

REPORT ON OIL ENGINE ELECTRIC GENERATOR SETS.

No. 5046

Received at London Office

15 NOV 1948

Date of writing Report 4th Oct 48 When handed in at Local Office 4th Oct 48 Port of Galveston, Texas

No. in Reg. Book. 78057 Survey held at Galveston, Texas Date, First Survey 24th Sept. Last Survey 2nd Oct., 1948

Number of Visits 2
Tons Gross 10668
Net 6319
Screw vessel "TROCHISCUS" ex "FORT MATANZAS"

Built at Portland, Oregon By whom built Kaiser Co., Inc. Yard No. 79 When built 1944

Owners Anglo-Saxon Petroleum Co., Ltd. Port belonging to London

Oil Engines made at Chicago, Ill. By whom made Venn Severn Mach. Co. Contract No. V5773 When made 1944

Generators made at Mansfield, Ohio By whom made Ideal Electric Mfg. Co. Contract No. 124511 When made 1944

No. of Sets One Engine Brake Horse Power 190 Nom. Horse Power as per Rule - Total Capacity of Generators 75 Kilowatts.

OIL ENGINES, &c.—Type of Engines Auxiliary Diesel "V" cylinder 2 or 4 stroke cycle 4 Single or double acting Single

Maximum pressure in cylinders - Diameter of cylinders - Length of stroke - No. of cylinders 6 No. of cranks 3

Span of bearings, adjacent to the Crank, measured from inner edge to inner edge 8⁷/₁₆" Is there a bearing between each crank Yes

Revolutions per minute 900 Flywheel dia. - Weight - Means of ignition Compression Kind of fuel used Diesel

Crank Shaft, dia. of journals - as per Rule - as fitted - Crank pin dia. 5" Crank Webs - Mid. length breadth 7¹/₁₆" Thickness parallel to axis -

Flywheel Shaft, diameter - as per Rule 5¹/₂" 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 detached Yes Means of lubrication Forced Feed

Are the cylinders fitted with safety valves NO Are the exhaust pipes and silencers water cooled or lagged with non-conducting material Yes

Cooling Water Pumps, No. One Is the sea suction provided with an efficient strainer which can be cleared within the vessel Radiator Closed System

Lubricating Oil Pumps, No. and size One

Air Compressors, No. Two No. of stages Two Diameters 6¹/₂ - 3¹/₂ Stroke 4" Driven by Ele Motors

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

AIR RECEIVERS:—Have they been made under Survey ABS & USCG State No. of Report or Certificate -

Is each receiver, which can be isolated, fitted with a safety valve as per Rule Yes

Can the internal surfaces of the receivers be examined Yes What means are provided for cleaning their inner surfaces Manhole

Is there a drain arrangement fitted at the lowest part of each receiver Yes

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. One Total cubic capacity 30 CF Internal diameter 30" thickness -

Seamless, lap welded or riveted longitudinal joint Welded Material OH Steel Range of tensile strength 55000 Working pressure by Rules 100 ?

ELECTRIC GENERATORS:—Type - Pressure of supply 450 volts. Full Load Current 120 Amperes. Direct or Alternating Current A.C.

If alternating current system, state the periodicity 60/62 Has the Automatic Governor been tested and found as per rule when full 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 - 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 ABS and do the results comply with the requirements - If the generators are 100 kw. or over have they been built and tested under survey -

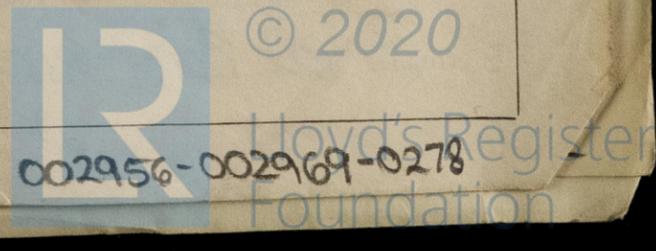
PLANS. Are approved plans forwarded herewith for Shafting - Receivers - Separate Tanks -

SPARE GEAR To Rule Requirements

Note The two air compressors with one air receiver detailed above are intended for Combustion Control and General Services.

The foregoing is a correct description,

Manufacturer.



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 and Flywheel shafts, Material - Identification Marks -
 Intermediate shafts, Material - Identification Marks -
 Identification marks on Air Receivers 1046594 3-5 CILLS FLA 55000

Is this machinery duplicate of a previous case Yes If so, state name of vessel T2 Tanker Type

General Remarks (State quality of workmanship, opinions as to class, &c. This Emergency Generating Unit was constructed under the supervision of Surveyors to the American Bureau of Shipping; the condition and standard of materials and workmanship are considered good and satisfactory.

The diesel engine coupled direct to the generator was examined, as far as possible, particulars obtained from records, tried out under various loads and governing controls also with automatic control to main switchboard with satisfactory results.

1M-846-Transfer. (Printed in U. S. A.) (The Surveyors are requested not to write on or below the space for Committee Minute.)

The amount of Fee £ 7- : { When applied for, 19 }
 Travelling Expenses (if any) £ 7- : { When received, 19 }

J. Bloomfield
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute NEW YORK OCT 27 1948
 Assigned See Pist Entry Report attached.

Rpt. 13.
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