

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 515

Date of writing Report 20.12.1955 When handed in at Local Office 20.12.55 19 Port of NANTES Received at London Office

No. in Survey held at SAINT NAZAIRE Date, First Survey 16.9.55 Last Survey 18.10.1955 Reg. Book.

33471 Supp on the Single Twin Triple Quadruple Screw vessel S.S. "/SOCARDIA" Number of Visits 3 Tons Gross 20708 Net 10417

Built at SAINT NAZAIRE By whom built CH. BAT. DE SAINT NAZAIRE (PENADET) Yard No. Q15 When built 1955

Owners SOCIETE MARITIME SHELL Port belonging to LE HAVRE

Oil Engines made at LINCOLN By whom made RUSTON & HORNSBY LTD. ENGINE Contract No. 185954 When made 1954

Generators made at BEDFORD By whom made W. H. ALLAN, SONS & CO LTD GEN. Contract No. E3/60700 When made 1954

No. of Sets 1 Engine Brake Horse Power 240 M.N. as per Rule 48 Total Capacity of Generators 150 Kilowatts.

Is Set intended for essential services. YES

OIL ENGINES, &c.—Type of Engines 2 or 4 stroke cycle Single or double acting

Maximum pressure in cylinders Diameter of cylinders Length of stroke No. of cylinders No. of cranks

Mean indicated pressure Firing order in cylinders Span of bearings, adjacent to the Crank, measured from inner edge to inner edge

Is there a bearing between each crank Moment of inertia of flywheel (16 m² or Kg.-cm.²) Revolutions per minute

Flywheel dia. Weight Means of ignition Kind of fuel used

Crank Shaft, dia. of journals as per Rule Crank pin dia. Crank Webs Mid. length breadth Thickness parallel to axis

as fitted Mid. length thickness 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 Means of lubrication 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. Is the sea suction provided with an efficient strainer which can be cleared within the vessel

Lubricating Oil Pumps, No. and size

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

Scavenging Air Pumps, No. Diameter Stroke Driven by

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 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,

Manufacturer.



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008472-008480-0119

Dates of Survey while building { During progress of work in shops - - 16.9.55, 4.10.55, 18.10.55
During erection on board vessel - - 3.
Total No. of visits

Dates of Examination of principal parts—Cylinders..... Covers..... Pistons..... Piston rods.....

Connecting rods..... Crank and Flywheel shafts..... Intermediate shafts.....

Crank shaft { Material..... Tensile strength.....
Elongation..... Identification Marks.....

Flywheel shaft, Material..... Identification Marks.....

Identification marks on Air Receivers.....

Is this machinery duplicate of a previous case. YES If so, state name of vessel. SIDORA.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The engine as described in Nottingham report N°1167 has been satisfactorily installed on board and examined under full working conditions with satisfactory results.
In my opinion this generator set is eligible to be classed as part of the machinery with the notation +LMC 10.55.

The amount of Fee ... £ : : When applied for..... 19
Travelling Expenses (if any) £ : : When received..... 19

Committee's Minute..... FRIDAY 20 JAN 1956
Assigned.....

Surveyor to Lloyd's Register of Shipping.
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