

# REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 13939

4c.

Received at London Office  
 of writing Report 15th January 1954 When handed in at Local Office 23.1.1954 Port of TRIESTE  
 in Survey held at Genoa - Moutfalcone Date, First Survey Please See Rpt. Last Survey Ha 19  
 Book. Number of Visits  
 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 Generator 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  
 as indicated pressure Firing order in cylinders Span of bearings, adjacent to the Crank, measured from inner edge to inner edge  
 there a bearing between each crank Moment of inertia of flywheel (16 m<sup>2</sup> or Kg.-cm.<sup>2</sup>) 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 m<sup>2</sup> or Kg.-cm.<sup>2</sup>)  
 as fitted

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  
 Suction 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

**P 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  
 Unless, lap welded or riveted longitudinal joint  
 Sucking Air Receivers, No. Total cubic capacity Internal diameter thickness  
 Material Range of tensile strength Working pressure by Rules  
 Unless, lap welded or riveted longitudinal joint

**ELECTRIC GENERATORS:**—Type  
 Voltage 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  
 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  
 Are the generators shielded that they cannot be accidentally earthed, short circuited, or touched 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

**SHAFTS:**—Are approved plans forwarded herewith for Shafting Receivers Separate Tanks  
 (If not, state date of approval) Armature shaft Drawing No.  
 Are torsional Vibration characteristics if applicable been approved (state date of approval)  
**SHAFT GEAR** as per Rules

The foregoing is a correct description,

Sgd. Ausaldo S.A. Manufacturer.



011462-011973-0048



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 ... £

Travelling Expenses (if any) £

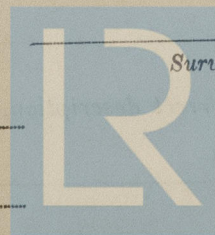
When applied for 19

When received 19

Committee's Minute.....

TUESDAY 16 MAR 1954

Assigned.....



Surveyor to Lloyd's Register of Shipping.

Lloyd's Register  
Foundation