

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13939

4c.

Received at London Office

Date of writing Report 15th January 1954 When handed in at Local Office 23. 1 1954 Port of TRIESTE

Survey held at Genoa - Moutfalcone Date, First Survey Please See Rpt. Last Survey Ha 19

Book. 067 on the Single Triple Quadruple Screw vessel S.T. "MIRELLA d'Amico" Tons Gross 20417 Net 12504

at Moutfalcone By whom built Cantieri Riuniti dell'Adriatico Yard No. 1775 When built 1954

owners Società di Navigazione d'Amico Port belonging to Palermo

Engines made at Genoa By whom made S.A. Ausaldo Engine Contract No. 21316139 When made 1953

Generators made at Moutfalcone By whom made Cant. Riun. dell'Adriatico Genor. Contract No. 129242 When made 1953

of Sets 1 Engine Brake Horse Power 150 M.N. as per Rule Total Capacity of Generators 100 Kilowatts.

Set intended for essential services. Yes

L 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

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

Intermediate Shafts, diameter as per Rule General armature, moment of inertia (16 m² or Kg.-cm.²)

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

Boiling 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

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

Sucking Air Pumps, No. Diameter Stroke Driven by

R 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

Are 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

Material Range of tensile strength Working pressure by Rules

Low Pressure 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

Is the automatic Governor been tested and found as per Rule when full load is suddenly thrown

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

Are the lubricating arrangements of the generators as per Rule

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

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

Are there any shafts of driven machinery other than generator

Are approved plans forwarded herewith for Shafting Receivers Separate Tanks

Are torsional Vibration characteristics if applicable been approved Armature shaft Drawing No.

Are there any spare gears as per Rules

The foregoing is a correct description,

Sgd. Ausaldo S.A. Manufacturer.



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Dates of Survey while building { During progress of work in shops - - }
 { During erection on board vessel - - }
 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..... If so, state name of vessel.....

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This auxiliary engine generator set was constructed under the inspection of the Genoa Surveyors and has now efficiently installed aboard the vessel in accordance to the R requirements. - The workmanship and the materials are good. -
 On completion this set was tried under full working conditions and found in order. -
 In my opinion this set is eligible for full classification. -
 See also Genoa Rpt. 19390. -

DUAL CLASS
 L. R. & F. I.

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

Committee's Minute..... TUESDAY 16 MAR 1954

Assigned..... See Rpt. 421



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 (The Surveyors are requested not to write on or below the space for Committee Minute.)