

Rpt. 4c.

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 4004

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No. in Survey held at HAMBURG, v Augsburg Date, First Survey Number of Visits

Reg. Book. GENEKAM-GALVESTON. 89306 on the ^{Single} ~~Twin~~ ~~Triple~~ ~~Quadruple~~ Screw vessel "NUEVA ANDALUCIA"

Built at Hamburg By whom built Deutsche Werft A.G. Yard No. 232 When built 1940

Owners The Texas Co. (Norway) A.S. Port belonging to Oslo

Oil Engines made at Augsburg By whom made H. & K. Contract No. 522780 When made 1939

Generators made at - By whom made - Contract No. When made -

No. of Sets one Engine Brake Horse Power 93 each Nom. Horse Power as per Rule Total Capacity of Generators 1 Diesel 55 1 Steam 35 Kilowatts.

OIL ENGINES, &c. Type of Engines ^{MAN} Heavy Oil Cr. 3V-33. 2 or 4 stroke cycle 4 Single or double acting 8

Maximum pressure in cylinders 50 kg/cm² Diameter of cylinders 220 mm Length of stroke 330 mm No. of cylinders 3 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 256 mm Is there a bearing between each crank Yes

Revolutions per minute 400 Flywheel dia. - Weight - Means of ignition Compression Kind of fuel used Diesel oil

Crank Shaft, dia. of journals as per Rule as fitted 130 mm Crank pin dia. 130 mm Crank Webs Mid. length breadth 240 mm Thickness parallel to axis - Mid. length thickness 61 mm Thickness around eye-hole -

Flywheel Shaft, diameter as per Rule as fitted - Intermediate Shafts, diameter as per Rule as fitted - Thickness of cylinder liners -

Is a governor or other arrangement fitted to prevent racing of the engine when declutched Yes Means of lubrication Forced pressure lubrication

Are the cylinders fitted with safety valves Yes Are the exhaust pipes and silencers water cooled or lagged with non-conducting material water cooled & lagged.

Cooling Water Pumps, No. one (plunger type) the sea suction provided with an efficient strainer which can be cleared within the vessel Yes

Lubricating Oil Pumps, No. and size one gear wheel type

Air Compressors, No. Solid injected No. of stages - Diameters - Stroke - Driven by one aux. air compressor 2 stage driven by steam & diesel set.

Scavenging Air Pumps, No. - Diameter - Stroke - Driven by -

AIR RECEIVERS: Have they been made under Survey - Supplied from main air receivers 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. none 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. 2 for main eng 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 115 volts. Full Load Current 478 Amperes. Direct or Alternating Current D.C.

If alternating current system, state the periodicity - Has the Automatic Governor been tested and found efficient when the whole load is suddenly thrown on and off Yes

Generators, are they compounded as per rule - is an adjustable regulating resistance fitted in series with each

shunt field Yes. Are all terminals accessible, clearly marked, and furnished with sockets Yes

Are they so spaced or shielded that they cannot be accidentally earthed, short circuited, or touched Yes Are the lubricating arrangements of the generators as per Rule Yes.

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 -

PLANS. Are approved plans forwarded herewith for Shafting 21-1-39. Receivers - Separate Tanks -

SPARE GEAR In excess of Rule requirements.

Galveston, Nov. 1940. The diesel & steam auxiliary generators generally examined under working conditions and all found satisfactory
L. M. Rennie.

The foregoing is a correct description.

Manufacturer.



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