building { During progress of work in shops - - 24-6-52. 25-6-52. 1-7-52.
During erection on board vessel - - -
Total No. of visits 3

Dates of Examination of principal parts - Cylinders 24-6-52. 25-6-52. Covers 24-6-52. 25-6-52. Pistons 24-6-52. Piston rods -
Connecting rods 24-6-52. Crank and Flywheel shafts 24-6-52. Intermediate shafts -
Crank shaft { Material Steel Tensile strength 35/45 tons/sq. in.
Elongation Not less than 22% Identification Marks L.R. J. 5633 C.D. 16-6-52.
Flywheel shaft, Material - Identification Marks -
Identification marks on Air Receivers Engine LLOYD'S
13747
1-7-52. T.P.G.

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, in accordance with the Approved Plans, Secretary's letters and the requirements of the Rules.
The materials and workmanship are good, and the engine was found satisfactory when tested in the Engine Builders Works under full load conditions against a brake dynamometer.
The governing was tested and found satisfactory.
This auxiliary oil engine is, in my opinion, suitable for the purpose intended.

2019-48-T. (MADE AND PROVIDED IN-STRUMENTS)
The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee ... £ 5 : 0 : 0 When applied for 23-8-19 52.
Travelling Expenses (if any) £ : 8 : 0 When received 19

Committee's Minute THURSDAY - 5 NOV 1953
Assigned See Rpt 4c.

Wm. J. Bibbicom
Surveyor to Lloyd's Register of Shipping.



Rpt. 13.
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Reg. Book.
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